

**Table of Contents**

**ECONOMIC MODELING WITH IMPLAN .....1**

    Input-Output Analysis ..... 1

        Descriptive Model ..... 2

        Predictive Model ..... 2

        Key Assumptions ..... 3

**SUMMARY ECONOMIC IMPACTS BY SOURCES OF IMPACT .....6**

    United States ..... 6

        NASA ..... 6

        Moon to Mars Campaign ..... 6

        Investments in Climate Change Research and Technology ..... 7

    Alabama ..... 8

        NASA ..... 8

        Moon to Mars Campaign ..... 8

        Investments in Climate Change Research and Technology ..... 9

    Alaska ..... 10

        NASA ..... 10

        Moon to Mars Campaign ..... 10

        Investments in Climate Change Research and Technology ..... 11

    Arizona ..... 12

        NASA ..... 12

        Moon to Mars Campaign ..... 12

        Investments in Climate Change Research and Technology ..... 13

    Arkansas ..... 14

        NASA ..... 14

        Moon to Mars Campaign ..... 14

        Investments in Climate Change Research and Technology ..... 15

    California ..... 16

        NASA ..... 16

        Moon to Mars Campaign ..... 16

        Investments in Climate Change Research and Technology ..... 17

    Colorado ..... 18

## Appendix

NASA .....	18
Moon to Mars Campaign .....	18
Investments in Climate Change Research and Technology .....	19
Connecticut .....	20
NASA .....	20
Moon to Mars Campaign .....	20
Investments in Climate Change Research and Technology .....	21
Delaware .....	22
NASA .....	22
Moon to Mars Campaign .....	22
Investments in Climate Change Research and Technology .....	23
Florida .....	24
NASA .....	24
Moon to Mars Campaign .....	24
Investments in Climate Change Research and Technology .....	25
Georgia .....	26
NASA .....	26
Moon to Mars Campaign .....	26
Investments in Climate Change Research and Technology .....	27
Hawaii .....	28
NASA .....	28
Moon to Mars Campaign .....	28
Investments in Climate Change Research and Technology .....	29
Idaho .....	30
NASA .....	30
Moon to Mars Campaign .....	30
Investments in Climate Change Research and Technology .....	31
Illinois .....	32
NASA .....	32
Moon to Mars Campaign .....	32
Investments in Climate Change Research and Technology .....	33
Indiana .....	34
NASA .....	34

## Appendix

Moon to Mars Campaign .....	34
Investments in Climate Change Research and Technology .....	35
Iowa.....	36
NASA .....	36
Moon to Mars Campaign .....	36
Investments in Climate Change Research and Technology .....	37
Kansas .....	38
NASA .....	38
Moon to Mars Campaign .....	38
Investments in Climate Change Research and Technology .....	39
Kentucky.....	40
NASA .....	40
Moon to Mars Campaign .....	40
Investments in Climate Change Research and Technology .....	41
Louisiana .....	42
NASA .....	42
Moon to Mars Campaign .....	42
Investments in Climate Change Research and Technology .....	43
Maine .....	44
NASA .....	44
Moon to Mars Campaign .....	44
Investments in Climate Change Research and Technology .....	45
Maryland.....	46
NASA .....	46
Moon to Mars Campaign .....	46
Investments in Climate Change Research and Technology .....	47
Massachusetts .....	48
NASA .....	48
Moon to Mars Campaign .....	48
Investments in Climate Change Research and Technology .....	49
Michigan.....	50
NASA .....	50
Moon to Mars Campaign .....	50

## Appendix

Investments in Climate Change Research and Technology .....	51
Minnesota .....	52
NASA .....	52
Moon to Mars Campaign .....	52
Investments in Climate Change Research and Technology .....	53
Mississippi .....	54
NASA .....	54
Moon to Mars Campaign .....	54
Investments in Climate Change Research and Technology .....	55
Missouri .....	56
NASA .....	56
Moon to Mars Campaign .....	56
Investments in Climate Change Research and Technology .....	57
Montana.....	58
NASA .....	58
Moon to Mars Campaign .....	58
Investments in Climate Change Research and Technology .....	59
Nebraska .....	60
NASA .....	60
Moon to Mars Campaign .....	60
Investments in Climate Change Research and Technology .....	61
Nevada .....	62
NASA .....	62
Moon to Mars Campaign .....	62
Investments in Climate Change Research and Technology .....	63
New Hampshire.....	64
NASA .....	64
Moon to Mars Campaign .....	64
Investments in Climate Change Research and Technology .....	65
New Jersey .....	66
NASA .....	66
Moon to Mars Campaign .....	66
Investments in Climate Change Research and Technology .....	67

## Appendix

New Mexico .....	68
NASA .....	68
Moon to Mars Campaign .....	68
Investments in Climate Change Research and Technology .....	69
New York.....	70
NASA .....	70
Moon to Mars Campaign .....	70
Investments in Climate Change Research and Technology .....	71
North Carolina.....	72
NASA .....	72
Moon to Mars Campaign .....	72
Investments in Climate Change Research and Technology .....	73
North Dakota.....	74
NASA .....	74
Moon to Mars Campaign .....	74
Investments in Climate Change Research and Technology .....	75
Ohio.....	76
NASA .....	76
Moon to Mars Campaign .....	76
Investments in Climate Change Research and Technology .....	77
Oklahoma.....	78
NASA .....	78
Moon to Mars Campaign .....	78
Investments in Climate Change Research and Technology .....	79
Oregon .....	80
NASA .....	80
Moon to Mars Campaign .....	80
Investments in Climate Change Research and Technology .....	81
Pennsylvania .....	82
NASA .....	82
Moon to Mars Campaign .....	82
Investments in Climate Change Research and Technology .....	83
Rhode Island.....	84

## Appendix

NASA .....	84
Moon to Mars Campaign .....	84
Investments in Climate Change Research and Technology .....	85
South Carolina.....	86
NASA .....	86
Moon to Mars Campaign .....	86
Investments in Climate Change Research and Technology .....	87
South Dakota.....	88
NASA .....	88
Moon to Mars Campaign .....	88
Investments in Climate Change Research and Technology .....	89
Tennessee .....	90
NASA .....	90
Moon to Mars Campaign .....	90
Investments in Climate Change Research and Technology .....	91
Texas .....	92
NASA .....	92
Moon to Mars Campaign .....	92
Investments in Climate Change Research and Technology .....	93
Utah.....	94
NASA .....	94
Moon to Mars Campaign .....	94
Investments in Climate Change Research and Technology .....	95
Vermont .....	96
NASA .....	96
Moon to Mars Campaign .....	96
Investments in Climate Change Research and Technology .....	97
Virginia .....	98
NASA .....	98
Moon to Mars Campaign .....	98
Investments in Climate Change Research and Technology .....	99
Washington.....	100
NASA .....	100

## Appendix

Moon to Mars Campaign .....	100
Investments in Climate Change Research and Technology .....	101
Washington, D.C. ....	102
NASA .....	102
Moon to Mars Campaign .....	102
Investments in Climate Change Research and Technology .....	103
West Virginia .....	104
NASA .....	104
Moon to Mars Campaign .....	104
Investments in Climate Change Research and Technology .....	105
Wisconsin .....	106
NASA .....	106
Moon to Mars Campaign .....	106
Investments in Climate Change Research and Technology .....	107
Wyoming .....	108
NASA .....	108
Moon to Mars Campaign .....	108
Investments in Climate Change Research and Technology .....	109
<b>LABOR INCOME AND VALUE-ADDED IMPACTS BY SOURCES OF IMPACT .....</b>	<b>110</b>
United States .....	110
NASA .....	110
Moon to Mars Campaign .....	111
Investments in Climate Change Research and Technology .....	111
Alabama .....	113
NASA .....	113
Moon to Mars Campaign .....	113
Investments in Climate Change Research and Technology .....	114
Alaska .....	115
NASA .....	115
Moon to Mars Campaign .....	115
Investments in Climate Change Research and Technology .....	116
Arizona .....	117
NASA .....	117

## Appendix

Moon to Mars Campaign .....	117
Investments in Climate Change Research and Technology .....	118
Arkansas.....	119
NASA .....	119
Moon to Mars Campaign .....	119
Investments in Climate Change Research and Technology .....	120
California.....	121
NASA .....	121
Moon to Mars Campaign .....	121
Investments in Climate Change Research and Technology .....	122
Colorado.....	123
NASA .....	123
Moon to Mars Campaign .....	123
Investments in Climate Change Research and Technology .....	124
Connecticut.....	125
NASA .....	125
Moon to Mars Campaign .....	125
Investments in Climate Change Research and Technology .....	126
Delaware.....	127
NASA .....	127
Moon to Mars Campaign .....	127
Investments in Climate Change Research and Technology .....	128
Florida .....	129
NASA .....	129
Moon to Mars Campaign .....	129
Investments in Climate Change Research and Technology .....	130
Georgia.....	131
NASA .....	131
Moon to Mars Campaign .....	131
Investments in Climate Change Research and Technology .....	132
Hawaii .....	133
NASA .....	133
Moon to Mars Campaign .....	133



## Appendix

Investments in Climate Change Research and Technology .....	134
Idaho .....	135
NASA .....	135
Moon to Mars Campaign .....	135
Investments in Climate Change Research and Technology .....	136
Illinois .....	137
NASA .....	137
Moon to Mars Campaign .....	137
Investments in Climate Change Research and Technology .....	138
Indiana .....	139
NASA .....	139
Moon to Mars Campaign .....	139
Investments in Climate Change Research and Technology .....	140
Iowa.....	141
NASA .....	141
Moon to Mars Campaign .....	141
Investments in Climate Change Research and Technology .....	142
Kansas .....	143
NASA .....	143
Moon to Mars Campaign .....	143
Investments in Climate Change Research and Technology .....	144
Kentucky.....	145
NASA .....	145
Moon to Mars Campaign .....	145
Investments in Climate Change Research and Technology .....	146
Louisiana .....	147
NASA .....	147
Moon to Mars Campaign .....	147
Investments in Climate Change Research and Technology .....	148
Maine .....	149
NASA .....	149
Moon to Mars Campaign .....	149
Investments in Climate Change Research and Technology .....	150

## Appendix

Maryland.....	151
NASA .....	151
Moon to Mars Campaign .....	151
Investments in Climate Change Research and Technology .....	152
Massachusetts .....	153
NASA .....	153
Moon to Mars Campaign .....	153
Investments in Climate Change Research and Technology .....	154
Michigan.....	155
NASA .....	155
Moon to Mars Campaign .....	155
Investments in Climate Change Research and Technology .....	156
Minnesota.....	157
NASA .....	157
Moon to Mars Campaign .....	157
Investments in Climate Change Research and Technology .....	158
Mississippi.....	159
NASA .....	159
Moon to Mars Campaign .....	159
Investments in Climate Change Research and Technology .....	160
Missouri .....	161
NASA .....	161
Moon to Mars Campaign .....	161
Investments in Climate Change Research and Technology .....	162
Montana.....	163
NASA .....	163
Moon to Mars Campaign .....	163
Investments in Climate Change Research and Technology .....	164
Nebraska .....	165
NASA .....	165
Moon to Mars Campaign .....	165
Investments in Climate Change Research and Technology .....	166
Nevada .....	167

## Appendix

NASA .....	167
Moon to Mars Campaign .....	167
Investments in Climate Change Research and Technology .....	168
New Hampshire.....	169
NASA .....	169
Moon to Mars Campaign .....	169
Investments in Climate Change Research and Technology .....	170
New Jersey .....	171
NASA .....	171
Moon to Mars Campaign .....	171
Investments in Climate Change Research and Technology .....	172
New Mexico .....	173
NASA .....	173
Moon to Mars Campaign .....	173
Investments in Climate Change Research and Technology .....	174
New York.....	175
NASA .....	175
Moon to Mars Campaign .....	175
Investments in Climate Change Research and Technology .....	176
North Carolina.....	177
NASA .....	177
Moon to Mars Campaign .....	177
Investments in Climate Change Research and Technology .....	178
North Dakota.....	179
NASA .....	179
Moon to Mars Campaign .....	179
Investments in Climate Change Research and Technology .....	180
Ohio.....	181
NASA .....	181
Moon to Mars Campaign .....	181
Investments in Climate Change Research and Technology .....	182
Oklahoma.....	183
NASA .....	183

## Appendix

Moon to Mars Campaign .....	183
Investments in Climate Change Research and Technology .....	184
Oregon .....	185
NASA .....	185
Moon to Mars Campaign .....	185
Investments in Climate Change Research and Technology .....	186
Pennsylvania .....	187
NASA .....	187
Moon to Mars Campaign .....	187
Investments in Climate Change Research and Technology .....	188
Rhode Island.....	189
NASA .....	189
Moon to Mars Campaign .....	189
Investments in Climate Change Research and Technology .....	190
South Carolina.....	191
NASA .....	191
Moon to Mars Campaign .....	191
Investments in Climate Change Research and Technology .....	192
South Dakota.....	193
NASA .....	193
Moon to Mars Campaign .....	193
Investments in Climate Change Research and Technology .....	194
Tennessee .....	195
NASA .....	195
Moon to Mars Campaign .....	195
Investments in Climate Change Research and Technology .....	196
Texas .....	197
NASA .....	197
Moon to Mars Campaign .....	197
Investments in Climate Change Research and Technology .....	198
Utah.....	199
NASA .....	199
Moon to Mars Campaign .....	199

## Appendix

Investments in Climate Change Research and Technology .....	200
Vermont .....	201
NASA .....	201
Moon to Mars Campaign .....	201
Investments in Climate Change Research and Technology .....	202
Virginia .....	203
NASA .....	203
Moon to Mars Campaign .....	203
Investments in Climate Change Research and Technology .....	204
Washington .....	205
NASA .....	205
Moon to Mars Campaign .....	205
Investments in Climate Change Research and Technology .....	206
Washington, D.C. ....	207
NASA .....	207
Moon to Mars Campaign .....	207
Investments in Climate Change Research and Technology .....	208
West Virginia .....	209
NASA .....	209
Moon to Mars Campaign .....	209
Investments in Climate Change Research and Technology .....	210
Wisconsin .....	211
NASA .....	211
Moon to Mars Campaign .....	211
Investments in Climate Change Research and Technology .....	212
Wyoming .....	213
NASA .....	213
Moon to Mars Campaign .....	213
Investments in Climate Change Research and Technology .....	214
<b>DETAILED IMPACTS .....</b>	<b>215</b>
United States .....	215
NASA .....	215
Moon to Mars Campaign .....	234

## Appendix

Investments in Climate Change Research and Technology .....	254
Alabama .....	274
NASA .....	274
Moon to Mars Campaign .....	293
Investments in Climate Change Research and Technology .....	313
Alaska .....	334
NASA .....	334
Moon to Mars Campaign .....	353
Investments in Climate Change Research and Technology .....	373
Arizona .....	394
NASA .....	394
Moon to Mars Campaign .....	413
Investments in Climate Change Research and Technology .....	433
Arkansas .....	454
NASA .....	454
Moon to Mars Campaign .....	473
Investments in Climate Change Research and Technology .....	493
California .....	514
NASA .....	514
Moon to Mars Campaign .....	533
Investments in Climate Change Research and Technology .....	553
Colorado .....	574
NASA .....	574
Moon to Mars Campaign .....	593
Investments in Climate Change Research and Technology .....	613
Connecticut .....	634
NASA .....	634
Moon to Mars Campaign .....	653
Investments in Climate Change Research and Technology .....	673
Delaware .....	694
NASA .....	694
Moon to Mars Campaign .....	713
Investments in Climate Change Research and Technology .....	733

## Appendix

Florida .....	754
NASA .....	754
Moon to Mars Campaign .....	773
Investments in Climate Change Research and Technology .....	793
Georgia.....	814
NASA .....	814
Moon to Mars Campaign .....	833
Investments in Climate Change Research and Technology .....	853
Hawaii .....	874
NASA .....	874
Moon to Mars Campaign .....	893
Investments in Climate Change Research and Technology .....	913
Idaho .....	934
NASA .....	934
Moon to Mars Campaign .....	953
Investments in Climate Change Research and Technology .....	973
Illinois .....	994
NASA .....	994
Moon to Mars Campaign .....	1013
Investments in Climate Change Research and Technology .....	1033
Indiana .....	1054
NASA .....	1054
Moon to Mars Campaign .....	1073
Investments in Climate Change Research and Technology .....	1093
Iowa.....	1114
NASA .....	1114
Moon to Mars Campaign .....	1133
Investments in Climate Change Research and Technology .....	1153
Kansas .....	1174
NASA .....	1174
Moon to Mars Campaign .....	1193
Investments in Climate Change Research and Technology .....	1213
Kentucky.....	1234

## Appendix

NASA .....	1234
Moon to Mars Campaign .....	1253
Investments in Climate Change Research and Technology .....	1273
Louisiana .....	1294
NASA .....	1294
Moon to Mars Campaign .....	1313
Investments in Climate Change Research and Technology .....	1333
Maine .....	1354
NASA .....	1354
Moon to Mars Campaign .....	1373
Investments in Climate Change Research and Technology .....	1393
Maryland.....	1414
NASA .....	1414
Moon to Mars Campaign .....	1433
Investments in Climate Change Research and Technology .....	1453
Massachusetts .....	1474
NASA .....	1474
Moon to Mars Campaign .....	1493
Investments in Climate Change Research and Technology .....	1513
Michigan.....	1534
NASA .....	1534
Moon to Mars Campaign .....	1553
Investments in Climate Change Research and Technology .....	1573
Minnesota.....	1594
NASA .....	1594
Moon to Mars Campaign .....	1613
Investments in Climate Change Research and Technology .....	1633
Mississippi.....	1654
NASA .....	1654
Moon to Mars Campaign .....	1673
Investments in Climate Change Research and Technology .....	1693
Missouri .....	1714
NASA .....	1714



## Appendix

Moon to Mars Campaign .....	1733
Investments in Climate Change Research and Technology .....	1753
Montana.....	1774
NASA .....	1774
Moon to Mars Campaign .....	1793
Investments in Climate Change Research and Technology .....	1813
Nebraska .....	1834
NASA .....	1834
Moon to Mars Campaign .....	1853
Investments in Climate Change Research and Technology .....	1873
Nevada .....	1894
NASA .....	1894
Moon to Mars Campaign .....	1913
Investments in Climate Change Research and Technology .....	1933
New Hampshire.....	1954
NASA .....	1954
Moon to Mars Campaign .....	1973
Investments in Climate Change Research and Technology .....	1993
New Jersey .....	2014
NASA .....	2014
Moon to Mars Campaign .....	2033
Investments in Climate Change Research and Technology .....	2053
New Mexico .....	2074
NASA .....	2074
Moon to Mars Campaign .....	2093
Investments in Climate Change Research and Technology .....	2113
New York.....	2134
NASA .....	2134
Moon to Mars Campaign .....	2153
Investments in Climate Change Research and Technology .....	2173
North Carolina.....	2194
NASA .....	2194
Moon to Mars Campaign .....	2213

## Appendix

Investments in Climate Change Research and Technology .....	2233
North Dakota.....	2254
NASA .....	2254
Moon to Mars Campaign .....	2273
Investments in Climate Change Research and Technology .....	2293
Ohio.....	2314
NASA .....	2314
Moon to Mars Campaign .....	2333
Investments in Climate Change Research and Technology .....	2353
Oklahoma.....	2374
NASA .....	2374
Moon to Mars Campaign .....	2393
Investments in Climate Change Research and Technology .....	2413
Oregon.....	2434
NASA .....	2434
Moon to Mars Campaign .....	2453
Investments in Climate Change Research and Technology .....	2473
Pennsylvania.....	2494
NASA .....	2494
Moon to Mars Campaign .....	2513
Investments in Climate Change Research and Technology .....	2533
Rhode Island.....	2554
NASA .....	2554
Moon to Mars Campaign .....	2573
Investments in Climate Change Research and Technology .....	2593
South Carolina.....	2614
NASA .....	2614
Moon to Mars Campaign .....	2633
Investments in Climate Change Research and Technology .....	2653
South Dakota.....	2674
NASA .....	2674
Moon to Mars Campaign .....	2693
Investments in Climate Change Research and Technology .....	2713

## Appendix

Tennessee .....	2734
NASA .....	2734
Moon to Mars Campaign .....	2753
Investments in Climate Change Research and Technology .....	2773
Texas .....	2794
NASA .....	2794
Moon to Mars Campaign .....	2813
Investments in Climate Change Research and Technology .....	2833
Utah.....	2854
NASA .....	2854
Moon to Mars Campaign .....	2872
Investments in Climate Change Research and Technology .....	2891
Vermont .....	2911
NASA .....	2911
Moon to Mars Campaign .....	2930
Investments in Climate Change Research and Technology .....	2950
Virginia .....	2971
NASA .....	2971
Moon to Mars Campaign .....	2990
Investments in Climate Change Research and Technology .....	3010
Washington.....	3031
NASA .....	3031
Moon to Mars Campaign .....	3050
Investments in Climate Change Research and Technology .....	3070
Washington, D.C. ....	3091
NASA .....	3091
Moon to Mars Campaign .....	3110
Investments in Climate Change Research and Technology .....	3130
West Virginia.....	3151
NASA .....	3151
Moon to Mars Campaign .....	3170
Investments in Climate Change Research and Technology .....	3190
Wisconsin.....	3211

Appendix

NASA .....	3211
Moon to Mars Campaign .....	3230
Investments in Climate Change Research and Technology .....	3250
Wyoming.....	3271
NASA .....	3271
Moon to Mars Campaign .....	3290
Investments in Climate Change Research and Technology .....	3310
<b>IMPLAN SECTOR SCHEME .....</b>	<b>3331</b>

**List of Tables**

Table 1: Summary of Employment Component of NASA Impacts by Types of Impact, the United States .. 6

Table 2: Summary of Procurement Component of NASA Impacts by Types of Impact, the United States.. 6

Table 3: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, the United States..... 6

Table 4: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, the United States..... 7

Table 5: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States..... 7

Table 6: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States..... 7

Table 7: Summary of Employment Component of NASA Impacts by Types of Impact, Alabama ..... 8

Table 8: Summary of Procurement Component of NASA Impacts by Types of Impact, Alabama..... 8

Table 9: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Alabama 8

Table 10: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Alabama ..... 9

Table 11: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama..... 9

Table 12: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama..... 9

Table 13: Summary of Employment Component of NASA Impacts by Types of Impact, Alaska ..... 10

Table 14: Summary of Procurement Component of NASA Impacts by Types of Impact, Alaska ..... 10

Table 15: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Alaska 10

Table 16: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Alaska ..... 11

Table 17: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska ..... 11

Table 18: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska ..... 11

Table 19: Summary of Employment Component of NASA Impacts by Types of Impact, Arizona ..... 12

Table 20: Summary of Procurement Component of NASA Impacts by Types of Impact, Arizona ..... 12

Table 21: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Arizona ..... 12

Table 22: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Arizona ..... 13

Table 23: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona..... 13

Table 24: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona..... 13

Table 25: Summary of Employment Component of NASA Impacts by Types of Impact, Arkansas ..... 14

Table 26: Summary of Procurement Component of NASA Impacts by Types of Impact, Arkansas ..... 14

Appendix

Table 27: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Arkansas ..... 14

Table 28: Table 10: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Arkansas..... 15

Table 29: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas ..... 15

Table 30: Table 12: Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas ..... 15

Table 31: Summary of Employment Component of NASA Impacts by Types of Impact, California ..... 16

Table 32: Summary of Procurement Component of NASA Impacts by Types of Impact, California ..... 16

Table 33: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, California ..... 16

Table 34: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, California ..... 17

Table 35: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, California ..... 17

Table 36: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, California ..... 17

Table 37: Summary of Employment Component of NASA Impacts by Types of Impact, Colorado..... 18

Table 38: Summary of Procurement Component of NASA Impacts by Types of Impact, Colorado ..... 18

Table 39: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Colorado..... 18

Table 40: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Colorado..... 19

Table 41: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado ..... 19

Table 42: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado ..... 19

Table 43: Summary of Employment Component of NASA Impacts by Types of Impact, Connecticut ..... 20

Table 44: Summary of Procurement Component of NASA Impacts by Types of Impact, Connecticut ..... 20

Table 45: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Connecticut..... 20

Table 46: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Connecticut..... 21

Table 47: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut ..... 21

Table 48: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut ..... 21

Table 49: Summary of Employment Component of NASA Impacts by Types of Impact, Delaware ..... 22

Table 50: Summary of Procurement Component of NASA Impacts by Types of Impact, Delaware ..... 22

Table 51: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Delaware ..... 22

Appendix

Table 52: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Delaware ..... 23

Table 53: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware ..... 23

Table 54: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware ..... 23

Table 55: Summary of Employment Component of NASA Impacts by Types of Impact, Florida ..... 24

Table 56: Summary of Procurement Component of NASA Impacts by Types of Impact, Florida..... 24

Table 57: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Florida ..... 24

Table 58: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Florida ..... 25

Table 59: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida..... 25

Table 60: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida..... 25

Table 61: Summary of Employment Component of NASA Impacts by Types of Impact, Georgia..... 26

Table 62: Summary of Procurement Component of NASA Impacts by Types of Impact, Georgia ..... 26

Table 63: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Georgia ..... 26

Table 64: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Georgia ..... 27

Table 65: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia ..... 27

Table 66: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia ..... 27

Table 67: Summary of Employment Component of NASA Impacts by Types of Impact, Hawaii ..... 28

Table 68: Summary of Procurement Component of NASA Impacts by Types of Impact, Hawaii..... 28

Table 69: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Hawaii ..... 28

Table 70: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Hawaii ..... 29

Table 71: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii..... 29

Table 72: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii ..... 29

Table 73: Summary of Employment Component of NASA Impacts by Types of Impact, Idaho ..... 30

Table 74: Summary of Procurement Component of NASA Impacts by Types of Impact, Idaho ..... 30

Table 75: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Idaho 30

Table 76: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Idaho 31

Table 77: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho..... 31

Appendix

Table 78: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho..... 31

Table 79: Summary of Employment Component of NASA Impacts by Types of Impact, Illinois ..... 32

Table 80: Summary of Procurement Component of NASA Impacts by Types of Impact, Illinois ..... 32

Table 81: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Illinois 32

Table 82: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Illinois ..... 33

Table 83: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois ..... 33

Table 84: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois ..... 33

Table 85: Summary of Employment Component of NASA Impacts by Types of Impact, Indiana ..... 34

Table 86: Summary of Procurement Component of NASA Impacts by Types of Impact, Indiana..... 34

Table 87: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Indiana ..... 34

Table 88: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Indiana ..... 35

Table 89: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana ..... 35

Table 90: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana ..... 35

Table 91: Summary of Employment Component of NASA Impacts by Types of Impact, Iowa..... 36

Table 92: Summary of Procurement Component of NASA Impacts by Types of Impact, Iowa..... 36

Table 93: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Iowa.. 36

Table 94: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Iowa . 37

Table 95: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa ..... 37

Table 96: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa ..... 37

Table 97: Summary of Employment Component of NASA Impacts by Types of Impact, Kansas ..... 38

Table 98: Summary of Procurement Component of NASA Impacts by Types of Impact, Kansas..... 38

Table 99: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Kansas ..... 38

Table 100: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Kansas ..... 39

Table 101: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas..... 39

Table 102: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas..... 39

Table 103: Summary of Employment Component of NASA Impacts by Types of Impact, Kentucky ..... 40

Table 104: Summary of Procurement Component of NASA Impacts by Types of Impact, Kentucky ..... 40



## Appendix

Table 105: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Kentucky.....	40
Table 106: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Kentucky.....	41
Table 107: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky.....	41
Table 108: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky.....	41
Table 109: Summary of Employment Component of NASA Impacts by Types of Impact, Louisiana.....	42
Table 110: Summary of Procurement Component of NASA Impacts by Types of Impact, Louisiana.....	42
Table 111: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Louisiana.....	42
Table 112: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Louisiana.....	43
Table 113: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana.....	43
Table 114: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana.....	43
Table 115: Summary of Employment Component of NASA Impacts by Types of Impact, Maine.....	44
Table 116: Summary of Procurement Component of NASA Impacts by Types of Impact, Maine.....	44
Table 117: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Maine.....	44
Table 118: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Maine.....	45
Table 119: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine.....	45
Table 120: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine.....	45
Table 121: Summary of Employment Component of NASA Impacts by Types of Impact, Maryland.....	46
Table 122: Summary of Procurement Component of NASA Impacts by Types of Impact, Maryland.....	46
Table 123: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Maryland.....	46
Table 124: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Maryland.....	47
Table 125: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland.....	47
Table 126: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland.....	47
Table 127: Summary of Employment Component of NASA Impacts by Types of Impact, Massachusetts.....	48
Table 128: Summary of Procurement Component of NASA Impacts by Types of Impact, Massachusetts.....	48
Table 129: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Massachusetts.....	48

## Appendix

Table 130: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Massachusetts .....	49
Table 131: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts .....	49
Table 132: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts .....	49
Table 133: Summary of Employment Component of NASA Impacts by Types of Impact, Michigan .....	50
Table 134: Summary of Procurement Component of NASA Impacts by Types of Impact, Michigan .....	50
Table 135: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Michigan.....	50
Table 136: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Michigan.....	51
Table 137: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan .....	51
Table 138: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan .....	51
Table 139: Summary of Employment Component of NASA Impacts by Types of Impact, Minnesota .....	52
Table 140: Summary of Procurement Component of NASA Impacts by Types of Impact, Minnesota .....	52
Table 141: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Minnesota .....	52
Table 142: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Minnesota .....	53
Table 143: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota .....	53
Table 144: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota .....	53
Table 145: Summary of Employment Component of NASA Impacts by Types of Impact, Mississippi.....	54
Table 146: Summary of Procurement Component of NASA Impacts by Types of Impact, Mississippi .....	54
Table 147: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Mississippi.....	54
Table 148: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Mississippi.....	55
Table 149: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi .....	55
Table 150: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi .....	55
Table 151: Summary of Employment Component of NASA Impacts by Types of Impact, Missouri .....	56
Table 152: Summary of Procurement Component of NASA Impacts by Types of Impact, Missouri.....	56
Table 153: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Missouri .....	56
Table 154: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Missouri .....	57

## Appendix

Table 155: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri.....	57
Table 156: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri.....	57
Table 157: Summary of Employment Component of NASA Impacts by Types of Impact, Montana.....	58
Table 158: Summary of Procurement Component of NASA Impacts by Types of Impact, Montana.....	58
Table 159: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Montana.....	58
Table 160: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Montana.....	59
Table 161: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana.....	59
Table 162: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana.....	59
Table 163: Summary of Employment Component of NASA Impacts by Types of Impact, Nebraska.....	60
Table 164: Summary of Procurement Component of NASA Impacts by Types of Impact, Nebraska.....	60
Table 165: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Nebraska.....	60
Table 166: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Nebraska.....	61
Table 167: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska.....	61
Table 168: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska.....	61
Table 169: Summary of Employment Component of NASA Impacts by Types of Impact, Nevada.....	62
Table 170: Summary of Procurement Component of NASA Impacts by Types of Impact, Nevada.....	62
Table 171: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Nevada.....	62
Table 172: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Nevada.....	63
Table 173: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada.....	63
Table 174: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada.....	63
Table 175: Summary of Employment Component of NASA Impacts by Types of Impact, New Hampshire.....	64
Table 176: Summary of Procurement Component of NASA Impacts by Types of Impact, New Hampshire.....	64
Table 177: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Hampshire.....	64
Table 178: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Hampshire.....	65

## Appendix

Table 179: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire .....	65
Table 180: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire .....	65
Table 181: Summary of Employment Component of NASA Impacts by Types of Impact, New Jersey .....	66
Table 182: Summary of Procurement Component of NASA Impacts by Types of Impact, New Jersey .....	66
Table 183: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Jersey .....	66
Table 184: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Jersey .....	67
Table 185: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey.....	67
Table 186: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey.....	67
Table 187: Summary of Employment Component of NASA Impacts by Types of Impact, New Mexico ....	68
Table 188: Summary of Procurement Component of NASA Impacts by Types of Impact, New Mexico....	68
Table 189: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Mexico.....	68
Table 190: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Mexico.....	69
Table 191: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico.....	69
Table 192: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico.....	69
Table 193: Summary of Employment Component of NASA Impacts by Types of Impact, New York.....	70
Table 194: Summary of Procurement Component of NASA Impacts by Types of Impact, New York .....	70
Table 195: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New York .....	70
Table 196: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New York .....	71
Table 197: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York .....	71
Table 198: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York .....	71
Table 199: Summary of Employment Component of NASA Impacts by Types of Impact, North Carolina.	72
Table 200: Summary of Procurement Component of NASA Impacts by Types of Impact, North Carolina	72
Table 201: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, North Carolina .....	72
Table 202: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, North Carolina .....	73
Table 203: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina .....	73

## Appendix

Table 204: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina .....	73
Table 205: Summary of Employment Component of NASA Impacts by Types of Impact, North Dakota ..	74
Table 206: Summary of Procurement Component of NASA Impacts by Types of Impact, North Dakota ..	74
Table 207: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, North Dakota .....	74
Table 208: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, North Dakota .....	75
Table 209: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota .....	75
Table 210: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota .....	75
Table 211: Summary of Employment Component of NASA Impacts by Types of Impact, Ohio.....	76
Table 212: Summary of Procurement Component of NASA Impacts by Types of Impact, Ohio .....	76
Table 213: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Ohio	76
Table 214: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Ohio	77
Table 215: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio .....	77
Table 216: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio .....	77
Table 217: Summary of Employment Component of NASA Impacts by Types of Impact, Oklahoma .....	78
Table 218: Summary of Procurement Component of NASA Impacts by Types of Impact, Oklahoma .....	78
Table 219: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Oklahoma .....	78
Table 220: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Oklahoma .....	79
Table 221: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma .....	79
Table 222: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma .....	79
Table 223: Summary of Employment Component of NASA Impacts by Types of Impact, Oregon .....	80
Table 224: Summary of Procurement Component of NASA Impacts by Types of Impact, Oregon.....	80
Table 225: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Oregon .....	80
Table 226: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Oregon .....	81
Table 227: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon.....	81
Table 228: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon.....	81
Table 229: Summary of Employment Component of NASA Impacts by Types of Impact, Pennsylvania ...	82
Table 230: Summary of Procurement Component of NASA Impacts by Types of Impact, Pennsylvania...	82

## Appendix

Table 231: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Pennsylvania .....	82
Table 232: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Pennsylvania .....	83
Table 233: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania.....	83
Table 234: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania.....	83
Table 235: Summary of Employment Component of NASA Impacts by Types of Impact, Rhode Island ...	84
Table 236: Summary of Procurement Component of NASA Impacts by Types of Impact, Rhode Island...	84
Table 237: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Rhode Island.....	84
Table 238: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Rhode Island.....	85
Table 239: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island.....	85
Table 240: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island.....	85
Table 241: Summary of Employment Component of NASA Impacts by Types of Impact, South Carolina.	86
Table 242: Summary of Procurement Component of NASA Impacts by Types of Impact, South Carolina	86
Table 243: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, South Carolina .....	86
Table 244: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, South Carolina .....	87
Table 245: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina .....	87
Table 246: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina .....	87
Table 247: Summary of Employment Component of NASA Impacts by Types of Impact, South Dakota ..	88
Table 248: Summary of Procurement Component of NASA Impacts by Types of Impact, South Dakota ..	88
Table 249: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, South Dakota.....	88
Table 250: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, South Dakota.....	89
Table 251: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota.....	89
Table 252: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota.....	89
Table 253: Summary of Employment Component of NASA Impacts by Types of Impact, Tennessee .....	90
Table 254: Summary of Procurement Component of NASA Impacts by Types of Impact, Tennessee.....	90
Table 255: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Tennessee .....	90

## Appendix

Table 256: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Tennessee .....	91
Table 257: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee.....	91
Table 258: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee.....	91
Table 259: Summary of Employment Component of NASA Impacts by Types of Impact, Texas .....	92
Table 260: Summary of Procurement Component of NASA Impacts by Types of Impact, Texas.....	92
Table 261: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Texas .....	92
Table 262: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Texas .....	93
Table 263: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas.....	93
Table 264: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas.....	93
Table 265: Summary of Employment Component of NASA Impacts by Types of Impact, Utah .....	94
Table 266: Summary of Procurement Component of NASA Impacts by Types of Impact, Utah.....	94
Table 267: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Utah	94
Table 268: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Utah	95
Table 269: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah .....	95
Table 270: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah .....	95
Table 271: Summary of Employment Component of NASA Impacts by Types of Impact, Vermont .....	96
Table 272: Summary of Procurement Component of NASA Impacts by Types of Impact, Vermont .....	96
Table 273: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Vermont .....	96
Table 274: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Vermont .....	97
Table 275: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont .....	97
Table 276: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont .....	97
Table 277: Summary of Employment Component of NASA Impacts by Types of Impact, Virginia .....	98
Table 278: Summary of Procurement Component of NASA Impacts by Types of Impact, Virginia .....	98
Table 279: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Virginia .....	98
Table 280: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Virginia .....	99
Table 281: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia.....	99

## Appendix

Table 282: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia.....	99
Table 283: Summary of Employment Component of NASA Impacts by Types of Impact, Washington ...	100
Table 284: Summary of Procurement Component of NASA Impacts by Types of Impact, Washington ..	100
Table 285: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Washington.....	100
Table 286: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Washington.....	101
Table 287: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington .....	101
Table 288: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington .....	101
Table 289: Summary of Employment Component of NASA Impacts by Types of Impact, Washington, D.C. ....	102
Table 290: Summary of Procurement Component of NASA Impacts by Types of Impact, Washington, D.C. ....	102
Table 291: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Washington, D.C. ....	102
Table 292: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Washington, D.C. ....	103
Table 293: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.....	103
Table 294: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.....	103
Table 295: Summary of Employment Component of NASA Impacts by Types of Impact, West Virginia .	104
Table 296: Summary of Procurement Component of NASA Impacts by Types of Impact, West Virginia	104
Table 297: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, West Virginia .....	104
Table 298: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, West Virginia .....	105
Table 299: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia .....	105
Table 300: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia .....	105
Table 301: Summary of Employment Component of NASA Impacts by Types of Impact, Wisconsin .....	106
Table 302: Summary of Procurement Component of NASA Impacts by Types of Impact, Wisconsin .....	106
Table 303: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Wisconsin .....	106
Table 304: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Wisconsin .....	107
Table 305: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin .....	107



## Appendix

Table 306: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin .....	107
Table 307: Summary of Employment Component of NASA Impacts by Types of Impact, Wyoming .....	108
Table 308: Summary of Procurement Component of NASA Impacts by Types of Impact, Wyoming .....	108
Table 309: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Wyoming .....	108
Table 310: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Wyoming .....	109
Table 311: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming .....	109
Table 312: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming .....	109
Table 313: NASA Labor Income Impacts by Sources of Impact, the United States .....	110
Table 314: NASA Value Added Impacts by Sources of Impact, the United States.....	110
Table 315: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, the United States ...	111
Table 316: Moon to Mars Campaign Value Added Impacts by Sources of Impact, the United States....	111
Table 317: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, the United States .....	111
Table 318: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, the United States .....	112
Table 319: NASA Labor Income Impacts by Sources of Impact, Alabama .....	113
Table 320: NASA Value Added Impacts by Sources of Impact, Alabama.....	113
Table 321: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Alabama .....	113
Table 322: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Alabama .....	114
Table 323: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Alabama .....	114
Table 324: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Alabama .....	114
Table 325: NASA Labor Income Impacts by Sources of Impact, Alaska .....	115
Table 326: NASA Value Added Impacts by Sources of Impact, Alaska .....	115
Table 327: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Alaska .....	115
Table 328: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Alaska .....	116
Table 329: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Alaska.....	116
Table 330: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Alaska.....	116
Table 331: NASA Labor Income Impacts by Sources of Impact, Arizona .....	117
Table 332: NASA Value Added Impacts by Sources of Impact, Arizona.....	117
Table 333: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Arizona .....	117
Table 334: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Arizona .....	118
Table 335: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Arizona .....	118

## Appendix

Table 336: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Arizona .....	118
Table 337: NASA Labor Income Impacts by Sources of Impact, Arkansas .....	119
Table 338: NASA Value Added Impacts by Sources of Impact, Arkansas .....	119
Table 339: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Arkansas.....	119
Table 340: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Arkansas .....	120
Table 341: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Arkansas.....	120
Table 342: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Arkansas.....	120
Table 343: NASA Labor Income Impacts by Sources of Impact, California .....	121
Table 344: NASA Value Added Impacts by Sources of Impact, California .....	121
Table 345: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, California.....	121
Table 346: Moon to Mars Campaign Value Added Impacts by Sources of Impact, California .....	122
Table 347: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, California.....	122
Table 348: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, California.....	122
Table 349: NASA Labor Income Impacts by Sources of Impact, Colorado.....	123
Table 350: NASA Value Added Impacts by Sources of Impact, Colorado .....	123
Table 351: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Colorado .....	123
Table 352: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Colorado .....	124
Table 353: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Colorado.....	124
Table 354: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Colorado.....	124
Table 355: NASA Labor Income Impacts by Sources of Impact, Connecticut.....	125
Table 356: NASA Value Added Impacts by Sources of Impact, Connecticut .....	125
Table 357: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Connecticut.....	125
Table 358: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Connecticut .....	126
Table 359: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Connecticut.....	126
Table 360: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Connecticut.....	126
Table 361: NASA Labor Income Impacts by Sources of Impact, Delaware .....	127
Table 362: NASA Value Added Impacts by Sources of Impact, Delaware .....	127
Table 363: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Delaware.....	127
Table 364: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Delaware .....	128
Table 365: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Delaware .....	128
Table 366: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Delaware .....	128

## Appendix

Table 367: NASA Labor Income Impacts by Sources of Impact, Florida .....	129
Table 368: NASA Value Added Impacts by Sources of Impact, Florida.....	129
Table 369: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Florida .....	129
Table 370: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Florida.....	130
Table 371: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Florida .....	130
Table 372: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Florida .....	130
Table 373: NASA Labor Income Impacts by Sources of Impact, Georgia.....	131
Table 374: NASA Value Added Impacts by Sources of Impact, Georgia .....	131
Table 375: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Georgia.....	131
Table 376: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Georgia .....	132
Table 377: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Georgia.....	132
Table 378: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Georgia.....	132
Table 379: NASA Labor Income Impacts by Sources of Impact, Hawaii .....	133
Table 380: NASA Value Added Impacts by Sources of Impact, Hawaii.....	133
Table 381: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Hawaii .....	133
Table 382: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Hawaii.....	134
Table 383: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Hawaii .....	134
Table 384: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Hawaii .....	134
Table 385: NASA Labor Income Impacts by Sources of Impact, Idaho .....	135
Table 386: NASA Value Added Impacts by Sources of Impact, Idaho.....	135
Table 387: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Idaho .....	135
Table 388: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Idaho .....	136
Table 389: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Idaho .....	136
Table 390: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Idaho .....	136
Table 391: NASA Labor Income Impacts by Sources of Impact, Illinois.....	137
Table 392: NASA Value Added Impacts by Sources of Impact, Illinois .....	137
Table 393: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Illinois.....	137
Table 394: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Illinois .....	138
Table 395: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Illinois.....	138
Table 396: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Illinois.....	138
Table 397: NASA Labor Income Impacts by Sources of Impact, Indiana .....	139
Table 398: NASA Value Added Impacts by Sources of Impact, Indiana.....	139

## Appendix

Table 399: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Indiana .....	139
Table 400: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Indiana.....	140
Table 401: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Indiana .....	140
Table 402: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Indiana .....	140
Table 403: NASA Labor Income Impacts by Sources of Impact, Iowa.....	141
Table 404: NASA Value Added Impacts by Sources of Impact, Iowa .....	141
Table 405: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Iowa .....	141
Table 406: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Iowa.....	142
Table 407: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Iowa .....	142
Table 408: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Iowa .....	142
Table 409: NASA Labor Income Impacts by Sources of Impact, Kansas .....	143
Table 410: NASA Value Added Impacts by Sources of Impact, Kansas.....	143
Table 411: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Kansas .....	143
Table 412: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Kansas.....	144
Table 413: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Kansas .....	144
Table 414: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Kansas .....	144
Table 415: NASA Labor Income Impacts by Sources of Impact, Kentucky .....	145
Table 416: NASA Value Added Impacts by Sources of Impact, Kentucky.....	145
Table 417: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Kentucky .....	145
Table 418: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Kentucky.....	146
Table 419: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Kentucky .....	146
Table 420: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Kentucky .....	146
Table 421: NASA Labor Income Impacts by Sources of Impact, Louisiana .....	147
Table 422: NASA Value Added Impacts by Sources of Impact, Louisiana.....	147
Table 423: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Louisiana .....	147
Table 424: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Louisiana.....	148
Table 425: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Louisiana .....	148
Table 426: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Louisiana .....	148
Table 427: NASA Labor Income Impacts by Sources of Impact, Maine .....	149
Table 428: NASA Value Added Impacts by Sources of Impact, Maine.....	149
Table 429: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Maine .....	149
Table 430: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Maine .....	150

## Appendix

Table 431: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Maine .....	150
Table 432: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Maine .....	150
Table 433: NASA Labor Income Impacts by Sources of Impact, Maryland .....	151
Table 434: NASA Value Added Impacts by Sources of Impact, Maryland .....	151
Table 435: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Maryland .....	151
Table 436: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Maryland .....	152
Table 437: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Maryland .....	152
Table 438: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Maryland .....	152
Table 439: NASA Labor Income Impacts by Sources of Impact, Massachusetts .....	153
Table 440: NASA Value Added Impacts by Sources of Impact, Massachusetts .....	153
Table 441: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Massachusetts .....	153
Table 442: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Massachusetts .....	154
Table 443: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Massachusetts .....	154
Table 444: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Massachusetts .....	154
Table 445: NASA Labor Income Impacts by Sources of Impact, Michigan .....	155
Table 446: NASA Value Added Impacts by Sources of Impact, Michigan .....	155
Table 447: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Michigan .....	155
Table 448: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Michigan .....	156
Table 449: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Michigan .....	156
Table 450: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Michigan .....	156
Table 451: NASA Labor Income Impacts by Sources of Impact, Minnesota .....	157
Table 452: NASA Value Added Impacts by Sources of Impact, Minnesota .....	157
Table 453: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Minnesota .....	157
Table 454: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Minnesota .....	158
Table 455: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Minnesota .....	158
Table 456: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Minnesota .....	158
Table 457: NASA Labor Income Impacts by Sources of Impact, Mississippi .....	159
Table 458: NASA Value Added Impacts by Sources of Impact, Mississippi .....	159
Table 459: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Mississippi .....	159
Table 460: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Mississippi .....	160
Table 461: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Mississippi .....	160

## Appendix

Table 462: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Mississippi.....	160
Table 463: NASA Labor Income Impacts by Sources of Impact, Missouri .....	161
Table 464: NASA Value Added Impacts by Sources of Impact, Missouri.....	161
Table 465: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Missouri .....	161
Table 466: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Missouri.....	162
Table 467: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Missouri .....	162
Table 468: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Missouri .....	162
Table 469: NASA Labor Income Impacts by Sources of Impact, Montana.....	163
Table 470: NASA Value Added Impacts by Sources of Impact, Montana .....	163
Table 471: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Montana .....	163
Table 472: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Montana.....	164
Table 473: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Montana .....	164
Table 474: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Montana .....	164
Table 475: NASA Labor Income Impacts by Sources of Impact, Nebraska .....	165
Table 476: NASA Value Added Impacts by Sources of Impact, Nebraska.....	165
Table 477: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Nebraska .....	165
Table 478: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Nebraska .....	166
Table 479: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Nebraska .....	166
Table 480: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Nebraska .....	166
Table 481: NASA Labor Income Impacts by Sources of Impact, Nevada .....	167
Table 482: NASA Value Added Impacts by Sources of Impact, Nevada.....	167
Table 483: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Nevada .....	167
Table 484: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Nevada .....	168
Table 485: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Nevada .....	168
Table 486: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Nevada .....	168
Table 487: NASA Labor Income Impacts by Sources of Impact, New Hampshire .....	169
Table 488: NASA Value Added Impacts by Sources of Impact, New Hampshire .....	169
Table 489: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Hampshire .....	169
Table 490: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Hampshire .....	170
Table 491: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Hampshire .....	170
Table 492: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Hampshire .....	170

## Appendix

Table 493: NASA Labor Income Impacts by Sources of Impact, New Jersey .....	171
Table 494: NASA Value Added Impacts by Sources of Impact, New Jersey.....	171
Table 495: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Jersey .....	171
Table 496: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Jersey .....	172
Table 497: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Jersey .....	172
Table 498: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Jersey .....	172
Table 499: NASA Labor Income Impacts by Sources of Impact, New Mexico .....	173
Table 500: NASA Value Added Impacts by Sources of Impact, New Mexico.....	173
Table 501: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Mexico .....	173
Table 502: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Mexico.....	174
Table 503: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Mexico .....	174
Table 504: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Mexico .....	174
Table 505: NASA Labor Income Impacts by Sources of Impact, New York.....	175
Table 506: NASA Value Added Impacts by Sources of Impact, New York .....	175
Table 507: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New York.....	175
Table 508: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New York .....	176
Table 509: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New York.....	176
Table 510: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New York.....	176
Table 511: NASA Labor Income Impacts by Sources of Impact, North Carolina.....	177
Table 512: NASA Value Added Impacts by Sources of Impact, North Carolina .....	177
Table 513: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, North Carolina .....	177
Table 514: Moon to Mars Campaign Value Added Impacts by Sources of Impact, North Carolina .....	178
Table 515: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, North Carolina.....	178
Table 516: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, North Carolina.....	178
Table 517: NASA Labor Income Impacts by Sources of Impact, North Dakota .....	179
Table 518: NASA Value Added Impacts by Sources of Impact, North Dakota .....	179
Table 519: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, North Dakota .....	179
Table 520: Moon to Mars Campaign Value Added Impacts by Sources of Impact, North Dakota .....	180
Table 521: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, North Dakota .....	180
Table 522: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, North Dakota .....	180
Table 523: NASA Labor Income Impacts by Sources of Impact, Ohio.....	181
Table 524: NASA Value Added Impacts by Sources of Impact, Ohio .....	181

## Appendix

Table 525: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Ohio .....	181
Table 526: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Ohio .....	182
Table 527: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Ohio.....	182
Table 528: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Ohio.....	182
Table 529: NASA Labor Income Impacts by Sources of Impact, Oklahoma .....	183
Table 530: NASA Value Added Impacts by Sources of Impact, Oklahoma .....	183
Table 531: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Oklahoma.....	183
Table 532: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Oklahoma .....	184
Table 533: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Oklahoma.....	184
Table 534: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Oklahoma.....	184
Table 535: NASA Labor Income Impacts by Sources of Impact, Oregon .....	185
Table 536: NASA Value Added Impacts by Sources of Impact, Oregon.....	185
Table 537: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Oregon .....	185
Table 538: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Oregon.....	186
Table 539: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Oregon .....	186
Table 540: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Oregon .....	186
Table 541: NASA Labor Income Impacts by Sources of Impact, Pennsylvania .....	187
Table 542: NASA Value Added Impacts by Sources of Impact, Pennsylvania.....	187
Table 543: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Pennsylvania .....	187
Table 544: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Pennsylvania.....	188
Table 545: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Pennsylvania .....	188
Table 546: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Pennsylvania .....	188
Table 547: NASA Labor Income Impacts by Sources of Impact, Rhode Island .....	189
Table 548: NASA Value Added Impacts by Sources of Impact, Rhode Island.....	189
Table 549: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Rhode Island .....	189
Table 550: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Rhode Island.....	190
Table 551: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Rhode Island .....	190
Table 552: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Rhode Island .....	190
Table 553: NASA Labor Income Impacts by Sources of Impact, South Carolina.....	191
Table 554: NASA Value Added Impacts by Sources of Impact, South Carolina .....	191
Table 555: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, South Carolina.....	191
Table 556: Moon to Mars Campaign Value Added Impacts by Sources of Impact South Carolina .....	192



## Appendix

Table 557: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, South Carolina.....	192
Table 558: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, South Carolina.....	192
Table 559: NASA Labor Income Impacts by Sources of Impact, South Dakota .....	193
Table 560: NASA Value Added Impacts by Sources of Impact, South Dakota .....	193
Table 561: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, South Dakota .....	193
Table 562: Moon to Mars Campaign Value Added Impacts by Sources of Impact, South Dakota .....	194
Table 563: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, South Dakota .....	194
Table 564: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, South Dakota .....	194
Table 565: NASA Labor Income Impacts by Sources of Impact, Tennessee .....	195
Table 566: NASA Value Added Impacts by Sources of Impact, Tennessee.....	195
Table 567: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Tennessee .....	195
Table 568: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Tennessee.....	196
Table 569: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Tennessee .....	196
Table 570: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Tennessee .....	196
Table 571: NASA Labor Income Impacts by Sources of Impact, Texas .....	197
Table 572: NASA Value Added Impacts by Sources of Impact, Texas.....	197
Table 573: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Texas .....	197
Table 574: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Texas.....	198
Table 575: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Texas .....	198
Table 576: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Texas .....	198
Table 577: NASA Labor Income Impacts by Sources of Impact, Utah .....	199
Table 578: NASA Value Added Impacts by Sources of Impact, Utah.....	199
Table 579: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Utah .....	199
Table 580: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Utah.....	200
Table 581: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Utah .....	200
Table 582: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Utah .....	200
Table 583: NASA Labor Income Impacts by Sources of Impact, Vermont .....	201
Table 584: NASA Value Added Impacts by Sources of Impact, Vermont.....	201
Table 585: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Vermont.....	201
Table 586: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Vermont .....	202
Table 587: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Vermont .....	202

## Appendix

Table 588: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Vermont .....	202
Table 589: NASA Labor Income Impacts by Sources of Impact, Virginia .....	203
Table 590: NASA Value Added Impacts by Sources of Impact, Virginia.....	203
Table 591: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Virginia .....	203
Table 592: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Virginia .....	204
Table 593: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Virginia .....	204
Table 594: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Virginia .....	204
Table 595: NASA Labor Income Impacts by Sources of Impact, Washington.....	205
Table 596: NASA Value Added Impacts by Sources of Impact, Washington .....	205
Table 597: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Washington.....	205
Table 598: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Washington .....	206
Table 599: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Washington.....	206
Table 600: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Washington.....	206
Table 601: NASA Labor Income Impacts by Sources of Impact, Washington, D.C. ....	207
Table 602: NASA Value Added Impacts by Sources of Impact, Washington, D.C.....	207
Table 603: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Washington, D.C. ...	207
Table 604: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Washington, D.C.....	208
Table 605: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Washington, D.C. ....	208
Table 606: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Washington, D.C. ....	208
Table 607: NASA Labor Income Impacts by Sources of Impact, West Virginia.....	209
Table 608: NASA Value Added Impacts by Sources of Impact, West Virginia .....	209
Table 609: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, West Virginia.....	209
Table 610: Moon to Mars Campaign Value Added Impacts by Sources of Impact, West Virginia .....	210
Table 611: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, West Virginia.....	210
Table 612: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, West Virginia.....	210
Table 613: NASA Labor Income Impacts by Sources of Impact, Wisconsin .....	211
Table 614: NASA Value Added Impacts by Sources of Impact, Wisconsin .....	211
Table 615: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Wisconsin.....	211
Table 616: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Wisconsin .....	212
Table 617: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Wisconsin.....	212
Table 618: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Wisconsin.....	212

## Appendix

Table 619: NASA Labor Income Impacts by Sources of Impact, Wyoming .....	213
Table 620: NASA Value Added Impacts by Sources of Impact, Wyoming .....	213
Table 621: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Wyoming.....	213
Table 622: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Wyoming .....	214
Table 623: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Wyoming.....	214
Table 624: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Wyoming.....	214
Table 625: Detailed NASA Impacts by Types of Impact, United States .....	215
Table 626: Detailed Moon to Mars Campaign Impacts by Types of Impact, United States .....	234
Table 627: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, United States .....	254
Table 628: Detailed NASA Impacts by Types of Impact, Alabama .....	274
Table 629: Detailed M2M Campaign Impacts by Types of Impact, Alabama .....	293
Table 630: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama .....	313
Table 631: Detailed NASA Impacts by Types of Impact, Alaska.....	334
Table 632: Detailed M2M Campaign Impacts by Types of Impact, Alaska .....	353
Table 633: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska.....	373
Table 634: Detailed NASA Impacts by Types of Impact, Arizona .....	394
Table 635: Detailed M2M Campaign Impacts by Types of Impact, Arizona .....	413
Table 636: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona .....	433
Table 637: Detailed NASA Impacts by Types of Impact, Arkansas.....	454
Table 638: Detailed M2M Campaign Impacts by Types of Impact, Arkansas.....	473
Table 639: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas.....	493
Table 640: Detailed NASA Impacts by Types of Impact, California.....	514
Table 641: Detailed M2M Campaign Impacts by Types of Impact, California.....	533
Table 642: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, California.....	553
Table 643: Detailed NASA Impacts by Types of Impact, Colorado .....	574
Table 644: Detailed M2M Campaign Impacts by Types of Impact, Colorado.....	593
Table 645: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado.....	613
Table 646: Detailed NASA Impacts by Types of Impact, Connecticut.....	634
Table 647: Detailed M2M Campaign Impacts by Types of Impact, Connecticut.....	653
Table 648: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut.....	673
Table 649: Detailed NASA Impacts by Types of Impact, Delaware.....	694
Table 650: Detailed M2M Campaign Impacts by Types of Impact, Delaware .....	713

## Appendix

Table 651: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware .....	733
Table 652: Detailed NASA Impacts by Types of Impact, Florida .....	754
Table 653: Detailed M2M Campaign Impacts by Types of Impact, Florida .....	773
Table 654: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida .....	793
Table 655: Detailed NASA Impacts by Types of Impact, Georgia .....	814
Table 656: Detailed M2M Campaign Impacts by Types of Impact, Georgia.....	833
Table 657: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia.....	853
Table 658: Detailed NASA Impacts by Types of Impact, Hawaii .....	874
Table 659: Detailed M2M Campaign Impacts by Types of Impact, Hawaii .....	893
Table 660: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii .....	913
Table 661: Detailed NASA Impacts by Types of Impact, Idaho .....	934
Table 662: Detailed M2M Campaign Impacts by Types of Impact, Idaho .....	953
Table 663: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho .....	973
Table 664: Detailed NASA Impacts by Types of Impact, Illinois.....	994
Table 665: Detailed M2M Campaign Impacts by Types of Impact, Illinois .....	1013
Table 666: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois.....	1033
Table 667: Detailed NASA Impacts by Types of Impact, Indiana .....	1054
Table 668: Detailed M2M Campaign Impacts by Types of Impact, Indiana .....	1073
Table 669: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana .....	1093
Table 670: Detailed NASA Impacts by Types of Impact, Iowa .....	1114
Table 671: Detailed M2M Campaign Impacts by Types of Impact, Iowa .....	1133
Table 672: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa .....	1153
Table 673: Detailed NASA Impacts by Types of Impact, Kansas .....	1174
Table 674: Detailed M2M Campaign Impacts by Types of Impact, Kansas .....	1193
Table 675: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas .....	1213
Table 676: Detailed NASA Impacts by Types of Impact, Kentucky .....	1234
Table 677: Detailed M2M Campaign Impacts by Types of Impact, Kentucky .....	1253
Table 678: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky .....	1273
Table 679: Detailed NASA Impacts by Types of Impact, Louisiana .....	1294
Table 680: Detailed M2M Campaign Impacts by Types of Impact, Louisiana .....	1313
Table 681: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana .....	1333

## Appendix

Table 682: Detailed NASA Impacts by Types of Impact, Maine .....	1354
Table 683: Detailed M2M Campaign Impacts by Types of Impact, Maine .....	1373
Table 684: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine .....	1393
Table 685: Detailed NASA Impacts by Types of Impact, Maryland.....	1414
Table 686: Detailed M2M Campaign Impacts by Types of Impact, Maryland.....	1433
Table 687: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland.....	1453
Table 688: Detailed NASA Impacts by Types of Impact, Massachusetts .....	1474
Table 689: Detailed M2M Campaign Impacts by Types of Impact, Massachusetts .....	1493
Table 690: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts .....	1513
Table 691: Detailed NASA Impacts by Types of Impact, Michigan .....	1534
Table 692: Detailed M2M Campaign Impacts by Types of Impact, Michigan .....	1553
Table 693: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan .....	1573
Table 694: Detailed NASA Impacts by Types of Impact, Minnesota.....	1594
Table 695: Detailed M2M Campaign Impacts by Types of Impact, Minnesota.....	1613
Table 696: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota.....	1633
Table 697: Detailed NASA Impacts by Types of Impact, Mississippi.....	1654
Table 698: Detailed M2M Campaign Impacts by Types of Impact, Mississippi.....	1673
Table 699: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi.....	1693
Table 700: Detailed NASA Impacts by Types of Impact, Missouri .....	1714
Table 701: Detailed M2M Campaign Impacts by Types of Impact, Missouri .....	1733
Table 702: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri .....	1753
Table 703: Detailed NASA Impacts by Types of Impact, Montana .....	1774
Table 704: Detailed M2M Campaign Impacts by Types of Impact, Montana .....	1793
Table 705: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana .....	1813
Table 706: Detailed NASA Impacts by Types of Impact, Nebraska .....	1834
Table 707: Detailed M2M Campaign Impacts by Types of Impact, Nebraska .....	1853
Table 708: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska .....	1873
Table 709: Detailed NASA Impacts by Types of Impact, Nevada.....	1894
Table 710: Detailed M2M Campaign Impacts by Types of Impact, Nevada.....	1913
Table 711: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada.....	1933
Table 712: Detailed NASA Impacts by Types of Impact, New Hampshire .....	1954
Table 713: Detailed M2M Campaign Impacts by Types of Impact, New Hampshire .....	1973

## Appendix

Table 714: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire .....	1993
Table 715: Detailed NASA Impacts by Types of Impact, New Jersey .....	2014
Table 716: Detailed M2M Campaign Impacts by Types of Impact, New Jersey .....	2033
Table 717: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey .....	2053
Table 718: Detailed NASA Impacts by Types of Impact, New Mexico .....	2074
Table 719: Detailed M2M Campaign Impacts by Types of Impact, New Mexico .....	2093
Table 720: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico .....	2113
Table 721: Detailed NASA Impacts by Types of Impact, New York.....	2134
Table 722: Detailed M2M Campaign Impacts by Types of Impact, New York.....	2153
Table 723: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New York.....	2173
Table 724: Detailed NASA Impacts by Types of Impact, North Carolina .....	2194
Table 725: Detailed M2M Campaign Impacts by Types of Impact, North Carolina.....	2213
Table 726: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina.....	2233
Table 727: Detailed NASA Impacts by Types of Impact, North Dakota .....	2254
Table 728: Detailed M2M Campaign Impacts by Types of Impact, North Dakota .....	2273
Table 729: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota .....	2293
Table 730: Detailed NASA Impacts by Types of Impact, Ohio .....	2314
Table 731: Detailed M2M Campaign Impacts by Types of Impact, Ohio.....	2333
Table 732: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio.....	2353
Table 733: Detailed NASA Impacts by Types of Impact, Oklahoma.....	2374
Table 734: Detailed M2M Campaign Impacts by Types of Impact, Oklahoma.....	2393
Table 735: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma.....	2413
Table 736: Detailed NASA Impacts by Types of Impact, Oregon .....	2434
Table 737: Detailed M2M Campaign Impacts by Types of Impact, Oregon .....	2453
Table 738: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon .....	2473
Table 739: Detailed NASA Impacts by Types of Impact, Pennsylvania .....	2494
Table 740: Detailed M2M Campaign Impacts by Types of Impact, Pennsylvania .....	2513
Table 741: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania .....	2533
Table 742: Detailed NASA Impacts by Types of Impact, Rhode Island .....	2554
Table 743: Detailed M2M Campaign Impacts by Types of Impact, Rhode Island .....	2573
Table 744: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island .....	2593

## Appendix

Table 745: Detailed NASA Impacts by Types of Impact, South Carolina .....	2614
Table 746: Detailed M2M Campaign Impacts by Types of Impact, South Carolina.....	2633
Table 747: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina.....	2653
Table 748: Detailed NASA Impacts by Types of Impact, South Dakota .....	2674
Table 749: Detailed M2M Campaign Impacts by Types of Impact, South Dakota .....	2693
Table 750: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota .....	2713
Table 751: Detailed NASA Impacts by Types of Impact, Tennessee .....	2734
Table 752: Detailed M2M Campaign Impacts by Types of Impact, Tennessee .....	2753
Table 753: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee .....	2773
Table 754: Detailed NASA Impacts by Types of Impact, Texas .....	2794
Table 755: Detailed M2M Campaign Impacts by Types of Impact, Texas .....	2813
Table 756: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas .....	2833
Table 757: Detailed NASA Impacts by Types of Impact, Utah .....	2854
Table 758: Detailed M2M Campaign Impacts by Types of Impact, Utah .....	2872
Table 759: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah .....	2891
Table 760: Detailed NASA Impacts by Types of Impact, Vermont.....	2911
Table 761: Detailed M2M Campaign Impacts by Types of Impact, Vermont.....	2930
Table 762: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont.....	2950
Table 763: Detailed NASA Impacts by Types of Impact, Virginia .....	2971
Table 764: Detailed M2M Campaign Impacts by Types of Impact, Virginia .....	2990
Table 765: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia .....	3010
Table 766: Detailed NASA Impacts by Types of Impact, Washington.....	3031
Table 767: Detailed M2M Campaign Impacts by Types of Impact, Washington.....	3050
Table 768: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington.....	3070
Table 769: Detailed NASA Impacts by Types of Impact, Washington, D.C. ....	3091
Table 770: Detailed M2M Campaign Impacts by Types of Impact, Washington, D.C. ....	3110
Table 771: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C. ....	3130
Table 772: Detailed NASA Impacts by Types of Impact, West Virginia.....	3151
Table 773: Detailed M2M Campaign Impacts by Types of Impact, West Virginia.....	3170
Table 774: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia.....	3190
Table 775: Detailed NASA Impacts by Types of Impact, Wisconsin.....	3211
Table 776: Detailed M2M Campaign Impacts by Types of Impact, Wisconsin.....	3230

## Appendix

Table 777: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin.....	3250
Table 778: Detailed NASA Impacts by Types of Impact, Wyoming.....	3271
Table 779: Detailed M2M Campaign Impacts by Types of Impact, Wyoming.....	3290
Table 780: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming.....	3310
Table 781: IMPLAN Industry Classes and North American Industry Classification System (NAICS) Sectors .....	3331



## **ECONOMIC MODELING WITH IMPLAN**

Economic impact analysis using IMPLAN depends on input-output models of the economy. Input-output models are powerful tools for estimating the economy-wide effects of an initial change in economic activity: they trace purchasing relationships among businesses, government, and consumers to provide a full accounting of the way spending flows through a regional economy. By accounting for linkages across industries and other economic sectors, studies that use these models are able to document the multiple ways in which a change in one industry impacts other industries and consumers.

To effectively use these models and interpret the results, readers as well as analysts should be aware of the basics of the model structure as well as the assumptions and limitations of these models. In this section, we briefly discuss the mechanics of the input-output models and the assumptions underlying them.

### **Input-Output Analysis**

Francois Quesnay first described inter-industry relationships in 1758. Wassily Leontief developed the concept of multipliers from input-output tables, receiving a Nobel Prize in 1973 for his work. Input-output analysis is a means of examining relationships within an economy, both between businesses and between businesses and final consumers. It captures all monetary market transactions for consumption in a given time period. The resulting mathematical formulae allow examination of the effects of a change in one or several economic activities on an entire economy (impact analysis).

A primary input-output study is based on data collected directly from industries. An example is the United States Bureau of Economic Analysis' Benchmark Study of Input-Output accounts (the data is based on economic censuses collected directly from firms). Other countries have conducted primary national level input-output studies as well. Primary state or local level input-output studies are not common due to the high cost of data collection.

Secondary input-output studies rely on data collected from other sources to construct the accounts. The inter-industry transaction information usually comes from some other primary study. IMPLAN is an example of a secondary input-output modeling system that relies on the data from the national Benchmark Input-Output accounts along with a variety of sources of regional information.

There are two phases in input/output analysis:

1. Descriptive modeling
2. Predictive modeling

## **Descriptive Model**

A Descriptive Model includes information about local economic interactions known as regional economic accounts. These tables describe a local economy in terms of the flow of dollars from purchasers to producers within the region.

Trade Flows are also part of the descriptive model. They describe the movement of goods and services within a region and the outside world (regional imports and exports). The initial IMPLAN data details all purchases, including imported goods and services. When regional economic accounts are created, imports to the region are isolated from the initial data, allowing examination of local inter-industry transactions and final purchases.

By adding Social Accounting data, an analyst can examine non-industrial transactions, such as payment of taxes by businesses and households. Social accounting data include tax collection by governments and payments to households and businesses. Input-output accounting describes the flow of commodities from producers to intermediate and final consumers. Social Accounting Matrices (SAMs) show the flow of money among institutions. Both are part of the descriptive model.

## **Predictive Model**

The regional economic accounts are used to construct local multipliers. Multipliers describe the response of the economy to a stimulus (a change in demand or production). The multipliers represent the Predictive Model. Purchases for final use (final demand) drive an input-output model.

Industries producing goods and services for consumption purchase goods and services from other producers. These other producers, in turn, purchase goods and services. These indirect purchases (indirect effects) continue until compounding leakages from the regional purchasing cycle (imports, wages, profits, etc.) halt the cycle or shrink it to negligible size. The indirect effects and the effects of increased household spending (induced effects) can be mathematically derived as sets of multipliers. The derivation is called the Leontief inverse. The resulting sets of multipliers describe the change of output for each industry caused by a one dollar change in final demand for any given industry.

### ***Multipliers***

Final consumption (or final demand) drives input-output models. Industries respond to meet demands directly or indirectly (by supplying goods and services to industries responding directly). Each industry that produces goods and services generates demands for other goods and services and so on, round by round. Multipliers describe these iterations.

Based on a production function of the industry, which shows where an industry spends and in what proportions to generate each dollar of output, IMPLAN develops the A Matrix. Through

algebraic manipulation of the A Matrix, it then derives the multipliers. The resulting equation is the predictive model:

$$X = (I - A)^{-1} * Y$$

Where;

X = Total industry output

I = Identity matrix

A = A Matrix

Y = Final Demand.

This can also be interpreted as:

$$\Delta X = (I - A)^{-1} * \Delta Y$$

or,

Change in Total Industry Output = (I - A)<sup>-1</sup> multiplied by Change in Final Demand.

The predictive model shows how output will change with a given change in final demand. The (I - A) inverse is the matrix of multipliers also known as the *Leontief inverse*.

Multipliers break the effects of stimuli on economic activity down into three components.

1. **Direct effects** are the changes in the industries to which a final demand change was made.
2. **Indirect effects** are the changes in inter-industry purchases as they respond to the new demands of the directly affected industries.
3. **Induced effects** typically reflect changes in spending from households as income increases or decreases due to the changes in production.

The Type I multiplier measures the direct and indirect effects of a change in economic activity. It captures the inter-industry effects only, i.e., industries buying from local industries.

The Type II multiplier captures direct, indirect, and induced effects. In addition to the inter-industry effects, Type II also takes into account the income and expenditures of households.

The household income and the household expenditures are treated as industries. This internalizes the household sector, including the induced or household spending, effects. This report employs Type II multipliers.

## Key Assumptions

The accounting conventions that form the basis of an Input-Output (I-O) model and the way IMPLAN makes estimations impose assumptions that readers ought to be aware of when interpreting the results. Since many of these assumptions can lead to an overstatement of the

## Appendix

impacts of a project or program, many users of Impact models consider the estimates as upper bounds (Bess & Ambargis, 2011).

Input-output modeling is based on several assumptions:

- Constant Returns to Scale
- No Supply Constraints
- Fixed Commodity Input Structure
- Homogenous Sector Output
- Industry Technology Assumption

The first assumption is that the production functions (an industry's list of expenditures) are assumed to embody constant returns to scale. This means the production functions are linear; if additional output is required, all inputs increase proportionately. Under this assumption, if \$1 of new business in the impact area triggers \$2 in total economic activity, then \$1,000 will trigger \$2,000, \$1 million will trigger \$2 million, and \$1 billion will trigger \$2 billion. In reality, this might not be the case. A plant operating at full capacity might not be able to increase its capacity without undertaking aggressive capital investment, hiring new workers in a tight labor market, or acquiring expensive new property – realities that will impact the ratio of total economic activity to the direct impact. These common business practices are examples of the “non-linear” reality of business.

Second, no supply constraints means supplies are unlimited. An industry has unlimited access to raw materials and its output is limited only by the demand for its products. In the world of business, rising demand creates scarcity. Just as the housing boom of the mid-2000s drove up prices for construction materials and China's rising industrial output has created scarcities in concrete and energy supply, diverting hundreds of millions in federal contracts to a region might create short-term shortages in labor, materials, services and raw inputs.

Third, a fixed commodity input structure implies that price changes do not cause a firm to buy substitute goods. This structure assumes that changes in the economy will affect the industry's output but not the mix of commodities and services it requires to make its products. Input-output analysis will not be as accurate in cases in which a long-term spike in costs or a shortage in supply induces businesses to locate new suppliers or make their products differently (by substituting advanced machinery for labor, for example). Consequently, our analysis can only establish how spending would flow through the economy at a fixed point in time, not how the structure of the economy would change as a result of that spending.

Fourth, there is homogeneous sector output. That is, the proportions of all the commodities produced by that industry remain the same, regardless of total output. An industry will not increase the output of one product without proportionately increasing the output of all its other products.

## Appendix

Finally, the industry technology assumption comes into play when data are collected on an industry-by-commodity basis and then converted to industry-by-industry matrices. The assumption is that an industry uses the same technology to produce all its products. In other words, an industry has a primary or main product, and all other products are byproducts of the primary product.

## SUMMARY ECONOMIC IMPACTS BY SOURCES OF IMPACT

This section presents summary impact results by the source of impact (employment and procurement). The examination of summary impacts by NASA employment and procurement components highlights the relative contributions of NASA's employment and procurement activities to the overall NASA impacts. In addition, it allows the reader to assess economic multipliers associated with NASA employment and NASA procurement separately. The analogous tables for the M2M Program are provided following the NASA section.

### The United States

#### NASA

**Table 1: Summary of Employment Component of NASA Impacts by Types of Impact, the United States**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17,821	3,515,929	4,575,175	8,372,461	888,381
Indirect	0	0	0	0	0
Induced	24,500	1,601,291	2,915,525	5,167,727	699,855
<b>Total</b>	<b>42,321</b>	<b>5,117,221</b>	<b>7,490,699</b>	<b>13,540,188</b>	<b>1,588,236</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.5</i>	<i>1.6</i>	<i>1.6</i>	<i>n.a.</i>

*Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number. Values may not sum exactly due to rounding to the nearest whole number.*

**Table 2: Summary of Procurement Component of NASA Impacts by Types of Impact, the United States**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	86,806	9,870,418	13,322,014	23,131,881	2,939,980
Indirect	68,086	5,581,839	8,758,249	16,277,996	1,967,398
Induced	107,590	7,029,387	12,793,572	22,672,998	3,055,772
<b>Total</b>	<b>262,482</b>	<b>22,481,644</b>	<b>34,873,835</b>	<b>62,082,876</b>	<b>7,963,150</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.3</i>	<i>2.6</i>	<i>2.7</i>	<i>n.a.</i>

*Note: Values may not sum exactly due to rounding to the nearest whole number.*

### Moon to Mars Campaign

**Table 3: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, the United States**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,749	712,139	962,385	1,761,141	179,938
Indirect	0	0	0	0	0
Induced	4,962	324,336	590,529	1,046,704	141,753

## Appendix

<b>Total</b>	<b>8,711</b>	<b>1,036,474</b>	<b>1,552,913</b>	<b>2,807,845</b>	<b>321,691</b>
<i>Multiplier</i>	2.3	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 4: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, the United States**

<b>Impact Type</b>	<b>Employment</b>	<b>Labor Income (\$ thousands)</b>	<b>Value Added (\$ thousands)</b>	<b>Output (\$ thousands)</b>	<b>Tax (\$ thousands)</b>
Direct	27,815	3,238,861	4,319,832	7,708,530	942,158
Indirect	23,709	1,966,336	3,050,119	5,645,954	671,767
Induced	36,244	2,368,033	4,309,918	7,638,162	1,029,434
<b>Total</b>	<b>87,768</b>	<b>7,573,230</b>	<b>11,679,869</b>	<b>20,992,646</b>	<b>2,643,359</b>
<i>Multiplier</i>	3.2	2.3	2.7	2.7	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 5: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States**

<b>Impact Type</b>	<b>Employment</b>	<b>Labor Income (\$ thousands)</b>	<b>Value Added (\$ thousands)</b>	<b>Output (\$ thousands)</b>	<b>Tax (\$ thousands)</b>
Direct	2,009	382,218	515,831	943,959	96,576
Indirect	0	0	0	0	0
Induced	2,664	174,077	316,948	561,785	76,081
<b>Total</b>	<b>4,673</b>	<b>556,295</b>	<b>832,779</b>	<b>1,505,745</b>	<b>172,658</b>
<i>Multiplier</i>	2.3	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 6: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States**

<b>Impact Type</b>	<b>Employment</b>	<b>Labor Income (\$ thousands)</b>	<b>Value Added (\$ thousands)</b>	<b>Output (\$ thousands)</b>	<b>Tax (\$ thousands)</b>
Direct	9,884	1,079,797	1,420,112	2,399,464	315,794
Indirect	6,891	564,862	879,521	1,631,348	195,199
Induced	11,452	748,223	1,361,806	2,413,437	325,270
<b>Total</b>	<b>28,227</b>	<b>2,392,882</b>	<b>3,661,438</b>	<b>6,444,249</b>	<b>836,263</b>
<i>Multiplier</i>	2.9	2.2	2.6	2.7	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Alabama

## NASA

Table 7: Summary of Employment Component of NASA Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,224	422,863	570,849	1,044,639	10,200
Indirect	0	0	0	0	0
Induced	2,698	148,451	278,262	517,961	33,572
<b>Total</b>	<b>4,922</b>	<b>571,314</b>	<b>849,111</b>	<b>1,562,600</b>	<b>43,771</b>
<i>Multiplier</i>	2.2	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 8: Summary of Procurement Component of NASA Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	11,120	1,060,255	1,437,579	2,772,156	46,995
Indirect	8,903	544,802	844,537	1,752,598	46,448
Induced	10,550	555,961	1,052,933	1,984,975	128,017
<b>Total</b>	<b>30,573</b>	<b>2,161,018</b>	<b>3,335,049</b>	<b>6,509,728</b>	<b>221,460</b>
<i>Multiplier</i>	2.7	2.0	2.3	2.3	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 9: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	939	171,980	240,994	441,013	4,148
Indirect	0	0	0	0	0
Induced	1,020	57,718	108,084	195,915	12,698
<b>Total</b>	<b>1,959</b>	<b>229,698</b>	<b>349,078</b>	<b>636,928</b>	<b>16,846</b>
<i>Multiplier</i>	2.1	1.3	1.4	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 10: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Alabama**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7,355	731,364	972,369	1,918,174	28,958
Indirect	6,232	400,021	621,403	1,254,827	31,897
Induced	7,140	384,081	723,725	1,343,299	86,633
<b>Total</b>	<b>20,727</b>	<b>1,515,467</b>	<b>2,317,496</b>	<b>4,516,300</b>	<b>147,488</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 11: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	60	10,904	15,399	28,179	263
Indirect	0	0	0	0	0
Induced	76	4,063	7,606	14,718	954
<b>Total</b>	<b>136</b>	<b>14,967</b>	<b>23,004</b>	<b>42,897</b>	<b>1,217</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.4</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 12: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	618	51,217	63,987	120,232	2,981
Indirect	341	20,478	32,339	68,632	2,033
Induced	500	25,932	49,411	95,795	6,178
<b>Total</b>	<b>1,460</b>	<b>97,627</b>	<b>145,738</b>	<b>284,659</b>	<b>11,192</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.9</i>	<i>2.3</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Alaska

## NASA

Table 13: Summary of Employment Component of NASA Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 14: Summary of Procurement Component of NASA Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	108	10,007	11,524	23,535	235
Indirect	43	3,165	5,195	9,899	170
Induced	75	4,788	8,472	14,478	600
<b>Total</b>	<b>226</b>	<b>17,961</b>	<b>25,192</b>	<b>47,913</b>	<b>1,005</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.8</i>	<i>2.2</i>	<i>2.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 15: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

## Appendix

**Table 16: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Alaska**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	7	8	16	<1
Indirect	<1	2	4	7	<1
Induced	<1	3	6	10	0
<b>Total</b>	<b>&lt;1</b>	<b>12</b>	<b>17</b>	<b>32</b>	<b>1</b>
<i>Multiplier</i>	2.2	1.8	2.2	2.0	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 17: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 18: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	72	6,922	8,095	16,333	162
Indirect	31	2,191	3,572	6,937	119
Induced	53	3,300	5,985	10,335	428
<b>Total</b>	<b>156</b>	<b>12,412</b>	<b>17,652</b>	<b>33,606</b>	<b>709</b>
<i>Multiplier</i>	2.2	1.8	2.2	2.1	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Arizona

## NASA

Table 19: Summary of Employment Component of NASA Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	3,745	5,222	9,556	67
Indirect	0	0	0	0	0
Induced	31	2,011	3,647	6,404	371
<b>Total</b>	<b>51</b>	<b>5,756</b>	<b>8,869</b>	<b>15,960</b>	<b>438</b>
<i>Multiplier</i>	2.5	1.5	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 20: Summary of Procurement Component of NASA Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	905	90,746	126,664	224,216	4,529
Indirect	748	55,749	88,619	169,019	4,470
Induced	1,208	74,137	135,275	240,725	13,895
<b>Total</b>	<b>2,862</b>	<b>220,631</b>	<b>350,557</b>	<b>633,960</b>	<b>22,895</b>
<i>Multiplier</i>	3.2	2.4	2.8	2.8	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 21: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	30	47	86	1
Indirect	0	0	0	0	0
Induced	<1	15	28	48	3
<b>Total</b>	<b>&lt;1</b>	<b>45</b>	<b>75</b>	<b>134</b>	<b>3</b>
<i>Multiplier</i>	2.4	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 22: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Arizona**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	132	11,380	15,804	25,411	610
Indirect	75	5,587	8,980	16,907	440
Induced	139	8,734	15,818	27,819	1,606
<b>Total</b>	<b>346</b>	<b>25,701</b>	<b>40,602</b>	<b>70,137</b>	<b>2,655</b>
<i>Multiplier</i>	<i>2.6</i>	<i>2.3</i>	<i>2.6</i>	<i>2.8</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 23: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	768	1,272	2,328	14
Indirect	0	0	0	0	0
Induced	7	426	777	1,406	82
<b>Total</b>	<b>12</b>	<b>1,193</b>	<b>2,049</b>	<b>3,734</b>	<b>95</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.6</i>	<i>1.6</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 24: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	103	8,792	11,984	20,781	432
Indirect	74	5,183	8,328	16,247	440
Induced	119	7,180	13,178	23,925	1,381
<b>Total</b>	<b>297</b>	<b>21,155</b>	<b>33,490</b>	<b>60,954</b>	<b>2,253</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.4</i>	<i>2.8</i>	<i>2.9</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Arkansas

## NASA

Table 25: Summary of Employment Component of NASA Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	499	725	1,326	12
Indirect	0	0	0	0	0
Induced	3	171	321	606	39
<b>Total</b>	<b>6</b>	<b>670</b>	<b>1,046</b>	<b>1,932</b>	<b>51</b>
<i>Multiplier</i>	2.2	1.3	1.4	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 26: Summary of Procurement Component of NASA Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	978	1,276	2,834	43
Indirect	10	607	947	1,945	57
Induced	11	536	1,019	1,945	124
<b>Total</b>	<b>34</b>	<b>2,121</b>	<b>3,242</b>	<b>6,724</b>	<b>224</b>
<i>Multiplier</i>	2.6	2.2	2.5	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 27: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 28: Table 10: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Arkansas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	54	72	157	2
Indirect	1	34	53	107	3
Induced	1	30	56	105	7
<b>Total</b>	<b>2</b>	<b>118</b>	<b>182</b>	<b>370</b>	<b>12</b>
<i>Multiplier</i>	2.7	2.2	2.5	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 29: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	61	178	325	1
Indirect	0	0	0	0	0
Induced	<1	22	41	79	5
<b>Total</b>	<b>1</b>	<b>82</b>	<b>218</b>	<b>404</b>	<b>7</b>
<i>Multiplier</i>	1.7	1.4	1.2	1.2	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 30: Table 12: Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	243	330	724	11
Indirect	3	157	244	511	15
Induced	3	136	260	508	32
<b>Total</b>	<b>9</b>	<b>536</b>	<b>835</b>	<b>1,743</b>	<b>58</b>
<i>Multiplier</i>	2.7	2.2	2.5	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## California

## NASA

Table 31: Summary of Employment Component of NASA Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,805	377,059	463,428	848,062	18,377
Indirect	0	0	0	0	0
Induced	2,782	228,534	411,251	696,914	54,903
<b>Total</b>	<b>4,587</b>	<b>605,594</b>	<b>874,679</b>	<b>1,544,976</b>	<b>73,280</b>
<i>Multiplier</i>	2.5	1.6	1.9	1.8	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 32: Summary of Procurement Component of NASA Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17,623	2,591,165	3,654,926	5,849,741	251,575
Indirect	14,971	1,541,972	2,476,532	4,327,029	233,568
Induced	29,027	2,209,938	3,978,907	6,871,847	538,468
<b>Total</b>	<b>61,621</b>	<b>6,343,074</b>	<b>10,110,365</b>	<b>17,048,616</b>	<b>1,023,611</b>
<i>Multiplier</i>	3.5	2.4	2.8	2.9	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 33: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	165	36,403	42,418	77,623	1,774
Indirect	0	0	0	0	0
Induced	257	22,334	40,380	65,712	5,177
<b>Total</b>	<b>423</b>	<b>58,737</b>	<b>82,798</b>	<b>143,336</b>	<b>6,951</b>
<i>Multiplier</i>	2.6	1.6	2.0	1.8	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 34: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, California**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4,122	706,995	1,002,078	1,598,124	59,536
Indirect	3,784	425,658	673,842	1,138,692	51,300
Induced	7,800	612,373	1,098,930	1,864,557	146,114
<b>Total</b>	<b>15,706</b>	<b>1,745,027</b>	<b>2,774,851</b>	<b>4,601,373</b>	<b>256,949</b>
<i>Multiplier</i>	3.8	2.5	2.8	2.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 35: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, California**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	449	86,504	115,197	210,808	4,216
Indirect	0	0	0	0	0
Induced	670	51,533	91,939	162,688	12,817
<b>Total</b>	<b>1,118</b>	<b>138,037</b>	<b>207,136</b>	<b>373,496</b>	<b>17,033</b>
<i>Multiplier</i>	2.5	1.6	1.8	1.8	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 36: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, California**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,784	228,048	319,816	485,283	21,685
Indirect	1,210	120,215	193,049	344,286	17,059
Induced	2,569	193,135	351,343	622,723	48,797
<b>Total</b>	<b>5,563</b>	<b>541,398</b>	<b>864,208</b>	<b>1,452,291</b>	<b>87,541</b>
<i>Multiplier</i>	3.1	2.4	2.7	3.0	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Colorado

## NASA

Table 37: Summary of Employment Component of NASA Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	56	10,742	14,457	26,456	298
Indirect	0	0	0	0	0
Induced	80	5,639	9,908	17,497	1,048
<b>Total</b>	<b>136</b>	<b>16,381</b>	<b>24,365</b>	<b>43,953</b>	<b>1,346</b>
<i>Multiplier</i>	2.4	1.5	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 38: Summary of Procurement Component of NASA Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6,544	750,172	959,057	1,752,386	37,088
Indirect	5,702	516,252	754,804	1,372,842	36,124
Induced	9,234	612,653	1,088,704	1,935,399	115,329
<b>Total</b>	<b>21,480</b>	<b>1,879,077</b>	<b>2,802,565</b>	<b>5,060,627</b>	<b>188,541</b>
<i>Multiplier</i>	3.3	2.5	2.9	2.9	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 39: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10	1,994	2,656	4,860	55
Indirect	0	0	0	0	0
Induced	14	1,026	1,808	3,117	187
<b>Total</b>	<b>24</b>	<b>3,020</b>	<b>4,464</b>	<b>7,977</b>	<b>242</b>
<i>Multiplier</i>	2.4	1.5	1.7	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 40: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Colorado**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4,191	507,840	641,575	1,152,091	23,382
Indirect	3,677	345,762	506,562	902,483	22,670
Induced	6,048	409,181	725,556	1,272,107	75,804
<b>Total</b>	<b>13,916</b>	<b>1,262,783</b>	<b>1,873,693</b>	<b>3,326,680</b>	<b>121,856</b>
<i>Multiplier</i>	3.3	2.5	2.9	2.9	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 41: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,469	2,203	4,031	41
Indirect	0	0	0	0	0
Induced	12	830	1,413	2,545	190
<b>Total</b>	<b>20</b>	<b>2,299</b>	<b>3,615</b>	<b>6,576</b>	<b>231</b>
<i>Multiplier</i>	2.4	1.6	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 42: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,469	2,203	4,031	41
Indirect	1,294	130,700	179,424	326,812	7,462
Induced	1,003	65,779	117,090	212,175	12,682
<b>Total</b>	<b>2,306</b>	<b>197,948</b>	<b>298,716</b>	<b>543,017</b>	<b>20,184</b>
<i>Multiplier</i>	268.8	134.7	135.6	134.7	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Connecticut

## NASA

Table 43: Summary of Employment Component of NASA Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,429	2,210	4,044	42
Indirect	0	0	0	0	0
Induced	9	700	1,177	1,838	133
<b>Total</b>	<b>17</b>	<b>2,129</b>	<b>3,387</b>	<b>5,883</b>	<b>175</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 44: Summary of Procurement Component of NASA Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	232	27,861	37,593	57,532	3,019
Indirect	105	10,143	15,260	26,760	1,169
Induced	232	17,884	30,359	48,282	3,474
<b>Total</b>	<b>569</b>	<b>55,888</b>	<b>83,212</b>	<b>132,574</b>	<b>7,661</b>
<i>Multiplier</i>	<i>2.5</i>	<i>2.0</i>	<i>2.2</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 45: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	135	261	478	4
Indirect	0	0	0	0	0
Induced	1	66	111	168	12
<b>Total</b>	<b>2</b>	<b>201</b>	<b>372</b>	<b>646</b>	<b>16</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.5</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 46: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Connecticut**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	23	2,981	3,877	7,005	215
Indirect	19	1,955	2,953	5,057	222
Induced	29	2,265	3,810	5,974	430
<b>Total</b>	<b>70</b>	<b>7,202</b>	<b>10,640</b>	<b>18,036</b>	<b>867</b>
<i>Multiplier</i>	<i>3.1</i>	<i>2.4</i>	<i>2.7</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 47: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	230	567	1,037	7
Indirect	0	0	0	0	0
Induced	2	114	191	307	22
<b>Total</b>	<b>4</b>	<b>344</b>	<b>758</b>	<b>1,344</b>	<b>29</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.5</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 48: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	43	5,531	7,329	12,341	391
Indirect	36	3,347	5,052	8,959	381
Induced	54	4,116	7,026	11,368	818
<b>Total</b>	<b>134</b>	<b>12,994</b>	<b>19,407</b>	<b>32,667</b>	<b>1,590</b>
<i>Multiplier</i>	<i>3.1</i>	<i>2.3</i>	<i>2.6</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Delaware

## NASA

Table 49: Summary of Employment Component of NASA Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	857	1,313	2,403	25
Indirect	0	0	0	0	0
Induced	4	268	522	837	44
<b>Total</b>	<b>9</b>	<b>1,125</b>	<b>1,835</b>	<b>3,240</b>	<b>70</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.3</i>	<i>1.4</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 50: Summary of Procurement Component of NASA Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	196	16,461	20,411	34,582	1,378
Indirect	52	3,264	6,557	11,317	543
Induced	109	6,575	12,998	21,081	1,111
<b>Total</b>	<b>357</b>	<b>26,300</b>	<b>39,966</b>	<b>66,981</b>	<b>3,032</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.6</i>	<i>2.0</i>	<i>1.9</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 51: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	41	77	141	1
Indirect	0	0	0	0	0
Induced	<1	13	24	38	2
<b>Total</b>	<b>&lt;1</b>	<b>53</b>	<b>101</b>	<b>179</b>	<b>3</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 52: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Delaware**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	358	470	922	23
Indirect	2	171	317	530	24
Induced	3	168	328	527	28
<b>Total</b>	<b>8</b>	<b>697</b>	<b>1,115</b>	<b>1,979</b>	<b>75</b>
<i>Multiplier</i>	<i>2.9</i>	<i>1.9</i>	<i>2.4</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 53: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	8	14	26	<1
Indirect	0	0	0	0	0
Induced	<1	2	5	8	<1
<b>Total</b>	<b>&lt;1</b>	<b>10</b>	<b>19</b>	<b>34</b>	<b>1</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 54: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	983	1,259	2,159	52
Indirect	6	394	726	1,253	57
Induced	8	443	889	1,464	77
<b>Total</b>	<b>22</b>	<b>1,820</b>	<b>2,873</b>	<b>4,877</b>	<b>186</b>
<i>Multiplier</i>	<i>2.6</i>	<i>1.9</i>	<i>2.3</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Florida

## NASA

Table 55: Summary of Employment Component of NASA Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,162	393,525	555,027	1,015,686	363
Indirect	0	0	0	0	0
Induced	3,339	205,721	374,952	671,200	37,166
<b>Total</b>	<b>5,501</b>	<b>599,246</b>	<b>929,980</b>	<b>1,686,886</b>	<b>37,530</b>
<i>Multiplier</i>	2.5	1.5	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 56: Summary of Procurement Component of NASA Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8,712	811,257	1,165,313	2,331,218	42,653
Indirect	9,578	647,791	1,000,564	1,963,946	78,903
Induced	11,894	694,439	1,276,215	2,315,248	127,518
<b>Total</b>	<b>30,184</b>	<b>2,153,488</b>	<b>3,442,092</b>	<b>6,610,412</b>	<b>249,074</b>
<i>Multiplier</i>	3.5	2.7	3.0	2.8	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 57: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	688	123,197	176,504	322,998	114
Indirect	0	0	0	0	0
Induced	976	62,418	114,361	199,891	11,069
<b>Total</b>	<b>1,663</b>	<b>185,615</b>	<b>290,865</b>	<b>522,889</b>	<b>11,182</b>
<i>Multiplier</i>	2.4	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 58: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Florida**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,274	336,949	444,608	833,932	10,034
Indirect	3,478	249,254	381,304	737,713	21,933
Induced	4,708	281,989	516,555	926,118	51,012
<b>Total</b>	<b>11,459</b>	<b>868,191</b>	<b>1,342,468</b>	<b>2,497,763</b>	<b>82,979</b>
<i>Multiplier</i>	3.5	2.6	3.0	3.0	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 59: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	22	3,755	5,581	10,214	3
Indirect	0	0	0	0	0
Induced	35	2,042	3,698	6,833	378
<b>Total</b>	<b>57</b>	<b>5,797</b>	<b>9,279</b>	<b>17,047</b>	<b>382</b>
<i>Multiplier</i>	2.6	1.5	1.7	1.7	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 60: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	610	55,986	72,663	142,031	1,392
Indirect	645	42,637	64,948	130,403	3,888
Induced	868	49,767	91,698	169,419	9,332
<b>Total</b>	<b>2,123</b>	<b>148,390</b>	<b>229,308</b>	<b>441,852</b>	<b>14,612</b>
<i>Multiplier</i>	3.5	2.7	3.2	3.1	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Georgia

## NASA

Table 61: Summary of Employment Component of NASA Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	27	3,815	6,828	12,496	105
Indirect	0	0	0	0	0
Induced	30	1,970	3,624	6,365	370
<b>Total</b>	<b>57</b>	<b>5,784</b>	<b>10,452</b>	<b>18,861</b>	<b>475</b>
<i>Multiplier</i>	2.1	1.5	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 62: Summary of Procurement Component of NASA Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	115	11,132	14,864	28,484	602
Indirect	101	7,672	12,326	23,438	724
Induced	148	9,062	16,806	29,962	1,733
<b>Total</b>	<b>363</b>	<b>27,866</b>	<b>43,996</b>	<b>81,884</b>	<b>3,060</b>
<i>Multiplier</i>	3.2	2.5	3.0	2.9	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 63: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	518	804	1,471	14
Indirect	0	0	0	0	0
Induced	4	260	479	819	48
<b>Total</b>	<b>7</b>	<b>778</b>	<b>1,283</b>	<b>2,290</b>	<b>62</b>
<i>Multiplier</i>	2.3	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 64: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Georgia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	25	2,390	3,099	5,524	122
Indirect	19	1,463	2,324	4,252	115
Induced	30	1,870	3,460	6,076	352
<b>Total</b>	<b>74</b>	<b>5,724</b>	<b>8,883</b>	<b>15,853</b>	<b>588</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.4</i>	<i>2.9</i>	<i>2.9</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 65: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	150	473	866	4
Indirect	0	0	0	0	0
Induced	1	80	146	266	15
<b>Total</b>	<b>3</b>	<b>230</b>	<b>619</b>	<b>1,132</b>	<b>20</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.5</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 66: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	46	4,346	5,765	10,295	228
Indirect	37	2,701	4,285	8,230	226
Induced	58	3,497	6,514	11,880	687
<b>Total</b>	<b>142</b>	<b>10,544</b>	<b>16,563</b>	<b>30,405</b>	<b>1,142</b>
<i>Multiplier</i>	<i>3.1</i>	<i>2.4</i>	<i>2.9</i>	<i>3.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Hawaii

## NASA

Table 67: Summary of Employment Component of NASA Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,277	1,698	3,108	48
Indirect	0	0	0	0	0
Induced	8	527	982	1,669	140
<b>Total</b>	<b>15</b>	<b>1,804</b>	<b>2,680</b>	<b>4,777</b>	<b>188</b>
<i>Multiplier</i>	2.3	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 68: Summary of Procurement Component of NASA Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	143	13,634	14,418	30,417	733
Indirect	87	6,045	9,445	17,783	725
Induced	134	8,002	15,130	25,982	2,166
<b>Total</b>	<b>365</b>	<b>27,681</b>	<b>38,992</b>	<b>74,182</b>	<b>3,623</b>
<i>Multiplier</i>	2.5	2.0	2.7	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 69: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	279	329	603	11
Indirect	0	0	0	0	0
Induced	2	114	211	350	29
<b>Total</b>	<b>3</b>	<b>394</b>	<b>540</b>	<b>953</b>	<b>40</b>
<i>Multiplier</i>	2.4	1.4	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 70: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Hawaii**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	304	141	345	13
Indirect	2	119	179	321	15
Induced	3	180	338	573	48
<b>Total</b>	<b>8</b>	<b>603</b>	<b>658</b>	<b>1,239</b>	<b>76</b>
<i>Multiplier</i>	<i>2.3</i>	<i>2.0</i>	<i>4.7</i>	<i>3.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 71: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	178	297	544	7
Indirect	0	0	0	0	0
Induced	1	74	139	243	20
<b>Total</b>	<b>2</b>	<b>252</b>	<b>436</b>	<b>787</b>	<b>27</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 72: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	1,972	2,088	4,063	103
Indirect	11	767	1,191	2,271	94
Induced	19	1,128	2,143	3,750	313
<b>Total</b>	<b>51</b>	<b>3,867</b>	<b>5,423</b>	<b>10,084</b>	<b>510</b>
<i>Multiplier</i>	<i>2.5</i>	<i>2.0</i>	<i>2.6</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Idaho

## NASA

Table 73: Summary of Employment Component of NASA Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	877	1,370	2,508	26
Indirect	0	0	0	0	0
Induced	6	338	603	1,131	71
<b>Total</b>	<b>11</b>	<b>1,214</b>	<b>1,973</b>	<b>3,639</b>	<b>97</b>
<i>Multiplier</i>	2.1	1.4	1.4	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 74: Summary of Procurement Component of NASA Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	28	2,191	2,657	5,409	111
Indirect	21	1,329	1,989	4,262	109
Induced	24	1,328	2,388	4,507	281
<b>Total</b>	<b>73</b>	<b>4,848</b>	<b>7,034</b>	<b>14,179</b>	<b>501</b>
<i>Multiplier</i>	2.6	2.2	2.6	2.6	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 75: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	142	119	217	4
Indirect	0	0	0	0	0
Induced	1	53	95	175	11
<b>Total</b>	<b>1</b>	<b>195</b>	<b>214</b>	<b>392</b>	<b>15</b>
<i>Multiplier</i>	3.1	1.4	1.8	1.8	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 76: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Idaho**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	102	152	193	5
Indirect	<1	20	30	64	2
Induced	1	49	89	165	10
<b>Total</b>	<b>2</b>	<b>172</b>	<b>271</b>	<b>422</b>	<b>17</b>
<i>Multiplier</i>	2.3	1.7	1.8	2.2	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 77: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	120	190	348	4
Indirect	0	0	0	0	0
Induced	1	48	85	164	10
<b>Total</b>	<b>2</b>	<b>168</b>	<b>275</b>	<b>512</b>	<b>14</b>
<i>Multiplier</i>	2.3	1.4	1.4	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 78: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	11	900	1,072	2,262	44
Indirect	10	604	900	1,943	49
Induced	10	566	1,024	1,970	123
<b>Total</b>	<b>31</b>	<b>2,070</b>	<b>2,996</b>	<b>6,175</b>	<b>216</b>
<i>Multiplier</i>	2.8	2.3	2.8	2.7	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Illinois

## NASA

Table 79: Summary of Employment Component of NASA Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	21	2,742	5,316	9,727	67
Indirect	0	0	0	0	0
Induced	21	1,605	2,743	4,717	329
<b>Total</b>	<b>42</b>	<b>4,347</b>	<b>8,059</b>	<b>14,445</b>	<b>396</b>
<i>Multiplier</i>	2.0	1.6	1.5	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 80: Summary of Procurement Component of NASA Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	235	27,206	37,646	62,591	1,788
Indirect	178	17,087	25,610	45,803	1,668
Induced	336	24,466	42,061	73,510	5,093
<b>Total</b>	<b>749</b>	<b>68,758</b>	<b>105,317</b>	<b>181,905</b>	<b>8,550</b>
<i>Multiplier</i>	3.2	2.5	2.8	2.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 81: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	408	824	1,508	10
Indirect	0	0	0	0	0
Induced	3	237	406	677	47
<b>Total</b>	<b>6</b>	<b>645</b>	<b>1,230</b>	<b>2,185</b>	<b>57</b>
<i>Multiplier</i>	1.9	1.6	1.5	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 82: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Illinois**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	40	3,862	4,734	7,463	210
Indirect	20	1,883	2,790	4,943	185
Induced	44	3,300	5,674	9,748	675
<b>Total</b>	<b>103</b>	<b>9,045</b>	<b>13,198</b>	<b>22,154</b>	<b>1,070</b>
<i>Multiplier</i>	2.6	2.3	2.8	3.0	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 83: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	78	138	252	2
Indirect	0	0	0	0	0
Induced	1	46	78	139	10
<b>Total</b>	<b>1</b>	<b>124</b>	<b>216</b>	<b>392</b>	<b>12</b>
<i>Multiplier</i>	2.3	1.6	1.6	1.6	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 84: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	57	6,092	8,682	13,429	404
Indirect	36	3,383	5,102	9,247	331
Induced	74	5,318	9,170	16,402	1,137
<b>Total</b>	<b>167</b>	<b>14,793</b>	<b>22,954</b>	<b>39,078</b>	<b>1,872</b>
<i>Multiplier</i>	2.9	2.4	2.6	2.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Indiana

## NASA

Table 85: Summary of Employment Component of NASA Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	14	2,079	3,721	6,810	68
Indirect	0	0	0	0	0
Induced	14	932	1,636	2,968	175
<b>Total</b>	<b>29</b>	<b>3,011</b>	<b>5,357</b>	<b>9,778</b>	<b>243</b>
<i>Multiplier</i>	2.0	1.4	1.4	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 86: Summary of Procurement Component of NASA Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	264	24,149	50,857	81,602	2,236
Indirect	197	15,925	25,292	46,070	1,598
Induced	286	17,623	31,297	57,555	3,382
<b>Total</b>	<b>748</b>	<b>57,698</b>	<b>107,446</b>	<b>185,227</b>	<b>7,217</b>
<i>Multiplier</i>	2.8	2.4	2.1	2.3	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 87: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	386	774	1,417	13
Indirect	0	0	0	0	0
Induced	3	170	297	523	31
<b>Total</b>	<b>6</b>	<b>555</b>	<b>1,071</b>	<b>1,940</b>	<b>43</b>
<i>Multiplier</i>	1.8	1.4	1.4	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 88: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Indiana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	27	2,273	4,433	6,896	195
Indirect	16	1,317	2,090	3,780	131
Induced	25	1,581	2,811	5,089	299
<b>Total</b>	<b>68</b>	<b>5,171</b>	<b>9,334</b>	<b>15,765</b>	<b>626</b>
<i>Multiplier</i>	<i>2.5</i>	<i>2.3</i>	<i>2.1</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 89: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	103	183	335	3
Indirect	0	0	0	0	0
Induced	1	47	83	155	9
<b>Total</b>	<b>2</b>	<b>150</b>	<b>266</b>	<b>490</b>	<b>13</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 90: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	27	2,273	4,602	7,230	203
Indirect	18	1,390	2,214	4,112	143
Induced	27	1,621	2,902	5,467	321
<b>Total</b>	<b>72</b>	<b>5,284</b>	<b>9,718</b>	<b>16,809</b>	<b>666</b>
<i>Multiplier</i>	<i>2.6</i>	<i>2.3</i>	<i>2.1</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Iowa

## NASA

Table 91: Summary of Employment Component of NASA Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	1,139	1,587	2,905	31
Indirect	0	0	0	0	0
Induced	7	390	736	1,363	78
<b>Total</b>	<b>13</b>	<b>1,529</b>	<b>2,324</b>	<b>4,268</b>	<b>109</b>
<i>Multiplier</i>	2.1	1.3	1.5	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 92: Summary of Procurement Component of NASA Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	222	17,904	26,087	52,336	1,110
Indirect	147	9,859	15,773	31,558	930
Induced	174	9,402	18,009	33,636	1,918
<b>Total</b>	<b>543</b>	<b>37,165</b>	<b>59,869</b>	<b>117,531</b>	<b>3,959</b>
<i>Multiplier</i>	2.4	2.1	2.3	2.2	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 93: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	16	20	36	<1
Indirect	0	0	0	0	0
Induced	<1	5	10	18	1
<b>Total</b>	<b>&lt;1</b>	<b>21</b>	<b>30</b>	<b>54</b>	<b>1</b>
<i>Multiplier</i>	2.2	1.3	1.5	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 94: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Iowa**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	81	111	208	6
Indirect	1	33	56	116	4
Induced	1	39	75	138	8
<b>Total</b>	<b>3</b>	<b>153</b>	<b>241</b>	<b>462</b>	<b>18</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.9</i>	<i>2.2</i>	<i>2.2</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 95: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	180	355	650	5
Indirect	0	0	0	0	0
Induced	1	63	119	227	13
<b>Total</b>	<b>3</b>	<b>243</b>	<b>475</b>	<b>877</b>	<b>18</b>
<i>Multiplier</i>	<i>1.9</i>	<i>1.4</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 96: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	899	1,326	2,594	60
Indirect	7	463	752	1,542	47
Induced	9	461	882	1,682	96
<b>Total</b>	<b>29</b>	<b>1,824</b>	<b>2,960</b>	<b>5,818</b>	<b>203</b>
<i>Multiplier</i>	<i>2.2</i>	<i>2.0</i>	<i>2.2</i>	<i>2.2</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Kansas

## NASA

Table 97: Summary of Employment Component of NASA Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,356	2,249	4,116	34
Indirect	0	0	0	0	0
Induced	8	489	878	1,670	101
<b>Total</b>	<b>17</b>	<b>1,845</b>	<b>3,127</b>	<b>5,786</b>	<b>135</b>
<i>Multiplier</i>	<i>1.9</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 98: Summary of Procurement Component of NASA Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	53	4,442	5,796	11,511	245
Indirect	34	2,388	3,671	7,495	202
Induced	43	2,424	4,407	8,442	508
<b>Total</b>	<b>129</b>	<b>9,254</b>	<b>13,874</b>	<b>27,449</b>	<b>954</b>
<i>Multiplier</i>	<i>2.5</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 99: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	164	361	661	4
Indirect	0	0	0	0	0
Induced	1	58	103	191	12
<b>Total</b>	<b>2</b>	<b>222</b>	<b>464</b>	<b>852</b>	<b>16</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.4</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 100: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Kansas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	103	122	202	7
Indirect	0	29	51	108	3
Induced	1	49	88	166	10
<b>Total</b>	<b>4</b>	<b>181</b>	<b>261</b>	<b>477</b>	<b>21</b>
<i>Multiplier</i>	<i>1.6</i>	<i>1.8</i>	<i>2.1</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 101: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	496	782	1,432	12
Indirect	0	0	0	0	0
Induced	3	187	334	660	40
<b>Total</b>	<b>6</b>	<b>684</b>	<b>1,116</b>	<b>2,092</b>	<b>52</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.4</i>	<i>1.4</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 102: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	21	1,740	2,265	4,426	93
Indirect	13	904	1,397	2,939	80
Induced	17	951	1,739	3,418	206
<b>Total</b>	<b>51</b>	<b>3,595</b>	<b>5,402</b>	<b>10,783</b>	<b>379</b>
<i>Multiplier</i>	<i>2.5</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Kentucky

## NASA

Table 103: Summary of Employment Component of NASA Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	1,226	2,088	3,820	41
Indirect	0	0	0	0	0
Induced	8	483	840	1,566	97
<b>Total</b>	<b>16</b>	<b>1,709</b>	<b>2,928</b>	<b>5,386</b>	<b>137</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 104: Summary of Procurement Component of NASA Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	28	2,359	3,457	6,900	416
Indirect	21	1,343	2,049	4,374	154
Induced	25	1,395	2,459	4,628	284
<b>Total</b>	<b>74</b>	<b>5,096</b>	<b>7,965</b>	<b>15,902</b>	<b>855</b>
<i>Multiplier</i>	<i>2.6</i>	<i>2.2</i>	<i>2.3</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 105: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	374	666	1,218	12
Indirect	0	0	0	0	0
Induced	2	143	247	450	28
<b>Total</b>	<b>5</b>	<b>517</b>	<b>913</b>	<b>1,668</b>	<b>40</b>
<i>Multiplier</i>	<i>1.9</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 106: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Kentucky**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	473	587	1,183	28
Indirect	4	252	378	769	22
Induced	5	284	499	924	57
<b>Total</b>	<b>15</b>	<b>1,009</b>	<b>1,464</b>	<b>2,876</b>	<b>107</b>
<i>Multiplier</i>	<i>2.4</i>	<i>2.1</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 107: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	201	263	480	7
Indirect	0	0	0	0	0
Induced	2	82	143	276	17
<b>Total</b>	<b>3</b>	<b>284</b>	<b>406</b>	<b>756</b>	<b>24</b>
<i>Multiplier</i>	<i>2.5</i>	<i>1.4</i>	<i>1.5</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 108: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	231	296	573	16
Indirect	2	111	176	382	15
Induced	2	133	236	455	28
<b>Total</b>	<b>9</b>	<b>475</b>	<b>708</b>	<b>1,410</b>	<b>58</b>
<i>Multiplier</i>	<i>1.9</i>	<i>2.1</i>	<i>2.4</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Louisiana

## NASA

Table 109: Summary of Employment Component of NASA Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	191	34,987	49,063	89,784	710
Indirect	0	0	0	0	0
Induced	246	13,428	24,934	45,943	3,075
<b>Total</b>	<b>437</b>	<b>48,415</b>	<b>73,997</b>	<b>135,728</b>	<b>3,785</b>
<i>Multiplier</i>	2.3	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 110: Summary of Procurement Component of NASA Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	825	46,389	60,081	147,233	2,341
Indirect	605	35,733	58,710	124,300	4,112
Induced	551	28,605	53,698	100,116	6,668
<b>Total</b>	<b>1,981</b>	<b>110,726</b>	<b>172,488</b>	<b>371,649</b>	<b>13,121</b>
<i>Multiplier</i>	2.4	2.4	2.9	2.5	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 111: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	52	9,148	13,266	24,276	186
Indirect	0	0	0	0	0
Induced	60	3,431	6,300	11,327	758
<b>Total</b>	<b>112</b>	<b>12,580</b>	<b>19,566</b>	<b>35,603</b>	<b>944</b>
<i>Multiplier</i>	2.2	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 112: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Louisiana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	363	21,737	30,949	73,360	1,414
Indirect	314	18,907	30,667	62,700	1,883
Induced	255	13,575	25,302	46,542	3,100
<b>Total</b>	<b>933</b>	<b>54,218</b>	<b>86,918</b>	<b>182,602</b>	<b>6,396</b>
<i>Multiplier</i>	<i>2.6</i>	<i>2.5</i>	<i>2.8</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 113: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	481	731	1,338	10
Indirect	0	0	0	0	0
Induced	4	195	364	697	47
<b>Total</b>	<b>7</b>	<b>676</b>	<b>1,095</b>	<b>2,035</b>	<b>56</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.4</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 114: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	38	2,435	2,614	5,731	82
Indirect	17	1,114	2,031	4,720	224
Induced	26	1,304	2,483	4,767	317
<b>Total</b>	<b>80</b>	<b>4,853</b>	<b>7,128</b>	<b>15,219</b>	<b>623</b>
<i>Multiplier</i>	<i>2.1</i>	<i>2.0</i>	<i>2.7</i>	<i>2.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Maine

## NASA

Table 115: Summary of Employment Component of NASA Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	657	957	1,751	20
Indirect	0	0	0	0	0
Induced	5	295	538	915	66
<b>Total</b>	<b>9</b>	<b>952</b>	<b>1,494</b>	<b>2,665</b>	<b>85</b>
<i>Multiplier</i>	2.4	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 116: Summary of Procurement Component of NASA Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	65	5,460	8,077	17,066	639
Indirect	42	2,887	4,588	8,793	483
Induced	62	3,603	6,647	11,452	816
<b>Total</b>	<b>169</b>	<b>11,951</b>	<b>19,312</b>	<b>37,311</b>	<b>1,938</b>
<i>Multiplier</i>	2.6	2.2	2.4	2.2	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 117: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	236	257	470	7
Indirect	0	0	0	0	0
Induced	2	105	188	314	23
<b>Total</b>	<b>3</b>	<b>341</b>	<b>445</b>	<b>784</b>	<b>30</b>
<i>Multiplier</i>	2.8	1.4	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 118: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Maine**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	1,194	1,833	3,804	108
Indirect	4	310	462	915	41
Induced	11	665	1,217	2,074	148
<b>Total</b>	<b>28</b>	<b>2,169</b>	<b>3,511</b>	<b>6,792</b>	<b>297</b>
<i>Multiplier</i>	2.2	1.8	1.9	1.8	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 119: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	74	162	296	2
Indirect	0	0	0	0	0
Induced	1	34	62	109	8
<b>Total</b>	<b>1</b>	<b>108</b>	<b>224</b>	<b>405</b>	<b>10</b>
<i>Multiplier</i>	2.0	1.5	1.4	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 120: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	26	2,087	3,209	6,568	331
Indirect	22	1,416	2,352	4,410	291
Induced	26	1,478	2,749	4,813	343
<b>Total</b>	<b>74</b>	<b>4,981</b>	<b>8,310</b>	<b>15,790</b>	<b>965</b>
<i>Multiplier</i>	2.8	2.4	2.6	2.4	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Maryland

## NASA

Table 121: Summary of Employment Component of NASA Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,067	650,169	787,488	1,441,084	24,908
Indirect	0	0	0	0	0
Induced	3,703	248,229	448,434	736,839	54,575
<b>Total</b>	<b>6,770</b>	<b>898,398</b>	<b>1,235,922</b>	<b>2,177,923</b>	<b>79,483</b>
<i>Multiplier</i>	2.2	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 122: Summary of Procurement Component of NASA Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9,832	1,164,272	1,463,685	2,566,060	72,870
Indirect	6,911	559,962	869,204	1,538,672	69,300
Induced	10,296	651,132	1,187,919	1,983,810	146,174
<b>Total</b>	<b>27,039</b>	<b>2,375,366</b>	<b>3,520,808</b>	<b>6,088,542</b>	<b>288,344</b>
<i>Multiplier</i>	2.8	2.0	2.4	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 123: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	174	36,291	44,717	81,831	1,390
Indirect	0	0	0	0	0
Induced	197	13,876	24,912	39,946	2,959
<b>Total</b>	<b>371</b>	<b>50,167</b>	<b>69,629</b>	<b>121,778</b>	<b>4,349</b>
<i>Multiplier</i>	2.1	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 124: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Maryland**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	406	51,552	65,727	113,011	3,047
Indirect	296	25,246	39,310	67,994	3,003
Induced	445	28,987	52,457	86,478	6,372
<b>Total</b>	<b>1,148</b>	<b>105,785</b>	<b>157,494</b>	<b>267,483</b>	<b>12,422</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 125: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	421	89,107	108,083	197,790	3,414
Indirect	0	0	0	0	0
Induced	541	34,326	62,091	105,084	7,783
<b>Total</b>	<b>962</b>	<b>123,433</b>	<b>170,175</b>	<b>302,874</b>	<b>11,197</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.4</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 126: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,524	186,126	245,725	439,118	11,717
Indirect	1,259	98,902	153,325	274,602	12,292
Induced	1,727	106,933	196,315	333,128	24,546
<b>Total</b>	<b>4,510</b>	<b>391,960</b>	<b>595,365</b>	<b>1,046,849</b>	<b>48,555</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Massachusetts

## NASA

Table 127: Summary of Employment Component of NASA Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	3,903	5,035	9,213	142
Indirect	0	0	0	0	0
Induced	26	2,231	3,600	5,660	310
<b>Total</b>	<b>45</b>	<b>6,134</b>	<b>8,635</b>	<b>14,873</b>	<b>451</b>
<i>Multiplier</i>	2.3	1.6	1.7	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 128: Summary of Procurement Component of NASA Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	822	125,806	161,938	260,513	7,436
Indirect	593	69,444	100,069	166,290	6,075
Induced	1,287	105,745	172,008	276,690	15,064
<b>Total</b>	<b>2,702</b>	<b>300,996</b>	<b>434,015</b>	<b>703,493</b>	<b>28,574</b>
<i>Multiplier</i>	3.3	2.4	2.7	2.7	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 129: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	951	1,410	2,580	34
Indirect	0	0	0	0	0
Induced	6	556	883	1,347	74
<b>Total</b>	<b>12</b>	<b>1,507</b>	<b>2,293</b>	<b>3,926</b>	<b>108</b>
<i>Multiplier</i>	2.1	1.6	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 130: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Massachusetts**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	64	7,585	10,603	17,584	556
Indirect	38	4,681	6,701	11,264	413
Induced	78	6,612	10,704	16,934	922
<b>Total</b>	<b>181</b>	<b>18,878</b>	<b>28,007</b>	<b>45,782</b>	<b>1,891</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.5</i>	<i>2.6</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 131: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	568	796	1,456	21
Indirect	0	0	0	0	0
Induced	4	324	518	846	46
<b>Total</b>	<b>7</b>	<b>893</b>	<b>1,314</b>	<b>2,302</b>	<b>67</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.6</i>	<i>1.7</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 132: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	222	33,704	44,575	72,768	2,025
Indirect	173	19,768	28,122	47,638	1,756
Induced	357	28,780	46,961	77,212	4,204
<b>Total</b>	<b>752</b>	<b>82,252</b>	<b>119,657</b>	<b>197,618</b>	<b>7,985</b>
<i>Multiplier</i>	<i>3.4</i>	<i>2.4</i>	<i>2.7</i>	<i>2.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Michigan

## NASA

Table 133: Summary of Employment Component of NASA Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	21	2,901	5,263	9,632	71
Indirect	0	0	0	0	0
Induced	23	1,510	2,579	4,843	274
<b>Total</b>	<b>44</b>	<b>4,411</b>	<b>7,842</b>	<b>14,475</b>	<b>345</b>
<i>Multiplier</i>	2.1	1.5	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 134: Summary of Procurement Component of NASA Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	273	26,207	33,232	63,385	1,307
Indirect	235	18,936	27,075	54,063	1,550
Induced	360	22,050	38,082	72,346	4,070
<b>Total</b>	<b>868</b>	<b>67,193</b>	<b>98,389</b>	<b>189,794</b>	<b>6,928</b>
<i>Multiplier</i>	3.2	2.6	3.0	3.0	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 135: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	640	1,186	2,169	16
Indirect	0	0	0	0	0
Induced	5	327	555	1,016	57
<b>Total</b>	<b>10</b>	<b>967</b>	<b>1,740</b>	<b>3,186</b>	<b>73</b>
<i>Multiplier</i>	2.1	1.5	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 136: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Michigan**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	26	2,347	3,077	5,374	125
Indirect	18	1,495	2,165	4,219	119
Induced	30	1,902	3,270	6,123	345
<b>Total</b>	<b>75</b>	<b>5,743</b>	<b>8,512</b>	<b>15,716</b>	<b>588</b>
<i>Multiplier</i>	2.8	2.4	2.8	2.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 137: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	289	369	676	7
Indirect	0	0	0	0	0
Induced	3	154	264	511	29
<b>Total</b>	<b>4</b>	<b>443</b>	<b>634</b>	<b>1,187</b>	<b>36</b>
<i>Multiplier</i>	2.8	1.5	1.7	1.8	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 138: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	119	11,850	15,234	27,931	563
Indirect	110	8,494	12,134	24,251	680
Induced	169	10,132	17,597	34,224	1,926
<b>Total</b>	<b>397</b>	<b>30,476</b>	<b>44,966</b>	<b>86,405</b>	<b>3,169</b>
<i>Multiplier</i>	3.3	2.6	3.0	3.1	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Minnesota

## NASA

Table 139: Summary of Employment Component of NASA Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	14	2,051	3,685	6,744	74
Indirect	0	0	0	0	0
Induced	16	1,166	1,972	3,557	230
<b>Total</b>	<b>31</b>	<b>3,217</b>	<b>5,657</b>	<b>10,301</b>	<b>304</b>
<i>Multiplier</i>	2.1	1.6	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 140: Summary of Procurement Component of NASA Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	93	7,815	10,231	19,777	583
Indirect	70	6,178	9,182	17,659	704
Induced	106	7,283	12,488	22,745	1,463
<b>Total</b>	<b>269</b>	<b>21,276</b>	<b>31,901</b>	<b>60,181</b>	<b>2,750</b>
<i>Multiplier</i>	2.9	2.7	3.1	3.0	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 141: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	592	933	1,707	21
Indirect	0	0	0	0	0
Induced	4	331	558	980	63
<b>Total</b>	<b>8</b>	<b>923</b>	<b>1,491</b>	<b>2,687</b>	<b>85</b>
<i>Multiplier</i>	2.2	1.6	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 142: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Minnesota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	810	1,125	2,682	74
Indirect	11	1,003	1,511	2,929	117
Induced	13	889	1,524	2,732	176
<b>Total</b>	<b>35</b>	<b>2,703</b>	<b>4,160</b>	<b>8,343</b>	<b>367</b>
<i>Multiplier</i>	<i>3.0</i>	<i>3.3</i>	<i>3.7</i>	<i>3.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 143: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	220	508	930	8
Indirect	0	0	0	0	0
Induced	2	129	216	404	26
<b>Total</b>	<b>4</b>	<b>349</b>	<b>725</b>	<b>1,334</b>	<b>34</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.6</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 144: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	1,604	2,068	4,072	116
Indirect	15	1,298	1,938	3,804	151
Induced	23	1,505	2,575	4,787	310
<b>Total</b>	<b>55</b>	<b>4,407</b>	<b>6,580</b>	<b>12,663</b>	<b>577</b>
<i>Multiplier</i>	<i>3.2</i>	<i>2.7</i>	<i>3.2</i>	<i>3.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Mississippi

## NASA

Table 145: Summary of Employment Component of NASA Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	279	47,585	71,620	131,063	919
Indirect	0	0	0	0	0
Induced	301	14,263	27,532	54,331	3,736
<b>Total</b>	<b>580</b>	<b>61,848</b>	<b>99,152</b>	<b>185,394</b>	<b>4,655</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.3</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 146: Summary of Procurement Component of NASA Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,781	101,841	137,001	303,327	8,578
Indirect	958	46,879	80,587	195,569	7,573
Induced	961	43,704	85,124	170,149	11,639
<b>Total</b>	<b>3,700</b>	<b>192,424</b>	<b>302,713</b>	<b>669,044</b>	<b>27,791</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.9</i>	<i>2.2</i>	<i>2.2</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 147: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	35	6,007	8,896	16,280	116
Indirect	0	0	0	0	0
Induced	36	1,735	3,338	6,408	441
<b>Total</b>	<b>70</b>	<b>7,742</b>	<b>12,234</b>	<b>22,687</b>	<b>557</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.3</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 148: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Mississippi**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	267	16,880	25,601	61,388	1,287
Indirect	198	10,345	17,965	49,924	1,877
Induced	156	7,262	14,101	27,782	1,901
<b>Total</b>	<b>621</b>	<b>34,488</b>	<b>57,667</b>	<b>139,094</b>	<b>5,065</b>
<i>Multiplier</i>	<i>2.3</i>	<i>2.0</i>	<i>2.3</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 149: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	415	560	1,024	8
Indirect	0	0	0	0	0
Induced	3	131	251	520	36
<b>Total</b>	<b>5</b>	<b>546</b>	<b>811</b>	<b>1,544</b>	<b>44</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.3</i>	<i>1.4</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 150: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	139	7,540	9,248	19,785	551
Indirect	69	3,030	4,977	11,261	386
Induced	73	3,266	6,397	13,227	905
<b>Total</b>	<b>281</b>	<b>13,837</b>	<b>20,623</b>	<b>44,273</b>	<b>1,841</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.8</i>	<i>2.2</i>	<i>2.2</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Missouri

## NASA

Table 151: Summary of Employment Component of NASA Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	1,996	3,296	6,031	49
Indirect	0	0	0	0	0
Induced	15	902	1,595	2,907	150
<b>Total</b>	<b>27</b>	<b>2,898</b>	<b>4,891</b>	<b>8,938</b>	<b>199</b>
<i>Multiplier</i>	2.1	1.5	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 152: Summary of Procurement Component of NASA Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	117	10,519	14,771	28,200	619
Indirect	95	6,979	10,867	21,203	539
Induced	129	7,560	13,532	24,930	1,280
<b>Total</b>	<b>341</b>	<b>25,057</b>	<b>39,170</b>	<b>74,333</b>	<b>2,439</b>
<i>Multiplier</i>	2.9	2.4	2.7	2.6	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 153: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	344	507	927	9
Indirect	0	0	0	0	0
Induced	2	152	269	478	25
<b>Total</b>	<b>4</b>	<b>496</b>	<b>775</b>	<b>1,406</b>	<b>33</b>
<i>Multiplier</i>	2.3	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 154: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Missouri**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	1,049	1,386	2,631	56
Indirect	9	663	1,040	1,988	50
Induced	12	740	1,323	2,403	123
<b>Total</b>	<b>33</b>	<b>2,451</b>	<b>3,749</b>	<b>7,023</b>	<b>229</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.3</i>	<i>2.7</i>	<i>2.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 155: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	95	208	381	2
Indirect	0	0	0	0	0
Induced	1	45	78	147	8
<b>Total</b>	<b>2</b>	<b>140</b>	<b>286</b>	<b>528</b>	<b>10</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 156: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	33	2,974	3,977	7,847	164
Indirect	28	1,974	3,097	6,228	160
Induced	37	2,146	3,852	7,253	372
<b>Total</b>	<b>98</b>	<b>7,095</b>	<b>10,927</b>	<b>21,327</b>	<b>696</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.4</i>	<i>2.7</i>	<i>2.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Montana

### NASA

**Table 157: Summary of Employment Component of NASA Impacts by Types of Impact, Montana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	383	780	1,427	16
Indirect	0	0	0	0	0
Induced	3	154	260	496	23
<b>Total</b>	<b>6</b>	<b>537</b>	<b>1,040</b>	<b>1,924</b>	<b>39</b>
<i>Multiplier</i>	1.9	1.4	1.3	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 158: Summary of Procurement Component of NASA Impacts by Types of Impact, Montana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	57	4,631	5,586	12,485	278
Indirect	42	2,479	3,824	8,191	212
Induced	53	2,822	4,781	9,229	424
<b>Total</b>	<b>151</b>	<b>9,933</b>	<b>14,190</b>	<b>29,904</b>	<b>914</b>
<i>Multiplier</i>	2.7	2.1	2.5	2.4	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

### Moon to Mars Campaign

**Table 159: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Montana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 160: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Montana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	63	76	166	4
Indirect	1	34	53	111	3
Induced	1	38	64	122	6
<b>Total</b>	<b>2</b>	<b>135</b>	<b>193</b>	<b>399</b>	<b>12</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.1</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 161: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 162: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	1,657	2,062	4,524	103
Indirect	15	873	1,332	2,900	76
Induced	19	1,004	1,714	3,390	156
<b>Total</b>	<b>54</b>	<b>3,534</b>	<b>5,109</b>	<b>10,814</b>	<b>335</b>
<i>Multiplier</i>	<i>2.7</i>	<i>2.1</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Nebraska

## NASA

Table 163: Summary of Employment Component of NASA Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	301	531	972	7
Indirect	0	0	0	0	0
Induced	2	116	223	394	20
<b>Total</b>	<b>4</b>	<b>418</b>	<b>754</b>	<b>1,366</b>	<b>27</b>
<i>Multiplier</i>	2.0	1.4	1.4	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 164: Summary of Procurement Component of NASA Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	966	1,462	2,590	71
Indirect	7	506	825	1,588	48
Induced	9	543	1,039	1,859	92
<b>Total</b>	<b>29</b>	<b>2,015</b>	<b>3,327</b>	<b>6,036</b>	<b>211</b>
<i>Multiplier</i>	2.4	2.1	2.3	2.3	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 165: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	119	175	321	3
Indirect	0	0	0	0	0
Induced	1	45	85	148	7
<b>Total</b>	<b>1</b>	<b>163</b>	<b>261</b>	<b>469</b>	<b>10</b>
<i>Multiplier</i>	2.1	1.4	1.5	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 166: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Nebraska**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	65	82	137	5
Indirect	<1	20	36	71	2
Induced	1	33	63	111	5
<b>Total</b>	<b>2</b>	<b>118</b>	<b>180</b>	<b>318</b>	<b>13</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.8</i>	<i>2.2</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 167: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 168: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	176	260	479	16
Indirect	1	88	149	290	10
Induced	2	97	187	340	17
<b>Total</b>	<b>6</b>	<b>361</b>	<b>595</b>	<b>1,109</b>	<b>43</b>
<i>Multiplier</i>	<i>2.3</i>	<i>2.1</i>	<i>2.3</i>	<i>2.3</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Nevada

## NASA

Table 169: Summary of Employment Component of NASA Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	1,016	1,482	2,712	2
Indirect	0	0	0	0	0
Induced	7	407	789	1,301	79
<b>Total</b>	<b>12</b>	<b>1,423</b>	<b>2,271</b>	<b>4,013</b>	<b>82</b>
<i>Multiplier</i>	2.1	1.4	1.5	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 170: Summary of Procurement Component of NASA Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	269	31,054	44,380	48,155	144
Indirect	25	1,741	2,901	5,347	142
Induced	247	14,650	28,709	48,092	2,919
<b>Total</b>	<b>541</b>	<b>47,445</b>	<b>75,990</b>	<b>101,594</b>	<b>3,206</b>
<i>Multiplier</i>	2.0	1.5	1.7	2.1	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 171: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	10	32	59	0
Indirect	0	0	0	0	0
Induced	0	4	7	12	1
<b>Total</b>	<b>0</b>	<b>14</b>	<b>40</b>	<b>71</b>	<b>1</b>
<i>Multiplier</i>	1.5	1.4	1.2	1.2	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 172: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Nevada**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	211	29,450	40,160	39,992	61
Indirect	-2	-112	-178	-331	-6
Induced	212	12,856	25,052	41,563	2,523
<b>Total</b>	<b>422</b>	<b>42,194</b>	<b>65,034</b>	<b>81,223</b>	<b>2,577</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.6</i>	<i>2.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 173: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	415	513	940	1
Indirect	0	0	0	0	0
Induced	3	169	329	558	34
<b>Total</b>	<b>5</b>	<b>584</b>	<b>842</b>	<b>1,498</b>	<b>35</b>
<i>Multiplier</i>	<i>2.5</i>	<i>1.4</i>	<i>1.6</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 174: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	100	12,565	16,884	17,735	45
Indirect	6	395	657	1,243	31
Induced	96	5,575	10,974	18,652	1,132
<b>Total</b>	<b>202</b>	<b>18,536</b>	<b>28,514</b>	<b>37,630</b>	<b>1,208</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.7</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## New Hampshire

## NASA

Table 175: Summary of Employment Component of NASA Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	1,014	1,333	2,439	3
Indirect	0	0	0	0	0
Induced	6	451	752	1,210	62
<b>Total</b>	<b>11</b>	<b>1,466</b>	<b>2,085</b>	<b>3,649</b>	<b>66</b>
<i>Multiplier</i>	2.1	1.4	1.6	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 176: Summary of Procurement Component of NASA Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	241	26,697	33,061	62,282	1,387
Indirect	190	16,753	24,708	44,060	1,592
Induced	261	18,804	31,795	52,034	2,671
<b>Total</b>	<b>692</b>	<b>62,253</b>	<b>89,564</b>	<b>158,377</b>	<b>5,649</b>
<i>Multiplier</i>	2.9	2.3	2.7	2.5	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 177: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	99	151	276	<1
Indirect	0	0	0	0	0
Induced	1	44	73	114	6
<b>Total</b>	<b>1</b>	<b>143</b>	<b>223</b>	<b>390</b>	<b>6</b>
<i>Multiplier</i>	2.0	1.4	1.5	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 178: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Hampshire**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	18	2,087	2,601	4,844	111
Indirect	14	1,309	1,939	3,372	121
Induced	20	1,456	2,446	3,947	203
<b>Total</b>	<b>51</b>	<b>4,853</b>	<b>6,986</b>	<b>12,163</b>	<b>434</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.3</i>	<i>2.7</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 179: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	30	46	84	<1
Indirect	0	0	0	0	0
Induced	<1	13	22	37	2
<b>Total</b>	<b>&lt;1</b>	<b>43</b>	<b>68</b>	<b>121</b>	<b>2</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.5</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 180: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	146	16,514	20,959	38,355	839
Indirect	120	10,343	15,241	27,477	998
Induced	165	11,616	19,744	32,800	1,683
<b>Total</b>	<b>431</b>	<b>38,473</b>	<b>55,944</b>	<b>98,633</b>	<b>3,521</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.3</i>	<i>2.7</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## New Jersey

## NASA

Table 181: Summary of Employment Component of NASA Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	23	3,895	5,783	10,582	100
Indirect	0	0	0	0	0
Induced	24	1,937	3,182	5,228	391
<b>Total</b>	<b>46</b>	<b>5,832</b>	<b>8,965</b>	<b>15,810</b>	<b>492</b>
<i>Multiplier</i>	2.1	1.5	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 182: Summary of Procurement Component of NASA Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	179	22,569	29,461	49,248	1,885
Indirect	130	13,147	18,934	34,108	1,719
Induced	216	16,638	27,518	45,909	3,418
<b>Total</b>	<b>525</b>	<b>52,355</b>	<b>75,914</b>	<b>129,264</b>	<b>7,022</b>
<i>Multiplier</i>	2.9	2.3	2.6	2.6	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 183: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	455	818	1,497	12
Indirect	0	0	0	0	0
Induced	3	231	369	594	44
<b>Total</b>	<b>6</b>	<b>686</b>	<b>1,187</b>	<b>2,091</b>	<b>56</b>
<i>Multiplier</i>	1.9	1.5	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 184: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Jersey**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	33	3,344	4,461	7,478	293
Indirect	17	1,739	2,581	4,854	258
Induced	30	2,374	3,901	6,430	479
<b>Total</b>	<b>80</b>	<b>7,457</b>	<b>10,943</b>	<b>18,761</b>	<b>1,030</b>
<i>Multiplier</i>	2.4	2.2	2.5	2.5	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 185: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	328	484	886	8
Indirect	0	0	0	0	0
Induced	2	166	269	455	34
<b>Total</b>	<b>4</b>	<b>493</b>	<b>753</b>	<b>1,341</b>	<b>43</b>
<i>Multiplier</i>	2.2	1.5	1.6	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 186: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	35	4,237	5,534	9,125	362
Indirect	24	2,381	3,451	6,209	308
Induced	41	3,128	5,230	8,890	662
<b>Total</b>	<b>101</b>	<b>9,746</b>	<b>14,215</b>	<b>24,225</b>	<b>1,332</b>
<i>Multiplier</i>	2.9	2.3	2.6	2.7	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## New Mexico

## NASA

Table 187: Summary of Employment Component of NASA Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	85	15,422	21,784	39,864	212
Indirect	0	0	0	0	0
Induced	93	4,937	9,516	17,228	1,036
<b>Total</b>	<b>177</b>	<b>20,360</b>	<b>31,300</b>	<b>57,092</b>	<b>1,248</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.3</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 188: Summary of Procurement Component of NASA Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	731	63,896	88,382	146,523	3,611
Indirect	292	19,726	31,830	62,476	2,015
Induced	535	27,065	52,696	96,314	5,767
<b>Total</b>	<b>1,557</b>	<b>110,687</b>	<b>172,908</b>	<b>305,313</b>	<b>11,394</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.7</i>	<i>2.0</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 189: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,544	2,220	4,063	21
Indirect	0	0	0	0	0
Induced	9	485	920	1,638	99
<b>Total</b>	<b>17</b>	<b>2,029</b>	<b>3,140</b>	<b>5,701</b>	<b>120</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.3</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 190: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Mexico**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	92	10,826	17,130	25,661	512
Indirect	43	3,098	4,791	9,263	267
Induced	88	4,549	8,701	15,770	944
<b>Total</b>	<b>222</b>	<b>18,473</b>	<b>30,622</b>	<b>50,694</b>	<b>1,723</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.7</i>	<i>1.8</i>	<i>2.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 191: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	226	286	524	3
Indirect	0	0	0	0	0
Induced	2	75	151	273	16
<b>Total</b>	<b>3</b>	<b>301</b>	<b>438</b>	<b>797</b>	<b>20</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.3</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 192: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	333	22,099	26,192	43,690	1,299
Indirect	94	5,737	9,349	18,571	667
Induced	177	8,783	17,436	32,311	1,935
<b>Total</b>	<b>604</b>	<b>36,620</b>	<b>52,978</b>	<b>94,572</b>	<b>3,901</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.7</i>	<i>2.0</i>	<i>2.2</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## New York

## NASA

Table 193: Summary of Employment Component of NASA Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	54	9,841	13,824	25,297	495
Indirect	0	0	0	0	0
Induced	55	4,918	8,473	12,727	977
<b>Total</b>	<b>109</b>	<b>14,760</b>	<b>22,297</b>	<b>38,025</b>	<b>1,472</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 194: Summary of Procurement Component of NASA Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	651	82,460	110,116	182,942	7,273
Indirect	470	50,533	79,504	130,227	6,350
Induced	745	62,344	108,350	166,149	12,687
<b>Total</b>	<b>1,866</b>	<b>195,336</b>	<b>297,970</b>	<b>479,318</b>	<b>26,310</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.4</i>	<i>2.7</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 195: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	443	839	1,536	22
Indirect	0	0	0	0	0
Induced	3	225	386	563	43
<b>Total</b>	<b>6</b>	<b>668</b>	<b>1,225</b>	<b>2,099</b>	<b>65</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.5</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 196: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New York**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	55	6,836	9,517	15,775	653
Indirect	32	3,627	5,686	9,970	500
Induced	57	4,989	8,598	13,004	993
<b>Total</b>	<b>145</b>	<b>15,451</b>	<b>23,801</b>	<b>38,749</b>	<b>2,146</b>
<i>Multiplier</i>	<i>2.6</i>	<i>2.3</i>	<i>2.5</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 197: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	23	4,792	5,976	10,936	241
Indirect	0	0	0	0	0
Induced	28	2,375	4,063	6,339	487
<b>Total</b>	<b>51</b>	<b>7,168</b>	<b>10,039</b>	<b>17,275</b>	<b>728</b>
<i>Multiplier</i>	<i>2.2</i>	<i>1.5</i>	<i>1.7</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 198: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	148	18,607	24,849	40,012	1,622
Indirect	105	10,955	17,194	28,435	1,369
Induced	170	13,918	24,354	38,066	2,907
<b>Total</b>	<b>423</b>	<b>43,480</b>	<b>66,398</b>	<b>106,513</b>	<b>5,898</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.3</i>	<i>2.7</i>	<i>2.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## North Carolina

## NASA

Table 199: Summary of Employment Component of NASA Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	42	8,057	10,857	19,868	226
Indirect	0	0	0	0	0
Induced	60	3,834	6,875	12,479	688
<b>Total</b>	<b>102</b>	<b>11,891</b>	<b>17,732</b>	<b>32,347</b>	<b>913</b>
<i>Multiplier</i>	2.4	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 200: Summary of Procurement Component of NASA Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	482	33,692	42,234	63,413	2,319
Indirect	168	11,503	18,796	38,642	1,260
Induced	343	20,968	37,924	69,779	3,828
<b>Total</b>	<b>992</b>	<b>66,163</b>	<b>98,954</b>	<b>171,834</b>	<b>7,407</b>
<i>Multiplier</i>	2.1	2.0	2.3	2.7	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 201: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	1,087	1,509	2,761	30
Indirect	0	0	0	0	0
Induced	8	502	909	1,602	88
<b>Total</b>	<b>13</b>	<b>1,588</b>	<b>2,418</b>	<b>4,363</b>	<b>119</b>
<i>Multiplier</i>	2.3	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 202: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, North Carolina**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	25	1,564	1,986	2,739	116
Indirect	6	387	674	1,389	41
Induced	15	930	1,685	3,055	168
<b>Total</b>	<b>46</b>	<b>2,881</b>	<b>4,346</b>	<b>7,184</b>	<b>325</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.8</i>	<i>2.2</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 203: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	357	515	943	10
Indirect	0	0	0	0	0
Induced	3	176	309	583	32
<b>Total</b>	<b>5</b>	<b>533</b>	<b>825</b>	<b>1,526</b>	<b>42</b>
<i>Multiplier</i>	<i>2.5</i>	<i>1.5</i>	<i>1.6</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 204: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	147	10,157	12,579	20,190	641
Indirect	59	4,136	6,792	14,222	508
Induced	111	6,675	12,077	22,761	1,249
<b>Total</b>	<b>317</b>	<b>20,967</b>	<b>31,448</b>	<b>57,173</b>	<b>2,397</b>
<i>Multiplier</i>	<i>2.2</i>	<i>2.1</i>	<i>2.5</i>	<i>2.8</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## North Dakota

## NASA

Table 205: Summary of Employment Component of NASA Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	13	49	90	<1
Indirect	0	0	0	0	0
Induced	<1	4	7	14	<1
<b>Total</b>	<b>&lt;1</b>	<b>17</b>	<b>57</b>	<b>104</b>	<b>1</b>
<i>Multiplier</i>	<i>1.4</i>	<i>1.3</i>	<i>1.1</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 206: Summary of Procurement Component of NASA Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	548	723	1,514	22
Indirect	4	236	363	751	11
Induced	5	268	462	870	24
<b>Total</b>	<b>15</b>	<b>1,052</b>	<b>1,549</b>	<b>3,135</b>	<b>58</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.9</i>	<i>2.1</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 207: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	13	49	90	<1
Indirect	0	0	0	0	0
Induced	<1	4	7	13	<1
<b>Total</b>	<b>&lt;1</b>	<b>17</b>	<b>56</b>	<b>103</b>	<b>1</b>
<i>Multiplier</i>	<i>1.3</i>	<i>1.3</i>	<i>1.1</i>	<i>1.1</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 208: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, North Dakota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	40	53	108	2
Indirect	0	17	26	53	1
Induced	<1	19	34	63	2
<b>Total</b>	<b>1</b>	<b>76</b>	<b>112</b>	<b>223</b>	<b>4</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.9</i>	<i>2.1</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 209: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 210: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	258	350	716	11
Indirect	2	112	172	361	6
Induced	2	125	218	419	12
<b>Total</b>	<b>7</b>	<b>496</b>	<b>740</b>	<b>1,496</b>	<b>28</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.9</i>	<i>2.1</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Ohio

## NASA

Table 211: Summary of Employment Component of NASA Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,527	277,627	392,044	717,431	7,830
Indirect	0	0	0	0	0
Induced	2,279	141,851	260,019	476,753	27,094
<b>Total</b>	<b>3,806</b>	<b>419,478</b>	<b>652,062</b>	<b>1,194,184</b>	<b>34,924</b>
<i>Multiplier</i>	2.5	1.5	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 212: Summary of Procurement Component of NASA Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,939	178,074	231,459	427,570	11,608
Indirect	1,337	99,601	165,733	328,816	11,720
Induced	2,275	134,970	249,349	461,896	26,111
<b>Total</b>	<b>5,551</b>	<b>412,645</b>	<b>646,541</b>	<b>1,218,282</b>	<b>49,439</b>
<i>Multiplier</i>	2.9	2.3	2.8	2.8	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 213: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	316	56,516	81,043	148,306	1,594
Indirect	0	0	0	0	0
Induced	440	28,166	51,398	92,060	5,232
<b>Total</b>	<b>755</b>	<b>84,682</b>	<b>132,441</b>	<b>240,367</b>	<b>6,826</b>
<i>Multiplier</i>	2.4	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 214: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Ohio**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	206	21,291	27,913	57,143	1,230
Indirect	202	16,256	25,263	47,937	1,421
Induced	299	17,997	33,167	60,655	3,429
<b>Total</b>	<b>707</b>	<b>55,544</b>	<b>86,344</b>	<b>165,735</b>	<b>6,080</b>
<i>Multiplier</i>	<i>3.4</i>	<i>2.6</i>	<i>3.1</i>	<i>2.9</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 215: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	303	52,078	77,715	142,217	1,469
Indirect	0	0	0	0	0
Induced	456	27,207	49,933	94,256	5,357
<b>Total</b>	<b>758</b>	<b>79,285</b>	<b>127,648</b>	<b>236,473</b>	<b>6,825</b>
<i>Multiplier</i>	<i>2.5</i>	<i>1.5</i>	<i>1.6</i>	<i>1.7</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 216: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	442	39,431	49,635	93,247	2,288
Indirect	310	22,188	37,287	76,150	2,697
Induced	519	30,249	56,334	106,917	6,044
<b>Total</b>	<b>1,271</b>	<b>91,869</b>	<b>143,255</b>	<b>276,315</b>	<b>11,029</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.3</i>	<i>2.9</i>	<i>3.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Oklahoma

## NASA

Table 217: Summary of Employment Component of NASA Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	1,798	3,268	5,980	37
Indirect	0	0	0	0	0
Induced	12	687	1,245	2,425	126
<b>Total</b>	<b>25</b>	<b>2,485</b>	<b>4,513</b>	<b>8,406</b>	<b>163</b>
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 218: Summary of Procurement Component of NASA Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	187	15,141	19,512	42,153	696
Indirect	133	8,213	12,752	27,357	721
Induced	162	8,724	16,042	31,507	1,634
<b>Total</b>	<b>481</b>	<b>32,077</b>	<b>48,306</b>	<b>101,017</b>	<b>3,050</b>
<i>Multiplier</i>	<i>2.6</i>	<i>2.1</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 219: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	188	257	470	4
Indirect	0	0	0	0	0
Induced	1	70	127	242	13
<b>Total</b>	<b>2</b>	<b>258</b>	<b>384</b>	<b>712</b>	<b>17</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.4</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 220: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Oklahoma**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	130	177	396	5
Indirect	1	68	111	252	8
Induced	1	71	133	257	13
<b>Total</b>	<b>3</b>	<b>268</b>	<b>421</b>	<b>906</b>	<b>26</b>
<i>Multiplier</i>	3.2	2.1	2.4	2.3	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 221: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	233	600	1,098	5
Indirect	0	0	0	0	0
Induced	2	99	177	348	18
<b>Total</b>	<b>4</b>	<b>333</b>	<b>777</b>	<b>1,445</b>	<b>23</b>
<i>Multiplier</i>	1.8	1.4	1.3	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 222: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	122	10,155	13,421	27,904	461
Indirect	97	5,742	8,871	19,195	484
Induced	114	6,037	11,198	22,411	1,162
<b>Total</b>	<b>332</b>	<b>21,934</b>	<b>33,491</b>	<b>69,510</b>	<b>2,107</b>
<i>Multiplier</i>	2.7	2.2	2.5	2.5	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Oregon

## NASA

Table 223: Summary of Employment Component of NASA Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10	1,791	2,464	4,508	82
Indirect	0	0	0	0	0
Induced	12	838	1,422	2,476	138
<b>Total</b>	<b>22</b>	<b>2,628</b>	<b>3,885</b>	<b>6,984</b>	<b>220</b>
<i>Multiplier</i>	2.3	1.5	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 224: Summary of Procurement Component of NASA Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	74	7,496	10,770	18,563	689
Indirect	54	4,390	6,664	12,370	479
Induced	83	5,308	9,126	16,057	891
<b>Total</b>	<b>211</b>	<b>17,193</b>	<b>26,559</b>	<b>46,990</b>	<b>2,058</b>
<i>Multiplier</i>	2.9	2.3	2.5	2.5	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 225: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	124	146	267	6
Indirect	0	0	0	0	0
Induced	1	58	97	165	9
<b>Total</b>	<b>1</b>	<b>182</b>	<b>242</b>	<b>432</b>	<b>15</b>
<i>Multiplier</i>	2.6	1.5	1.7	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 226: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Oregon**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	365	590	1,041	39
Indirect	3	250	382	704	27
Induced	4	269	459	798	44
<b>Total</b>	<b>11</b>	<b>884</b>	<b>1,432</b>	<b>2,543</b>	<b>111</b>
<i>Multiplier</i>	<i>2.7</i>	<i>2.4</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 227: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	361	572	1,047	17
Indirect	0	0	0	0	0
Induced	3	171	293	525	29
<b>Total</b>	<b>5</b>	<b>532</b>	<b>865</b>	<b>1,572</b>	<b>46</b>
<i>Multiplier</i>	<i>2.2</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 228: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	40	4,193	6,268	10,547	398
Indirect	32	2,554	3,868	7,239	271
Induced	49	3,059	5,299	9,499	527
<b>Total</b>	<b>120</b>	<b>9,807</b>	<b>15,435</b>	<b>27,285</b>	<b>1,196</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.3</i>	<i>2.5</i>	<i>2.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Pennsylvania

### NASA

**Table 229: Summary of Employment Component of NASA Impacts by Types of Impact, Pennsylvania**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	42	7,941	10,802	19,766	213
Indirect	0	0	0	0	0
Induced	63	4,547	7,357	12,865	757
<b>Total</b>	<b>105</b>	<b>12,488</b>	<b>18,158</b>	<b>32,632</b>	<b>971</b>
<i>Multiplier</i>	2.5	1.6	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 230: Summary of Procurement Component of NASA Impacts by Types of Impact, Pennsylvania**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	497	58,910	74,988	131,600	3,078
Indirect	399	36,438	52,386	96,220	3,654
Induced	749	51,144	84,107	148,597	8,701
<b>Total</b>	<b>1,644</b>	<b>146,492</b>	<b>211,481</b>	<b>376,417</b>	<b>15,433</b>
<i>Multiplier</i>	3.3	2.5	2.8	2.9	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

### Moon to Mars Campaign

**Table 231: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Pennsylvania**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	361	436	797	10
Indirect	0	0	0	0	0
Induced	3	211	332	567	33
<b>Total</b>	<b>5</b>	<b>572</b>	<b>767</b>	<b>1,364</b>	<b>43</b>
<i>Multiplier</i>	2.7	1.6	1.8	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 232: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Pennsylvania**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	294	36,786	46,214	79,578	1,810
Indirect	234	22,292	32,042	57,313	2,146
Induced	456	31,977	51,970	90,673	5,309
<b>Total</b>	<b>985</b>	<b>91,055</b>	<b>130,226</b>	<b>227,564</b>	<b>9,266</b>
<i>Multiplier</i>	3.3	2.5	2.8	2.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 233: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,438	3,259	5,964	66
Indirect	0	0	0	0	0
Induced	20	1,411	2,302	4,130	243
<b>Total</b>	<b>33</b>	<b>3,849</b>	<b>5,561</b>	<b>10,094</b>	<b>309</b>
<i>Multiplier</i>	2.6	1.6	1.7	1.7	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 234: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	91	15,875	19,256	22,449	536
Indirect	70	9,471	13,748	16,922	650
Induced	130	14,309	23,994	26,338	1,542
<b>Total</b>	<b>291</b>	<b>39,655</b>	<b>56,998</b>	<b>65,709</b>	<b>2,728</b>
<i>Multiplier</i>	3.2	2.5	3.0	2.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Rhode Island

## NASA

Table 235: Summary of Employment Component of NASA Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	518	655	1,198	15
Indirect	0	0	0	0	0
Induced	3	207	355	592	41
<b>Total</b>	<b>6</b>	<b>725</b>	<b>1,010</b>	<b>1,790</b>	<b>56</b>
<i>Multiplier</i>	2.3	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 236: Summary of Procurement Component of NASA Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	32	2,890	3,823	7,715	206
Indirect	25	1,933	2,905	5,422	193
Induced	30	1,876	3,275	5,522	381
<b>Total</b>	<b>87</b>	<b>6,699</b>	<b>10,003</b>	<b>18,660</b>	<b>780</b>
<i>Multiplier</i>	2.8	2.3	2.6	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 237: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	6	17	31	<1
Indirect	0	0	0	0	0
Induced	<1	3	4	7	<1
<b>Total</b>	<b>&lt;1</b>	<b>9</b>	<b>21</b>	<b>38</b>	<b>1</b>
<i>Multiplier</i>	1.6	1.4	1.2	1.2	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 238: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Rhode Island**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	367	466	890	24
Indirect	3	219	326	590	22
Induced	4	229	393	658	45
<b>Total</b>	<b>10</b>	<b>815</b>	<b>1,185</b>	<b>2,138</b>	<b>91</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.2</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 239: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	9	20	36	<1
Indirect	0	0	0	0	0
Induced	<1	3	6	10	1
<b>Total</b>	<b>&lt;1</b>	<b>12</b>	<b>26</b>	<b>46</b>	<b>1</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.4</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 240: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	792	1,079	2,119	57
Indirect	7	528	798	1,510	53
Induced	8	512	914	1,547	107
<b>Total</b>	<b>24</b>	<b>1,832</b>	<b>2,790</b>	<b>5,176</b>	<b>217</b>
<i>Multiplier</i>	<i>2.8</i>	<i>2.3</i>	<i>2.6</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## South Carolina

## NASA

Table 241: Summary of Employment Component of NASA Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	3,059	4,452	8,148	73
Indirect	0	0	0	0	0
Induced	21	1,141	2,179	4,025	273
<b>Total</b>	<b>38</b>	<b>4,200</b>	<b>6,631</b>	<b>12,173</b>	<b>346</b>
<i>Multiplier</i>	2.2	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 242: Summary of Procurement Component of NASA Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	48	4,366	5,325	10,719	220
Indirect	42	2,703	4,020	8,399	246
Induced	48	2,507	4,861	9,101	615
<b>Total</b>	<b>138</b>	<b>9,577</b>	<b>14,206</b>	<b>28,219</b>	<b>1,081</b>
<i>Multiplier</i>	2.9	2.2	2.7	2.6	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 243: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	212	332	607	5
Indirect	0	0	0	0	0
Induced	1	82	160	288	20
<b>Total</b>	<b>3</b>	<b>294</b>	<b>491</b>	<b>895</b>	<b>25</b>
<i>Multiplier</i>	2.1	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 244: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, South Carolina**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	248	363	876	16
Indirect	4	268	417	855	26
Induced	3	188	390	718	48
<b>Total</b>	<b>10</b>	<b>703</b>	<b>1,171</b>	<b>2,448</b>	<b>90</b>
<i>Multiplier</i>	<i>4.0</i>	<i>2.8</i>	<i>3.2</i>	<i>2.8</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 245: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	249	257	470	6
Indirect	0	0	0	0	0
Induced	2	95	182	347	24
<b>Total</b>	<b>3</b>	<b>345</b>	<b>438</b>	<b>816</b>	<b>30</b>
<i>Multiplier</i>	<i>2.9</i>	<i>1.4</i>	<i>1.7</i>	<i>1.7</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 246: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	98	144	332	8
Indirect	1	93	137	287	9
Induced	1	65	124	238	16
<b>Total</b>	<b>4</b>	<b>255</b>	<b>405</b>	<b>858</b>	<b>33</b>
<i>Multiplier</i>	<i>3.4</i>	<i>2.6</i>	<i>2.8</i>	<i>2.6</i>	<i>n.a.</i>

## South Dakota

## NASA

Table 247: Summary of Employment Component of NASA Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	820	1,027	1,879	3
Indirect	0	0	0	0	0
Induced	5	324	559	1,007	41
<b>Total</b>	<b>9</b>	<b>1,144</b>	<b>1,585</b>	<b>2,886</b>	<b>44</b>
<i>Multiplier</i>	2.3	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 248: Summary of Procurement Component of NASA Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	127	12,783	19,416	21,787	179
Indirect	10	702	1,125	2,241	52
Induced	102	6,178	10,762	19,460	779
<b>Total</b>	<b>239</b>	<b>19,663</b>	<b>31,303</b>	<b>43,487</b>	<b>1,010</b>
<i>Multiplier</i>	1.9	1.5	1.6	2.0	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 249: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	169	270	493	1
Indirect	0	0	0	0	0
Induced	1	66	112	199	8
<b>Total</b>	<b>2</b>	<b>234</b>	<b>381</b>	<b>692</b>	<b>9</b>
<i>Multiplier</i>	2.0	1.4	1.4	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 250: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, South Dakota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	254	356	507	8
Indirect	1	49	78	156	4
Induced	2	128	224	400	16
<b>Total</b>	<b>6</b>	<b>431</b>	<b>658</b>	<b>1,063</b>	<b>28</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.7</i>	<i>1.8</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 251: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 252: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	74	8,286	12,038	12,699	73
Indirect	3	203	324	652	14
Induced	62	3,676	6,406	11,850	474
<b>Total</b>	<b>139</b>	<b>12,165</b>	<b>18,768</b>	<b>25,201</b>	<b>561</b>
<i>Multiplier</i>	<i>1.9</i>	<i>1.5</i>	<i>1.6</i>	<i>2.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Tennessee

## NASA

Table 253: Summary of Employment Component of NASA Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	71	13,514	18,215	33,334	17
Indirect	0	0	0	0	0
Induced	97	6,778	11,737	20,442	1,232
<b>Total</b>	<b>168</b>	<b>20,292</b>	<b>29,952</b>	<b>53,776</b>	<b>1,249</b>
<i>Multiplier</i>	2.4	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 254: Summary of Procurement Component of NASA Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	312	30,260	41,660	65,151	920
Indirect	173	13,311	19,674	38,085	1,104
Induced	331	21,841	38,104	67,252	4,031
<b>Total</b>	<b>815</b>	<b>65,413</b>	<b>99,438</b>	<b>170,488</b>	<b>6,056</b>
<i>Multiplier</i>	2.6	2.2	2.4	2.6	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 255: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	3,841	5,078	9,292	5
Indirect	0	0	0	0	0
Induced	26	1,876	3,237	5,490	331
<b>Total</b>	<b>46</b>	<b>5,716</b>	<b>8,315</b>	<b>14,783</b>	<b>336</b>
<i>Multiplier</i>	2.3	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 256: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Tennessee**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	16	1,272	1,658	3,213	51
Indirect	12	950	1,400	2,624	70
Induced	15	1,027	1,782	3,096	186
<b>Total</b>	<b>43</b>	<b>3,249</b>	<b>4,839</b>	<b>8,933</b>	<b>307</b>
<i>Multiplier</i>	2.7	2.6	2.9	2.8	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 257: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	490	644	1,179	1
Indirect	0	0	0	0	0
Induced	4	256	447	808	49
<b>Total</b>	<b>7</b>	<b>746</b>	<b>1,091</b>	<b>1,987</b>	<b>49</b>
<i>Multiplier</i>	2.6	1.5	1.7	1.7	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 258: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	163	15,775	19,946	34,667	401
Indirect	115	8,679	12,911	25,450	748
Induced	186	12,003	21,082	38,094	2,283
<b>Total</b>	<b>463</b>	<b>36,457</b>	<b>53,938</b>	<b>98,211</b>	<b>3,432</b>
<i>Multiplier</i>	2.8	2.3	2.7	2.8	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Texas

## NASA

Table 259: Summary of Employment Component of NASA Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,997	624,309	769,403	1,407,990	1,405
Indirect	0	0	0	0	0
Induced	5,227	345,320	618,858	1,168,559	59,248
<b>Total</b>	<b>8,224</b>	<b>969,629</b>	<b>1,388,262</b>	<b>2,576,549</b>	<b>60,652</b>
<i>Multiplier</i>	2.7	1.6	1.8	1.8	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 260: Summary of Procurement Component of NASA Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9,240	984,862	1,311,110	2,342,718	35,494
Indirect	8,119	652,258	1,022,973	1,988,550	45,157
Induced	13,571	848,369	1,545,753	2,947,326	148,597
<b>Total</b>	<b>30,930</b>	<b>2,485,490</b>	<b>3,879,837</b>	<b>7,278,593</b>	<b>229,248</b>
<i>Multiplier</i>	3.3	2.5	3.0	3.1	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 261: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,005	204,390	258,011	472,154	460
Indirect	0	0	0	0	0
Induced	1,592	108,547	194,079	356,059	18,053
<b>Total</b>	<b>2,597</b>	<b>312,938</b>	<b>452,091</b>	<b>828,213</b>	<b>18,513</b>
<i>Multiplier</i>	2.6	1.5	1.8	1.8	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 262: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Texas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,316	381,344	503,731	893,972	12,131
Indirect	3,089	256,410	397,983	744,742	16,134
Induced	5,131	327,302	592,675	1,113,758	56,154
<b>Total</b>	<b>11,536</b>	<b>965,056</b>	<b>1,494,389</b>	<b>2,752,472</b>	<b>84,419</b>
<i>Multiplier</i>	3.5	2.5	3.0	3.1	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 263: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	32	6,188	8,327	15,237	14
Indirect	0	0	0	0	0
Induced	57	3,756	6,826	13,371	678
<b>Total</b>	<b>90</b>	<b>9,943</b>	<b>15,152</b>	<b>28,608</b>	<b>692</b>
<i>Multiplier</i>	2.8	1.6	1.8	1.9	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 264: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	315	29,704	39,829	71,781	1,161
Indirect	252	19,838	32,433	67,975	1,746
Induced	425	26,271	49,012	96,803	4,880
<b>Total</b>	<b>993</b>	<b>75,813</b>	<b>121,275</b>	<b>236,559</b>	<b>7,787</b>
<i>Multiplier</i>	3.1	2.6	3.0	3.3	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Utah

## NASA

Table 265: Summary of Employment Component of NASA Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	11	2,037	2,942	5,384	64
Indirect	0	0	0	0	0
Induced	16	947	1,851	3,389	196
<b>Total</b>	<b>27</b>	<b>2,984</b>	<b>4,793</b>	<b>8,773</b>	<b>260</b>
<i>Multiplier</i>	2.4	1.5	1.6	1.6	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 266: Summary of Procurement Component of NASA Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	850	63,693	81,345	160,113	3,558
Indirect	674	44,943	72,991	147,393	3,615
Induced	824	46,979	92,418	170,359	9,819
<b>Total</b>	<b>2,348</b>	<b>155,615</b>	<b>246,755</b>	<b>477,866</b>	<b>16,991</b>
<i>Multiplier</i>	2.8	2.4	3.0	3.0	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 267: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	933	1,222	2,236	29
Indirect	0	0	0	0	0
Induced	7	423	827	1,478	86
<b>Total</b>	<b>12</b>	<b>1,357</b>	<b>2,049</b>	<b>3,714</b>	<b>115</b>
<i>Multiplier</i>	2.4	1.5	1.7	1.7	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Appendix

**Table 268: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Utah**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	485	46,019	58,518	117,520	2,399
Indirect	500	35,417	56,611	111,309	2,694
Induced	592	34,501	67,463	122,889	7,083
<b>Total</b>	<b>1,577</b>	<b>115,937</b>	<b>182,592</b>	<b>351,719</b>	<b>12,176</b>
<i>Multiplier</i>	<i>3.3</i>	<i>2.5</i>	<i>3.1</i>	<i>3.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 269: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 270: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	54	3,936	5,041	9,729	226
Indirect	41	2,646	4,325	8,881	223
Induced	52	2,902	5,746	10,839	625
<b>Total</b>	<b>146</b>	<b>9,484</b>	<b>15,112</b>	<b>29,450</b>	<b>1,073</b>
<i>Multiplier</i>	<i>2.7</i>	<i>2.4</i>	<i>3.0</i>	<i>3.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Vermont

## NASA

Table 271: Summary of Employment Component of NASA Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	962	1,540	2,819	26
Indirect	0	0	0	0	0
Induced	6	384	675	1,155	84
<b>Total</b>	<b>12</b>	<b>1,345</b>	<b>2,215</b>	<b>3,974</b>	<b>110</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 272: Summary of Procurement Component of NASA Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10	831	1,020	2,106	55
Indirect	7	504	761	1,493	64
Induced	9	515	916	1,586	115
<b>Total</b>	<b>25</b>	<b>1,851</b>	<b>2,697</b>	<b>5,186</b>	<b>234</b>
<i>Multiplier</i>	<i>2.7</i>	<i>2.2</i>	<i>2.6</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 273: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	81	130	238	2
Indirect	0	0	0	0	0
Induced	1	32	56	95	7
<b>Total</b>	<b>1</b>	<b>113</b>	<b>186</b>	<b>333</b>	<b>9</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 274: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Vermont**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	59	110	167	5
Indirect	<1	32	50	93	3
Induced	1	36	63	108	8
<b>Total</b>	<b>1</b>	<b>127</b>	<b>223</b>	<b>368</b>	<b>16</b>
<i>Multiplier</i>	3.3	2.1	2.0	2.2	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 275: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 276: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	239	296	628	16
Indirect	2	157	236	469	20
Induced	3	152	272	479	35
<b>Total</b>	<b>8</b>	<b>548</b>	<b>804</b>	<b>1,576</b>	<b>71</b>
<i>Multiplier</i>	2.9	2.3	2.7	2.5	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Virginia

## NASA

Table 277: Summary of Employment Component of NASA Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,478	484,604	636,060	1,163,975	14,291
Indirect	0	0	0	0	0
Induced	2,927	184,948	350,050	592,031	39,829
<b>Total</b>	<b>5,405</b>	<b>669,552</b>	<b>986,111</b>	<b>1,756,006</b>	<b>54,121</b>
<i>Multiplier</i>	2.2	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 278: Summary of Procurement Component of NASA Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7,469	883,774	1,142,968	1,810,709	46,599
Indirect	4,165	344,309	567,052	1,022,069	41,988
Induced	7,724	461,985	884,528	1,517,296	101,538
<b>Total</b>	<b>19,358</b>	<b>1,690,067</b>	<b>2,594,548</b>	<b>4,350,075</b>	<b>190,125</b>
<i>Multiplier</i>	2.6	1.9	2.3	2.4	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 279: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	245	44,750	62,950	115,196	1,320
Indirect	0	0	0	0	0
Induced	256	16,897	31,793	52,512	3,533
<b>Total</b>	<b>501</b>	<b>61,647</b>	<b>94,743</b>	<b>167,708</b>	<b>4,853</b>
<i>Multiplier</i>	2.0	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 280: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Virginia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,767	142,428	151,654	295,275	6,229
Indirect	719	59,536	104,623	197,590	11,490
Induced	1,208	74,144	141,019	238,804	15,977
<b>Total</b>	<b>3,694</b>	<b>276,108</b>	<b>397,297</b>	<b>731,669</b>	<b>33,696</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.9</i>	<i>2.6</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 281: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	585	107,478	150,055	274,597	3,170
Indirect	0	0	0	0	0
Induced	695	41,575	78,662	137,120	9,225
<b>Total</b>	<b>1,279</b>	<b>149,053</b>	<b>228,717</b>	<b>411,717</b>	<b>12,394</b>
<i>Multiplier</i>	<i>2.2</i>	<i>1.4</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 282: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,003	117,196	144,571	238,645	5,901
Indirect	604	48,083	76,913	138,472	5,145
Induced	1,077	63,276	121,775	212,548	14,224
<b>Total</b>	<b>2,684</b>	<b>228,556</b>	<b>343,259</b>	<b>589,666</b>	<b>25,270</b>
<i>Multiplier</i>	<i>2.7</i>	<i>2.0</i>	<i>2.4</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Washington

## NASA

Table 283: Summary of Employment Component of NASA Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	30	5,806	7,755	14,192	46
Indirect	0	0	0	0	0
Induced	33	2,644	4,988	8,227	599
<b>Total</b>	<b>63</b>	<b>8,450</b>	<b>12,743</b>	<b>22,418</b>	<b>646</b>
<i>Multiplier</i>	2.1	1.5	1.6	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 284: Summary of Procurement Component of NASA Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,196	151,401	231,677	350,091	4,700
Indirect	696	73,170	121,937	202,304	8,204
Induced	1,291	96,598	184,576	309,219	22,403
<b>Total</b>	<b>3,184</b>	<b>321,169</b>	<b>538,190</b>	<b>861,613</b>	<b>35,307</b>
<i>Multiplier</i>	2.7	2.1	2.3	2.5	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 285: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	510	916	1,677	4
Indirect	0	0	0	0	0
Induced	3	235	434	693	50
<b>Total</b>	<b>6</b>	<b>745</b>	<b>1,351</b>	<b>2,369</b>	<b>55</b>
<i>Multiplier</i>	1.8	1.5	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 286: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Washington**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	812	129,138	200,547	297,189	3,698
Indirect	567	63,333	104,954	168,741	6,877
Induced	1,071	81,838	155,311	256,087	18,554
<b>Total</b>	<b>2,450</b>	<b>274,309</b>	<b>460,812</b>	<b>722,017</b>	<b>29,128</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.1</i>	<i>2.3</i>	<i>2.4</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 287: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	314	479	876	3
Indirect	0	0	0	0	0
Induced	2	144	273	470	34
<b>Total</b>	<b>4</b>	<b>458</b>	<b>752</b>	<b>1,346</b>	<b>37</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.5</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 288: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	97	10,314	15,753	22,889	338
Indirect	45	4,507	7,612	12,983	524
Induced	88	6,491	12,543	21,490	1,557
<b>Total</b>	<b>230</b>	<b>21,312</b>	<b>35,907</b>	<b>57,361</b>	<b>2,419</b>
<i>Multiplier</i>	<i>2.4</i>	<i>2.1</i>	<i>2.3</i>	<i>2.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Washington, D.C.

## NASA

Table 289: Summary of Employment Component of NASA Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	334	68,523	85,641	156,721	819
Indirect	0	0	0	0	0
Induced	93	9,700	13,891	20,342	1,087
<b>Total</b>	<b>426</b>	<b>78,223</b>	<b>99,531</b>	<b>177,063</b>	<b>1,906</b>
<i>Multiplier</i>	<i>1.3</i>	<i>1.1</i>	<i>1.2</i>	<i>1.1</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 290: Summary of Procurement Component of NASA Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,505	230,542	293,871	361,239	6,044
Indirect	295	35,139	52,966	83,450	2,842
Induced	428	41,910	60,884	90,674	4,814
<b>Total</b>	<b>2,228</b>	<b>307,592</b>	<b>407,721</b>	<b>535,363</b>	<b>13,700</b>
<i>Multiplier</i>	<i>1.5</i>	<i>1.3</i>	<i>1.4</i>	<i>1.5</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 291: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	25	5,098	6,498	11,892	61
Indirect	0	0	0	0	0
Induced	7	750	1,051	1,501	80
<b>Total</b>	<b>32</b>	<b>5,849</b>	<b>7,549</b>	<b>13,393</b>	<b>141</b>
<i>Multiplier</i>	<i>1.3</i>	<i>1.1</i>	<i>1.2</i>	<i>1.1</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 292: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Washington, D.C.**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	70	11,665	13,523	19,428	312
Indirect	26	3,416	4,831	7,271	220
Induced	26	2,644	3,735	5,525	292
<b>Total</b>	<b>121</b>	<b>17,725</b>	<b>22,089</b>	<b>32,224</b>	<b>824</b>
<i>Multiplier</i>	<i>1.7</i>	<i>1.5</i>	<i>1.6</i>	<i>1.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 293: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	44	9,516	11,239	20,567	114
Indirect	0	0	0	0	0
Induced	13	1,302	1,911	2,847	152
<b>Total</b>	<b>57</b>	<b>10,819</b>	<b>13,150</b>	<b>23,413</b>	<b>266</b>
<i>Multiplier</i>	<i>1.3</i>	<i>1.1</i>	<i>1.2</i>	<i>1.1</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 294: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	218	29,761	35,183	50,067	799
Indirect	61	7,519	10,719	16,881	520
Induced	61	5,897	8,631	13,018	690
<b>Total</b>	<b>341</b>	<b>43,177</b>	<b>54,534</b>	<b>79,966</b>	<b>2,009</b>
<i>Multiplier</i>	<i>1.6</i>	<i>1.5</i>	<i>1.5</i>	<i>1.6</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## West Virginia

## NASA

Table 295: Summary of Employment Component of NASA Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	62	11,710	15,805	28,922	310
Indirect	0	0	0	0	0
Induced	66	3,569	6,296	11,370	720
<b>Total</b>	<b>127</b>	<b>15,279</b>	<b>22,100</b>	<b>40,292</b>	<b>1,030</b>
<i>Multiplier</i>	<i>2.1</i>	<i>1.3</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 296: Summary of Procurement Component of NASA Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	222	17,947	24,526	49,350	999
Indirect	126	8,054	12,327	24,540	687
Induced	157	8,176	14,602	26,691	1,682
<b>Total</b>	<b>506</b>	<b>34,178</b>	<b>51,454</b>	<b>100,581</b>	<b>3,368</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.9</i>	<i>2.1</i>	<i>2.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 297: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	231	429	784	6
Indirect	0	0	0	0	0
Induced	1	69	120	213	14
<b>Total</b>	<b>3</b>	<b>300</b>	<b>548</b>	<b>997</b>	<b>20</b>
<i>Multiplier</i>	<i>1.8</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.



**Table 298: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, West Virginia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	981	1,367	2,774	55
Indirect	7	465	708	1,383	38
Induced	9	449	789	1,434	90
<b>Total</b>	<b>27</b>	<b>1,895</b>	<b>2,865</b>	<b>5,592</b>	<b>184</b>
<i>Multiplier</i>	<i>2.3</i>	<i>1.9</i>	<i>2.1</i>	<i>2.0</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 299: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	253	286	523	7
Indirect	0	0	0	0	0
Induced	2	80	144	263	17
<b>Total</b>	<b>3</b>	<b>332</b>	<b>430</b>	<b>787</b>	<b>23</b>
<i>Multiplier</i>	<i>2.4</i>	<i>1.3</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 300: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	119	175	366	5
Indirect	1	64	97	194	5
Induced	1	57	103	191	12
<b>Total</b>	<b>3</b>	<b>240</b>	<b>375</b>	<b>751</b>	<b>23</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.0</i>	<i>2.1</i>	<i>2.1</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Wisconsin

## NASA

Table 301: Summary of Employment Component of NASA Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	647	1,020	1,867	16
Indirect	0	0	0	0	0
Induced	5	309	541	989	58
<b>Total</b>	<b>9</b>	<b>956</b>	<b>1,561</b>	<b>2,855</b>	<b>74</b>
<i>Multiplier</i>	2.2	1.5	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

Table 302: Summary of Procurement Component of NASA Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	115	10,188	13,356	26,677	585
Indirect	93	6,934	10,505	20,444	667
Induced	129	7,772	13,779	25,245	1,466
<b>Total</b>	<b>337</b>	<b>24,894</b>	<b>37,640</b>	<b>72,366</b>	<b>2,718</b>
<i>Multiplier</i>	2.9	2.4	2.8	2.7	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 303: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	274	320	586	7
Indirect	0	0	0	0	0
Induced	2	128	224	403	24
<b>Total</b>	<b>3</b>	<b>402</b>	<b>545</b>	<b>989</b>	<b>30</b>
<i>Multiplier</i>	2.6	1.5	1.7	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 304: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Wisconsin**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	1,561	2,032	3,972	86
Indirect	14	1,045	1,593	3,026	99
Induced	19	1,179	2,084	3,768	219
<b>Total</b>	<b>50</b>	<b>3,785</b>	<b>5,709</b>	<b>10,766</b>	<b>404</b>
<i>Multiplier</i>	<i>2.9</i>	<i>2.4</i>	<i>2.8</i>	<i>2.7</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 305: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	10	49	90	<1
Indirect	0	0	0	0	0
Induced	<1	5	8	15	1
<b>Total</b>	<b>&lt;1</b>	<b>14</b>	<b>58</b>	<b>106</b>	<b>1</b>
<i>Multiplier</i>	<i>1.4</i>	<i>1.5</i>	<i>1.2</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 306: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	58	5,241	7,011	13,646	300
Indirect	49	3,566	5,408	10,649	347
Induced	68	4,019	7,154	13,400	778
<b>Total</b>	<b>175</b>	<b>12,826</b>	<b>19,573</b>	<b>37,694</b>	<b>1,424</b>
<i>Multiplier</i>	<i>3.0</i>	<i>2.4</i>	<i>2.8</i>	<i>2.8</i>	<i>n.a.</i>

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Wyoming

### NASA

**Table 307: Summary of Employment Component of NASA Impacts by Types of Impact, Wyoming**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	431	650	1,190	7
Indirect	0	0	0	0	0
Induced	2	82	159	304	18
<b>Total</b>	<b>4</b>	<b>513</b>	<b>809</b>	<b>1,494</b>	<b>24</b>
<i>Multiplier</i>	1.7	1.2	1.2	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 308: Summary of Procurement Component of NASA Impacts by Types of Impact, Wyoming**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	516	641	1,459	23
Indirect	4	221	342	766	13
Induced	3	141	278	535	31
<b>Total</b>	<b>14</b>	<b>878</b>	<b>1,261</b>	<b>2,761</b>	<b>66</b>
<i>Multiplier</i>	2.1	1.7	2.0	1.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

### Moon to Mars Campaign

**Table 309: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Wyoming**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	207	257	470	3
Indirect	0	0	0	0	0
Induced	1	38	74	138	8
<b>Total</b>	<b>2</b>	<b>245</b>	<b>330</b>	<b>608</b>	<b>11</b>
<i>Multiplier</i>	1.8	1.2	1.3	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 310: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Wyoming**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	4	5	11	<1
Indirect	<1	2	3	6	<1
Induced	<1	1	2	4	<1
<b>Total</b>	<b>&lt;1</b>	<b>7</b>	<b>10</b>	<b>21</b>	<b>1</b>
<i>Multiplier</i>	2.2	1.7	1.9	1.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 311: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study. 3) Values may not sum exactly due to rounding to the nearest whole number.

**Table 312: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming**

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	113	145	323	5
Indirect	1	49	76	172	3
Induced	1	32	63	123	7
<b>Total</b>	<b>3</b>	<b>194</b>	<b>284</b>	<b>618</b>	<b>15</b>
<i>Multiplier</i>	2.1	1.7	2.0	1.9	n.a.

Note: Values may not sum exactly due to rounding to the nearest whole number.

## LABOR INCOME AND VALUE-ADDED IMPACTS BY SOURCES OF IMPACT

In this section, for labor income and value added the results are examined by NASA employment and procurement components. The disaggregation of economic impacts by their sources highlights the relative contributions of NASA's employment and procurement activities to the overall NASA impacts (the equivalent tables for employment and output categories are provided in the text).

### United States

#### NASA

**Table 313: NASA Labor Income Impacts by Sources of Impact, the United States**

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,515,929	68.7	0	0.0	3,515,929	12.7	100.0	0.0
Indirect	0	0.0	15,452,256	68.7	15,452,256	56.0	0.0	100.0
Induced	1,601,291	31.3	7,029,387	31.3	8,630,679	31.3	18.6	81.4
<b>Total</b>	<b>5,117,221</b>	<b>100.0</b>	<b>22,481,644</b>	<b>100.0</b>	<b>27,598,864</b>	<b>100.0</b>	<b>18.5</b>	<b>81.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 314: NASA Value Added Impacts by Sources of Impact, the United States**

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,575,175	61.1	0	0.0	4,575,175	10.8	100.0	0.0
Indirect	0	0.0	22,080,263	63.3	22,080,263	52.1	0.0	100.0
Induced	2,915,525	38.9	12,793,572	36.7	15,709,096	37.1	18.6	81.4
<b>Total</b>	<b>7,490,699</b>	<b>100.0</b>	<b>34,873,835</b>	<b>100.0</b>	<b>42,364,534</b>	<b>100.0</b>	<b>17.7</b>	<b>82.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

**Table 315: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, the United States**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	712,139	68.7	0	0.0	712,139	8.3	100.0	0.0
Indirect	0	0.0	5,205,198	68.7	5,205,198	60.5	0.0	100.0
Induced	324,336	31.3	2,368,033	31.3	2,692,368	31.3	12.0	88.0
<b>Total</b>	<b>1,036,474</b>	<b>100.0</b>	<b>7,573,230</b>	<b>100.0</b>	<b>8,609,704</b>	<b>100.0</b>	<b>12.0</b>	<b>88.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 316: Moon to Mars Campaign Value Added Impacts by Sources of Impact, the United States**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	962,385	62.0	0	0.0	962,385	7.3	100.0	0.0
Indirect	0	0.0	7,369,951	63.1	7,369,951	55.7	0.0	100.0
Induced	590,529	38.0	4,309,918	36.9	4,900,447	37.0	12.1	87.9
<b>Total</b>	<b>1,552,913</b>	<b>100.0</b>	<b>11,679,869</b>	<b>100.0</b>	<b>13,232,783</b>	<b>100.0</b>	<b>11.7</b>	<b>88.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 317: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, the United States**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	382,218	68.7	0	0.0	382,218	13.0	100.0	0.0
Indirect	0	0.0	1,644,659	68.7	1,644,659	55.8	0.0	100.0
Induced	174,077	31.3	748,223	31.3	922,300	31.3	18.9	81.1
<b>Total</b>	<b>556,295</b>	<b>100.0</b>	<b>2,392,882</b>	<b>100.0</b>	<b>2,949,177</b>	<b>100.0</b>	<b>18.9</b>	<b>81.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 318: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, the United States**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	515,831	61.9	0	0.0	515,831	11.5	100.0	0.0
Indirect	0	0.0	2,299,633	62.8	2,299,633	51.2	0.0	100.0
Induced	316,948	38.1	1,361,806	37.2	1,678,754	37.4	18.9	81.1
<b>Total</b>	<b>832,779</b>	<b>100.0</b>	<b>3,661,438</b>	<b>100.0</b>	<b>4,494,218</b>	<b>100.0</b>	<b>18.5</b>	<b>81.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Alabama

## NASA

Table 319: NASA Labor Income Impacts by Sources of Impact, Alabama

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	422,863	74.0	0	0.0	422,863	15.5	100.0
Indirect	0	0.0	1,605,057	74.3	1,605,057	58.7	0.0	100.0
Induced	148,451	26.0	555,961	25.7	704,412	25.8	21.1	78.9
<b>Total</b>	<b>571,314</b>	<b>100.0</b>	<b>2,161,018</b>	<b>100.0</b>	<b>2,732,332</b>	<b>100.0</b>	<b>20.9</b>	<b>79.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 320: NASA Value Added Impacts by Sources of Impact, Alabama

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	570,849	67.2	0	0.0	570,849	13.6	100.0
Indirect	0	0.0	2,282,116	68.4	2,282,116	54.5	0.0	100.0
Induced	278,262	32.8	1,052,933	31.6	1,331,195	31.8	20.9	79.1
<b>Total</b>	<b>849,111</b>	<b>100.0</b>	<b>3,335,049</b>	<b>100.0</b>	<b>4,184,160</b>	<b>100.0</b>	<b>20.3</b>	<b>79.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 321: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Alabama

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	171,980	74.9	0	0.0	171,980	9.9	100.0
Indirect	0	0.0	1,131,386	74.7	1,131,386	64.8	0.0	100.0
Induced	57,718	25.1	384,081	25.3	441,799	25.3	13.1	86.9
<b>Total</b>	<b>229,698</b>	<b>100.0</b>	<b>1,515,467</b>	<b>100.0</b>	<b>1,745,165</b>	<b>100.0</b>	<b>13.2</b>	<b>86.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 322: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Alabama**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	240,994	69.0	0	0.0	240,994	9.0	100.0	0.0
Indirect	0	0.0	1,593,771	68.8	1,593,771	59.8	0.0	100.0
Induced	108,084	31.0	723,725	31.2	831,809	31.2	13.0	87.0
<b>Total</b>	<b>349,078</b>	<b>100.0</b>	<b>2,317,496</b>	<b>100.0</b>	<b>2,666,574</b>	<b>100.0</b>	<b>13.1</b>	<b>86.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 323: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Alabama**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	10,904	72.9	0	0.0	10,904	9.7	100.0	0.0
Indirect	0	0.0	71,695	73.4	71,695	63.7	0.0	100.0
Induced	4,063	27.1	25,932	26.6	29,995	26.6	13.5	86.5
<b>Total</b>	<b>14,967</b>	<b>100.0</b>	<b>97,627</b>	<b>100.0</b>	<b>112,594</b>	<b>100.0</b>	<b>13.3</b>	<b>86.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 324: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Alabama**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	15,399	66.9	0	0.0	15,399	9.1	100.0	0.0
Indirect	0	0.0	96,327	66.1	96,327	57.1	0.0	100.0
Induced	7,606	33.1	49,411	33.9	57,017	33.8	13.3	86.7
<b>Total</b>	<b>23,004</b>	<b>100.0</b>	<b>145,738</b>	<b>100.0</b>	<b>168,742</b>	<b>100.0</b>	<b>13.6</b>	<b>86.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Alaska

## NASA

Table 325: NASA Labor Income Impacts by Sources of Impact, Alaska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	13,172	73.3	13,172	73.3	0.0	100.0
Induced	0	n.a.	4,788	26.7	4,788	26.7	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>17,961</b>	<b>100.0</b>	<b>17,961</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 326: NASA Value Added Impacts by Sources of Impact, Alaska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	16,720	66.4	16,720	66.4	0.0	100.0
Induced	0	n.a.	8,472	33.6	8,472	33.6	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>25,192</b>	<b>100.0</b>	<b>25,192</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 327: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Alaska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	9	73.6	9	73.6	0.0	100.0
Induced	0	n.a.	3	26.4	3	26.4	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>12</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 328: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Alaska**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	11	66.7	11	66.7	0.0	100.0
Induced	0	n.a.	6	33.3	6	33.3	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>17</b>	<b>100.0</b>	<b>17</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 329: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Alaska**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	9,112	73.4	9,112	73.4	0.0	100.0
Induced	0	n.a.	3,300	26.6	3,300	26.6	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>12,412</b>	<b>100.0</b>	<b>12,412</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 330: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Alaska**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	11,667	66.1	11,667	66.1	0.0	100.0
Induced	0	n.a.	5,985	33.9	5,985	33.9	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>17,652</b>	<b>100.0</b>	<b>17,652</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Arizona

## NASA

Table 331: NASA Labor Income Impacts by Sources of Impact, Arizona

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,745	65.1	0	0.0	3,745	1.7	100.0
Indirect	0	0.0	146,495	66.4	146,495	64.7	0.0	100.0
Induced	2,011	34.9	74,137	33.6	76,148	33.6	2.6	97.4
<b>Total</b>	<b>5,756</b>	<b>100.0</b>	<b>220,631</b>	<b>100.0</b>	<b>226,388</b>	<b>100.0</b>	<b>2.5</b>	<b>97.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 332: NASA Value Added Impacts by Sources of Impact, Arizona

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,222	58.9	0	0.0	5,222	1.5	100.0
Indirect	0	0.0	215,282	61.4	215,282	59.9	0.0	100.0
Induced	3,647	41.1	135,275	38.6	138,922	38.7	2.6	97.4
<b>Total</b>	<b>8,869</b>	<b>100.0</b>	<b>350,557</b>	<b>100.0</b>	<b>359,426</b>	<b>100.0</b>	<b>2.5</b>	<b>97.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 333: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Arizona

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	30	65.7	0	0.0	30	0.1	100.0
Indirect	0	0.0	16,967	66.0	16,967	65.9	0.0	100.0
Induced	15	34.3	8,734	34.0	8,749	34.0	0.2	99.8
<b>Total</b>	<b>45</b>	<b>100.0</b>	<b>25,701</b>	<b>100.0</b>	<b>25,746</b>	<b>100.0</b>	<b>0.2</b>	<b>99.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 334: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Arizona**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	47	62.8	0	0.0	47	0.1	100.0
Indirect	0	0.0	24,784	61.0	24,784	60.9	0.0	100.0
Induced	28	37.2	15,818	39.0	15,846	39.0	0.2	99.8
<b>Total</b>	<b>75</b>	<b>100.0</b>	<b>40,602</b>	<b>100.0</b>	<b>40,678</b>	<b>100.0</b>	<b>0.2</b>	<b>99.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 335: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Arizona**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	768	64.3	0	0.0	768	3.4	100.0
Indirect	0	0.0	13,975	66.1	13,975	62.5	0.0	100.0
Induced	426	35.7	7,180	33.9	7,606	34.0	5.6	94.4
<b>Total</b>	<b>1,193</b>	<b>100.0</b>	<b>21,155</b>	<b>100.0</b>	<b>22,349</b>	<b>100.0</b>	<b>5.3</b>	<b>94.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 336: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Arizona**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	1,272	62.1	0	0.0	1,272	3.6	100.0
Indirect	0	0.0	20,312	60.7	20,312	57.2	0.0	100.0
Induced	777	37.9	13,178	39.3	13,955	39.3	5.6	94.4
<b>Total</b>	<b>2,049</b>	<b>100.0</b>	<b>33,490</b>	<b>100.0</b>	<b>35,539</b>	<b>100.0</b>	<b>5.8</b>	<b>94.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Arkansas

## NASA

Table 337: NASA Labor Income Impacts by Sources of Impact, Arkansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	499	74.5	0	0.0	499	17.9	100.0
Indirect	0	0.0	1,585	74.7	1,585	56.8	0.0	100.0
Induced	171	25.5	536	25.3	707	25.3	24.2	75.8
<b>Total</b>	<b>670</b>	<b>100.0</b>	<b>2,121</b>	<b>100.0</b>	<b>2,791</b>	<b>100.0</b>	<b>24.0</b>	<b>76.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 338: NASA Value Added Impacts by Sources of Impact, Arkansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	725	69.3	0	0.0	725	16.9	100.0
Indirect	0	0.0	2,223	68.6	2,223	51.8	0.0	100.0
Induced	321	30.7	1,019	31.4	1,340	31.3	24.0	76.0
<b>Total</b>	<b>1,046</b>	<b>100.0</b>	<b>3,242</b>	<b>100.0</b>	<b>4,288</b>	<b>100.0</b>	<b>24.4</b>	<b>75.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 339: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Arkansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	88	74.9	88	74.9	0.0	100.0
Induced	0	n.a.	30	25.1	30	25.1	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>118</b>	<b>100.0</b>	<b>118</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 340: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Arkansas**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	126	69.1	126	69.1	0.0	100.0
Induced	0	n.a.	56	30.9	56	30.9	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>182</b>	<b>100.0</b>	<b>182</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 341: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Arkansas**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	61	73.7	0	0.0	61	9.8	100.0
Indirect	0	0.0	400	74.6	400	64.7	0.0	100.0
Induced	22	26.3	136	25.4	158	25.5	13.7	86.3
<b>Total</b>	<b>82</b>	<b>100.0</b>	<b>536</b>	<b>100.0</b>	<b>619</b>	<b>100.0</b>	<b>13.3</b>	<b>86.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 342: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Arkansas**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	178	81.4	0	0.0	178	16.9	100.0
Indirect	0	0.0	575	68.9	575	54.6	0.0	100.0
Induced	41	18.6	260	31.1	300	28.5	13.5	86.5
<b>Total</b>	<b>218</b>	<b>100.0</b>	<b>835</b>	<b>100.0</b>	<b>1,053</b>	<b>100.0</b>	<b>20.7</b>	<b>79.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## California

## NASA

Table 343: NASA Labor Income Impacts by Sources of Impact, California

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	377,059	62.3	0	0.0	377,059	5.4	100.0	0.0
Indirect	0	0.0	4,133,137	65.2	4,133,137	59.5	0.0	100.0
Induced	228,534	37.7	2,209,938	34.8	2,438,472	35.1	9.4	90.6
<b>Total</b>	<b>605,594</b>	<b>100.0</b>	<b>6,343,074</b>	<b>100.0</b>	<b>6,948,668</b>	<b>100.0</b>	<b>8.7</b>	<b>91.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 344: NASA Value Added Impacts by Sources of Impact, California

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	463,428	53.0	0	0.0	463,428	4.2	100.0	0.0
Indirect	0	0.0	6,131,458	60.6	6,131,458	55.8	0.0	100.0
Induced	411,251	47.0	3,978,907	39.4	4,390,159	40.0	9.4	90.6
<b>Total</b>	<b>874,679</b>	<b>100.0</b>	<b>10,110,365</b>	<b>100.0</b>	<b>10,985,044</b>	<b>100.0</b>	<b>8.0</b>	<b>92.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 345: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, California

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	36,403	62.0	0	0.0	36,403	2.0	100.0	0.0
Indirect	0	0.0	1,132,653	64.9	1,132,653	62.8	0.0	100.0
Induced	22,334	38.0	612,373	35.1	634,708	35.2	3.5	96.5
<b>Total</b>	<b>58,737</b>	<b>100.0</b>	<b>1,745,027</b>	<b>100.0</b>	<b>1,803,764</b>	<b>100.0</b>	<b>3.3</b>	<b>96.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 346: Moon to Mars Campaign Value Added Impacts by Sources of Impact, California**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	42,418	51.2	0	0.0	42,418	1.5	100.0	0.0
Indirect	0	0.0	1,675,920	60.4	1,675,920	58.6	0.0	100.0
Induced	40,380	48.8	1,098,930	39.6	1,139,311	39.9	3.5	96.5
<b>Total</b>	<b>82,798</b>	<b>100.0</b>	<b>2,774,851</b>	<b>100.0</b>	<b>2,857,649</b>	<b>100.0</b>	<b>2.9</b>	<b>97.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 347: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, California**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	86,504	62.7	0	0.0	86,504	12.7	100.0	0.0
Indirect	0	0.0	348,263	64.3	348,263	51.3	0.0	100.0
Induced	51,533	37.3	193,135	35.7	244,668	36.0	21.1	78.9
<b>Total</b>	<b>138,037</b>	<b>100.0</b>	<b>541,398</b>	<b>100.0</b>	<b>679,435</b>	<b>100.0</b>	<b>20.3</b>	<b>79.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 348: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, California**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	115,197	55.6	0	0.0	115,197	10.8	100.0	0.0
Indirect	0	0.0	512,865	59.3	512,865	47.9	0.0	100.0
Induced	91,939	44.4	351,343	40.7	443,282	41.4	20.7	79.3
<b>Total</b>	<b>207,136</b>	<b>100.0</b>	<b>864,208</b>	<b>100.0</b>	<b>1,071,344</b>	<b>100.0</b>	<b>19.3</b>	<b>80.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Colorado

## NASA

Table 349: NASA Labor Income Impacts by Sources of Impact, Colorado

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	10,742	65.6	0	0.0	10,742	0.6	100.0
Indirect	0	0.0	1,266,424	67.4	1,266,424	66.8	0.0	100.0
Induced	5,639	34.4	612,653	32.6	618,292	32.6	0.9	99.1
<b>Total</b>	<b>16,381</b>	<b>100.0</b>	<b>1,879,077</b>	<b>100.0</b>	<b>1,895,458</b>	<b>100.0</b>	<b>0.9</b>	<b>99.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 350: NASA Value Added Impacts by Sources of Impact, Colorado

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	14,457	59.3	0	0.0	14,457	0.5	100.0
Indirect	0	0.0	1,713,861	61.2	1,713,861	60.6	0.0	100.0
Induced	9,908	40.7	1,088,704	38.8	1,098,612	38.9	0.9	99.1
<b>Total</b>	<b>24,365</b>	<b>100.0</b>	<b>2,802,565</b>	<b>100.0</b>	<b>2,826,929</b>	<b>100.0</b>	<b>0.9</b>	<b>99.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 351: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Colorado

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,994	66.0	0	0.0	1,994	0.2	100.0
Indirect	0	0.0	853,602	67.6	853,602	67.4	0.0	100.0
Induced	1,026	34.0	409,181	32.4	410,207	32.4	0.3	99.7
<b>Total</b>	<b>3,020</b>	<b>100.0</b>	<b>1,262,783</b>	<b>100.0</b>	<b>1,265,803</b>	<b>100.0</b>	<b>0.2</b>	<b>99.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 352: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Colorado**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	2,656	59.5	0	0.0	2,656	0.1	100.0	0.0
Indirect	0	0.0	1,148,137	61.3	1,148,137	61.1	0.0	100.0
Induced	1,808	40.5	725,556	38.7	727,364	38.7	0.2	99.8
<b>Total</b>	<b>4,464</b>	<b>100.0</b>	<b>1,873,693</b>	<b>100.0</b>	<b>1,878,157</b>	<b>100.0</b>	<b>0.2</b>	<b>99.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 353: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Colorado**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,469	63.9	0	0.0	1,469	0.7	100.0	0.0
Indirect	0	0.0	130,700	66.8	130,700	66.0	0.0	100.0
Induced	830	36.1	64,949	33.2	65,779	33.2	1.3	98.7
<b>Total</b>	<b>2,299</b>	<b>100.0</b>	<b>195,649</b>	<b>100.0</b>	<b>197,948</b>	<b>100.0</b>	<b>1.2</b>	<b>98.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 354: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Colorado**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,203	60.9	0	0.0	2,203	0.7	100.0	0.0
Indirect	0	0.0	179,424	60.8	179,424	60.1	0.0	100.0
Induced	1,413	39.1	115,677	39.2	117,090	39.2	1.2	98.8
<b>Total</b>	<b>3,615</b>	<b>100.0</b>	<b>295,101</b>	<b>100.0</b>	<b>298,716</b>	<b>100.0</b>	<b>1.2</b>	<b>98.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Connecticut

## NASA

Table 355: NASA Labor Income Impacts by Sources of Impact, Connecticut

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,429	67.1	0	0.0	1,429	2.5	100.0
Indirect	0	0.0	38,005	68.0	38,005	65.5	0.0	100.0
Induced	700	32.9	17,884	32.0	18,584	32.0	3.8	96.2
<b>Total</b>	<b>2,129</b>	<b>100.0</b>	<b>55,888</b>	<b>100.0</b>	<b>58,018</b>	<b>100.0</b>	<b>3.7</b>	<b>96.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 356: NASA Value Added Impacts by Sources of Impact, Connecticut

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,210	65.3	0	0.0	2,210	2.6	100.0
Indirect	0	0.0	52,853	63.5	52,853	61.0	0.0	100.0
Induced	1,177	34.7	30,359	36.5	31,536	36.4	3.7	96.3
<b>Total</b>	<b>3,387</b>	<b>100.0</b>	<b>83,212</b>	<b>100.0</b>	<b>86,599</b>	<b>100.0</b>	<b>3.9</b>	<b>96.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 357: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Connecticut

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	135	67.1	0	0.0	135	1.8	100.0
Indirect	0	0.0	4,936	68.5	4,936	66.7	0.0	100.0
Induced	66	32.9	2,265	31.5	2,331	31.5	2.8	97.2
<b>Total</b>	<b>201</b>	<b>100.0</b>	<b>7,202</b>	<b>100.0</b>	<b>7,403</b>	<b>100.0</b>	<b>2.7</b>	<b>97.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 358: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Connecticut**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	261	69.2	0	0.0	261	1.3	100.0
Indirect	0	0.0	12,546	64.9	12,546	63.7	0.0	100.0
Induced	117	30.8	6,777	35.1	6,893	35.0	1.7	98.3
<b>Total</b>	<b>378</b>	<b>100.0</b>	<b>19,323</b>	<b>100.0</b>	<b>19,701</b>	<b>100.0</b>	<b>1.9</b>	<b>98.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 359: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Connecticut**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	230	66.9	0	0.0	230	1.7	100.0
Indirect	0	0.0	8,878	68.3	8,878	66.6	0.0	100.0
Induced	114	33.1	4,116	31.7	4,230	31.7	2.7	97.3
<b>Total</b>	<b>344</b>	<b>100.0</b>	<b>12,994</b>	<b>100.0</b>	<b>13,338</b>	<b>100.0</b>	<b>2.6</b>	<b>97.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 360: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Connecticut**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	567	74.8	0	0.0	567	2.8	100.0
Indirect	0	0.0	12,381	63.8	12,381	61.4	0.0	100.0
Induced	191	25.2	7,026	36.2	7,217	35.8	2.6	97.4
<b>Total</b>	<b>758</b>	<b>100.0</b>	<b>19,407</b>	<b>100.0</b>	<b>20,164</b>	<b>100.0</b>	<b>3.8</b>	<b>96.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Delaware

## NASA

Table 361: NASA Labor Income Impacts by Sources of Impact, Delaware

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	857	76.2	0	0.0	857	3.1	100.0
Indirect	0	0.0	19,725	75.0	19,725	71.9	0.0	100.0
Induced	268	23.8	6,575	25.0	6,842	24.9	3.9	96.1
<b>Total</b>	<b>1,125</b>	<b>100.0</b>	<b>26,300</b>	<b>100.0</b>	<b>27,425</b>	<b>100.0</b>	<b>4.1</b>	<b>95.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 362: NASA Value Added Impacts by Sources of Impact, Delaware

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,313	71.6	0	0.0	1,313	3.1	100.0
Indirect	0	0.0	26,968	67.5	26,968	64.5	0.0	100.0
Induced	522	28.4	12,998	32.5	13,519	32.3	3.9	96.1
<b>Total</b>	<b>1,835</b>	<b>100.0</b>	<b>39,966</b>	<b>100.0</b>	<b>41,801</b>	<b>100.0</b>	<b>4.4</b>	<b>95.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 363: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Delaware

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	41	76.2	0	0.0	41	5.4	100.0
Indirect	0	0.0	529	75.9	529	70.5	0.0	100.0
Induced	13	23.8	168	24.1	181	24.1	7.0	93.0
<b>Total</b>	<b>53</b>	<b>100.0</b>	<b>697</b>	<b>100.0</b>	<b>751</b>	<b>100.0</b>	<b>7.1</b>	<b>92.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 364: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Delaware**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	77	76.2	0	0.0	77	6.4	100.0
Indirect	0	0.0	786	70.5	786	64.7	0.0	100.0
Induced	24	23.8	328	29.5	352	29.0	6.9	93.1
<b>Total</b>	<b>101</b>	<b>100.0</b>	<b>1,115</b>	<b>100.0</b>	<b>1,216</b>	<b>100.0</b>	<b>8.3</b>	<b>91.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 365: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Delaware**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	8	75.8	0	0.0	8	0.4	100.0
Indirect	0	0.0	1,377	75.6	1,377	75.2	0.0	100.0
Induced	2	24.2	443	24.4	446	24.4	0.5	99.5
<b>Total</b>	<b>10</b>	<b>100.0</b>	<b>1,820</b>	<b>100.0</b>	<b>1,830</b>	<b>100.0</b>	<b>0.5</b>	<b>99.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 366: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Delaware**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	14	75.2	0	0.0	14	0.5	100.0
Indirect	0	0.0	1,984	69.1	1,984	68.6	0.0	100.0
Induced	5	24.8	889	30.9	894	30.9	0.5	99.5
<b>Total</b>	<b>19</b>	<b>100.0</b>	<b>2,873</b>	<b>100.0</b>	<b>2,892</b>	<b>100.0</b>	<b>0.7</b>	<b>99.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Florida

## NASA

Table 367: NASA Labor Income Impacts by Sources of Impact, Florida

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	393,525	65.7	0	0.0	393,525	14.3	100.0	0.0
Indirect	0	0.0	1,459,048	67.8	1,459,048	53.0	0.0	100.0
Induced	205,721	34.3	694,439	32.2	900,160	32.7	22.9	77.1
<b>Total</b>	<b>599,246</b>	<b>100.0</b>	<b>2,153,488</b>	<b>100.0</b>	<b>2,752,734</b>	<b>100.0</b>	<b>21.8</b>	<b>78.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 368: NASA Value Added Impacts by Sources of Impact, Florida

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	555,027	59.7	0	0.0	555,027	12.7	100.0	0.0
Indirect	0	0.0	2,165,877	62.9	2,165,877	49.5	0.0	100.0
Induced	374,952	40.3	1,276,215	37.1	1,651,168	37.8	22.7	77.3
<b>Total</b>	<b>929,980</b>	<b>100.0</b>	<b>3,442,092</b>	<b>100.0</b>	<b>4,372,071</b>	<b>100.0</b>	<b>21.3</b>	<b>78.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 369: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Florida

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	123,197	66.4	0	0.0	123,197	11.7	100.0	0.0
Indirect	0	0.0	586,203	67.5	586,203	55.6	0.0	100.0
Induced	62,418	33.6	281,989	32.5	344,407	32.7	18.1	81.9
<b>Total</b>	<b>185,615</b>	<b>100.0</b>	<b>868,191</b>	<b>100.0</b>	<b>1,053,806</b>	<b>100.0</b>	<b>17.6</b>	<b>82.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 370: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Florida**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	176,504	60.7	0	0.0	176,504	10.8	100.0	0.0
Indirect	0	0.0	825,913	61.5	825,913	50.6	0.0	100.0
Induced	114,361	39.3	516,555	38.5	630,916	38.6	18.1	81.9
<b>Total</b>	<b>290,865</b>	<b>100.0</b>	<b>1,342,468</b>	<b>100.0</b>	<b>1,633,333</b>	<b>100.0</b>	<b>17.8</b>	<b>82.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 371: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Florida**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	3,755	64.8	0	0.0	3,755	2.4	100.0	0.0
Indirect	0	0.0	98,623	66.5	98,623	64.0	0.0	100.0
Induced	2,042	35.2	49,767	33.5	51,809	33.6	3.9	96.1
<b>Total</b>	<b>5,797</b>	<b>100.0</b>	<b>148,390</b>	<b>100.0</b>	<b>154,187</b>	<b>100.0</b>	<b>3.8</b>	<b>96.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 372: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Florida**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	5,581	60.2	0	0.0	5,581	2.3	100.0	0.0
Indirect	0	0.0	137,610	60.0	137,610	57.7	0.0	100.0
Induced	3,698	39.8	91,698	40.0	95,395	40.0	3.9	96.1
<b>Total</b>	<b>9,279</b>	<b>100.0</b>	<b>229,308</b>	<b>100.0</b>	<b>238,587</b>	<b>100.0</b>	<b>3.9</b>	<b>96.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Georgia

## NASA

Table 373: NASA Labor Income Impacts by Sources of Impact, Georgia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,815	65.9	0	0.0	3,815	11.3	100.0
Indirect	0	0.0	18,804	67.5	18,804	55.9	0.0	100.0
Induced	1,970	34.1	9,062	32.5	11,031	32.8	17.9	82.1
<b>Total</b>	<b>5,784</b>	<b>100.0</b>	<b>27,866</b>	<b>100.0</b>	<b>33,650</b>	<b>100.0</b>	<b>17.2</b>	<b>82.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 374: NASA Value Added Impacts by Sources of Impact, Georgia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	6,828	65.3	0	0.0	6,828	12.5	100.0
Indirect	0	0.0	27,190	61.8	27,190	49.9	0.0	100.0
Induced	3,624	34.7	16,806	38.2	20,430	37.5	17.7	82.3
<b>Total</b>	<b>10,452</b>	<b>100.0</b>	<b>43,996</b>	<b>100.0</b>	<b>54,449</b>	<b>100.0</b>	<b>19.2</b>	<b>80.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 375: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Georgia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	518	66.6	0	0.0	518	8.0	100.0
Indirect	0	0.0	3,853	67.3	3,853	59.3	0.0	100.0
Induced	260	33.4	1,870	32.7	2,130	32.8	12.2	87.8
<b>Total</b>	<b>778</b>	<b>100.0</b>	<b>5,724</b>	<b>100.0</b>	<b>6,501</b>	<b>100.0</b>	<b>12.0</b>	<b>88.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 376: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Georgia**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	804	62.6	0	0.0	804	7.9	100.0
Indirect	0	0.0	5,423	61.0	5,423	53.3	0.0	100.0
Induced	479	37.4	3,460	39.0	3,940	38.8	12.2	87.8
<b>Total</b>	<b>1,283</b>	<b>100.0</b>	<b>8,883</b>	<b>100.0</b>	<b>10,166</b>	<b>100.0</b>	<b>12.6</b>	<b>87.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 377: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Georgia**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	150	65.2	0	0.0	150	1.4	100.0
Indirect	0	0.0	7,047	66.8	7,047	65.4	0.0	100.0
Induced	80	34.8	3,497	33.2	3,577	33.2	2.2	97.8
<b>Total</b>	<b>230</b>	<b>100.0</b>	<b>10,544</b>	<b>100.0</b>	<b>10,775</b>	<b>100.0</b>	<b>2.1</b>	<b>97.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 378: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Georgia**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	473	76.4	0	0.0	473	2.8	100.0
Indirect	0	0.0	10,050	60.7	10,050	58.5	0.0	100.0
Induced	146	23.6	6,514	39.3	6,660	38.8	2.2	97.8
<b>Total</b>	<b>619</b>	<b>100.0</b>	<b>16,563</b>	<b>100.0</b>	<b>17,182</b>	<b>100.0</b>	<b>3.6</b>	<b>96.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Hawaii

## NASA

Table 379: NASA Labor Income Impacts by Sources of Impact, Hawaii

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,277	70.8	0	0.0	1,277	4.3	100.0
Indirect	0	0.0	19,679	71.1	19,679	66.7	0.0	100.0
Induced	527	29.2	8,002	28.9	8,529	28.9	6.2	93.8
<b>Total</b>	<b>1,804</b>	<b>100.0</b>	<b>27,681</b>	<b>100.0</b>	<b>29,485</b>	<b>100.0</b>	<b>6.1</b>	<b>93.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 380: NASA Value Added Impacts by Sources of Impact, Hawaii

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,698	63.4	0	0.0	1,698	4.1	100.0
Indirect	0	0.0	23,862	61.2	23,862	57.3	0.0	100.0
Induced	982	36.6	15,130	38.8	16,112	38.7	6.1	93.9
<b>Total</b>	<b>2,680</b>	<b>100.0</b>	<b>38,992</b>	<b>100.0</b>	<b>41,672</b>	<b>100.0</b>	<b>6.4</b>	<b>93.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 381: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Hawaii

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	279	70.9	0	0.0	279	28.0	100.0
Indirect	0	0.0	423	70.2	423	42.4	0.0	100.0
Induced	114	29.1	180	29.8	294	29.5	38.9	61.1
<b>Total</b>	<b>394</b>	<b>100.0</b>	<b>603</b>	<b>100.0</b>	<b>996</b>	<b>100.0</b>	<b>39.5</b>	<b>60.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 382: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Hawaii**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	329	61.0	0	0.0	329	27.5	100.0
Indirect	0	0.0	320	48.7	320	26.7	0.0	100.0
Induced	211	39.0	338	51.3	549	45.8	38.4	61.6
<b>Total</b>	<b>540</b>	<b>100.0</b>	<b>658</b>	<b>100.0</b>	<b>1,198</b>	<b>100.0</b>	<b>45.1</b>	<b>54.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 383: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Hawaii**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	178	70.5	0	0.0	178	4.3	100.0
Indirect	0	0.0	2,739	70.8	2,739	66.5	0.0	100.0
Induced	74	29.5	1,128	29.2	1,202	29.2	6.2	93.8
<b>Total</b>	<b>252</b>	<b>100.0</b>	<b>3,867</b>	<b>100.0</b>	<b>4,119</b>	<b>100.0</b>	<b>6.1</b>	<b>93.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 384: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Hawaii**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	297	68.2	0	0.0	297	5.1	100.0
Indirect	0	0.0	3,280	60.5	3,280	56.0	0.0	100.0
Induced	139	31.8	2,143	39.5	2,282	38.9	6.1	93.9
<b>Total</b>	<b>436</b>	<b>100.0</b>	<b>5,423</b>	<b>100.0</b>	<b>5,859</b>	<b>100.0</b>	<b>7.4</b>	<b>92.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Idaho

## NASA

Table 385: NASA Labor Income Impacts by Sources of Impact, Idaho

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	877	72.2	0	0.0	877	14.5	100.0
Indirect	0	0.0	3,519	72.6	3,519	58.1	0.0	100.0
Induced	338	27.8	1,328	27.4	1,666	27.5	20.3	79.7
<b>Total</b>	<b>1,214</b>	<b>100.0</b>	<b>4,848</b>	<b>100.0</b>	<b>6,062</b>	<b>100.0</b>	<b>20.0</b>	<b>80.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 386: NASA Value Added Impacts by Sources of Impact, Idaho

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,370	69.5	0	0.0	1,370	15.2	100.0
Indirect	0	0.0	4,646	66.0	4,646	51.6	0.0	100.0
Induced	603	30.5	2,388	34.0	2,991	33.2	20.2	79.8
<b>Total</b>	<b>1,973</b>	<b>100.0</b>	<b>7,034</b>	<b>100.0</b>	<b>9,007</b>	<b>100.0</b>	<b>21.9</b>	<b>78.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 387: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Idaho

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	142	72.7	0	0.0	142	38.7	100.0
Indirect	0	0.0	122	71.3	122	33.4	0.0	100.0
Induced	53	27.3	49	28.7	103	28.0	51.9	48.1
<b>Total</b>	<b>195</b>	<b>100.0</b>	<b>172</b>	<b>100.0</b>	<b>367</b>	<b>100.0</b>	<b>53.2</b>	<b>46.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 388: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Idaho**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	119	55.6	0	0.0	119	24.5	100.0
Indirect	0	0.0	183	67.4	183	37.7	0.0	100.0
Induced	95	44.4	89	32.6	184	37.8	51.8	48.2
<b>Total</b>	<b>214</b>	<b>100.0</b>	<b>271</b>	<b>100.0</b>	<b>485</b>	<b>100.0</b>	<b>44.1</b>	<b>55.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 389: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Idaho**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	120	71.4	0	0.0	120	5.4	100.0
Indirect	0	0.0	1,504	72.7	1,504	67.2	0.0	100.0
Induced	48	28.6	566	27.3	614	27.4	7.8	92.2
<b>Total</b>	<b>168</b>	<b>100.0</b>	<b>2,070</b>	<b>100.0</b>	<b>2,238</b>	<b>100.0</b>	<b>7.5</b>	<b>92.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 390: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Idaho**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	190	69.2	0	0.0	190	5.8	100.0
Indirect	0	0.0	1,972	65.8	1,972	60.3	0.0	100.0
Induced	85	30.8	1,024	34.2	1,109	33.9	7.6	92.4
<b>Total</b>	<b>275</b>	<b>100.0</b>	<b>2,996</b>	<b>100.0</b>	<b>3,271</b>	<b>100.0</b>	<b>8.4</b>	<b>91.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Illinois

## NASA

Table 391: NASA Labor Income Impacts by Sources of Impact, Illinois

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,742	63.1	0	0.0	2,742	3.8	100.0
Indirect	0	0.0	44,293	64.4	44,293	60.6	0.0	100.0
Induced	1,605	36.9	24,466	35.6	26,071	35.7	6.2	93.8
<b>Total</b>	<b>4,347</b>	<b>100.0</b>	<b>68,758</b>	<b>100.0</b>	<b>73,105</b>	<b>100.0</b>	<b>5.9</b>	<b>94.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 392: NASA Value Added Impacts by Sources of Impact, Illinois

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,316	66.0	0	0.0	5,316	4.7	100.0
Indirect	0	0.0	63,256	60.1	63,256	55.8	0.0	100.0
Induced	2,743	34.0	42,061	39.9	44,804	39.5	6.1	93.9
<b>Total</b>	<b>8,059</b>	<b>100.0</b>	<b>105,317</b>	<b>100.0</b>	<b>113,376</b>	<b>100.0</b>	<b>7.1</b>	<b>92.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 393: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Illinois

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	408	63.2	0	0.0	408	4.2	100.0
Indirect	0	0.0	5,745	63.5	5,745	59.3	0.0	100.0
Induced	237	36.8	3,300	36.5	3,537	36.5	6.7	93.3
<b>Total</b>	<b>645</b>	<b>100.0</b>	<b>9,045</b>	<b>100.0</b>	<b>9,690</b>	<b>100.0</b>	<b>6.7</b>	<b>93.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 394: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Illinois**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	824	67.0	0	0.0	824	5.7	100.0
Indirect	0	0.0	7,524	57.0	7,524	52.1	0.0	100.0
Induced	406	33.0	5,674	43.0	6,080	42.1	6.7	93.3
<b>Total</b>	<b>1,230</b>	<b>100.0</b>	<b>13,198</b>	<b>100.0</b>	<b>14,428</b>	<b>100.0</b>	<b>8.5</b>	<b>91.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 395: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Illinois**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	78	62.8	0	0.0	78	0.5	100.0
Indirect	0	0.0	9,475	64.0	9,475	63.5	0.0	100.0
Induced	46	37.2	5,318	36.0	5,365	36.0	0.9	99.1
<b>Total</b>	<b>124</b>	<b>100.0</b>	<b>14,793</b>	<b>100.0</b>	<b>14,917</b>	<b>100.0</b>	<b>0.8</b>	<b>99.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 396: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Illinois**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	138	63.9	0	0.0	138	0.6	100.0
Indirect	0	0.0	13,784	60.1	13,784	59.5	0.0	100.0
Induced	78	36.1	9,170	39.9	9,248	39.9	0.8	99.2
<b>Total</b>	<b>216</b>	<b>100.0</b>	<b>22,954</b>	<b>100.0</b>	<b>23,170</b>	<b>100.0</b>	<b>0.9</b>	<b>99.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Indiana

## NASA

Table 397: NASA Labor Income Impacts by Sources of Impact, Indiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,079	69.1	0	0.0	2,079	3.4	100.0
Indirect	0	0.0	40,074	69.5	40,074	66.0	0.0	100.0
Induced	932	30.9	17,623	30.5	18,555	30.6	5.0	95.0
<b>Total</b>	<b>3,011</b>	<b>100.0</b>	<b>57,698</b>	<b>100.0</b>	<b>60,709</b>	<b>100.0</b>	<b>5.0</b>	<b>95.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 398: NASA Value Added Impacts by Sources of Impact, Indiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,721	69.5	0	0.0	3,721	3.3	100.0
Indirect	0	0.0	76,149	70.9	76,149	67.5	0.0	100.0
Induced	1,636	30.5	31,297	29.1	32,933	29.2	5.0	95.0
<b>Total</b>	<b>5,357</b>	<b>100.0</b>	<b>107,446</b>	<b>100.0</b>	<b>112,803</b>	<b>100.0</b>	<b>4.7</b>	<b>95.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 399: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Indiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	386	69.4	0	0.0	386	6.7	100.0
Indirect	0	0.0	3,590	69.4	3,590	62.7	0.0	100.0
Induced	170	30.6	1,581	30.6	1,751	30.6	9.7	90.3
<b>Total</b>	<b>555</b>	<b>100.0</b>	<b>5,171</b>	<b>100.0</b>	<b>5,727</b>	<b>100.0</b>	<b>9.7</b>	<b>90.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 400: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Indiana**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	774	72.3	0	0.0	774	7.4	100.0	0.0
Indirect	0	0.0	6,524	69.9	6,524	62.7	0.0	100.0
Induced	297	27.7	2,811	30.1	3,107	29.9	9.5	90.5
<b>Total</b>	<b>1,071</b>	<b>100.0</b>	<b>9,334</b>	<b>100.0</b>	<b>10,405</b>	<b>100.0</b>	<b>10.3</b>	<b>89.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 401: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Indiana**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	103	68.6	0	0.0	103	1.9	100.0	0.0
Indirect	0	0.0	3,663	69.3	3,663	67.4	0.0	100.0
Induced	47	31.4	1,621	30.7	1,668	30.7	2.8	97.2
<b>Total</b>	<b>150</b>	<b>100.0</b>	<b>5,284</b>	<b>100.0</b>	<b>5,434</b>	<b>100.0</b>	<b>2.8</b>	<b>97.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 402: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Indiana**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	183	68.8	0	0.0	183	1.8	100.0	0.0
Indirect	0	0.0	6,816	70.1	6,816	68.3	0.0	100.0
Induced	83	31.2	2,902	29.9	2,985	29.9	2.8	97.2
<b>Total</b>	<b>266</b>	<b>100.0</b>	<b>9,718</b>	<b>100.0</b>	<b>9,983</b>	<b>100.0</b>	<b>2.7</b>	<b>97.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Iowa

## NASA

Table 403: NASA Labor Income Impacts by Sources of Impact, Iowa

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,139	74.5	0	0.0	1,139	2.9	100.0
Indirect	0	0.0	27,764	74.7	27,764	71.8	0.0	100.0
Induced	390	25.5	9,402	25.3	9,792	25.3	4.0	96.0
<b>Total</b>	<b>1,529</b>	<b>100.0</b>	<b>37,165</b>	<b>100.0</b>	<b>38,695</b>	<b>100.0</b>	<b>4.0</b>	<b>96.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 404: NASA Value Added Impacts by Sources of Impact, Iowa

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,587	68.3	0	0.0	1,587	2.6	100.0
Indirect	0	0.0	41,860	69.9	41,860	67.3	0.0	100.0
Induced	736	31.7	18,009	30.1	18,746	30.1	3.9	96.1
<b>Total</b>	<b>2,324</b>	<b>100.0</b>	<b>59,869</b>	<b>100.0</b>	<b>62,193</b>	<b>100.0</b>	<b>3.7</b>	<b>96.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 405: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Iowa

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	16	75.0	0	0.0	16	9.1	100.0
Indirect	0	0.0	114	74.5	114	65.5	0.0	100.0
Induced	5	25.0	39	25.5	44	25.4	12.0	88.0
<b>Total</b>	<b>21</b>	<b>100.0</b>	<b>153</b>	<b>100.0</b>	<b>174</b>	<b>100.0</b>	<b>12.2</b>	<b>87.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 406: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Iowa**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	20	66.5	0	0.0	20	7.3	100.0
Indirect	0	0.0	166	69.0	166	61.4	0.0	100.0
Induced	10	33.5	75	31.0	85	31.3	11.7	88.3
<b>Total</b>	<b>30</b>	<b>100.0</b>	<b>241</b>	<b>100.0</b>	<b>271</b>	<b>100.0</b>	<b>11.0</b>	<b>89.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 407: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Iowa**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	180	73.9	0	0.0	180	8.7	100.0
Indirect	0	0.0	1,362	74.7	1,362	65.9	0.0	100.0
Induced	63	26.1	461	25.3	525	25.4	12.1	87.9
<b>Total</b>	<b>243</b>	<b>100.0</b>	<b>1,824</b>	<b>100.0</b>	<b>2,067</b>	<b>100.0</b>	<b>11.8</b>	<b>88.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 408: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Iowa**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	355	74.9	0	0.0	355	10.3	100.0
Indirect	0	0.0	2,078	70.2	2,078	60.5	0.0	100.0
Induced	119	25.1	882	29.8	1,002	29.2	11.9	88.1
<b>Total</b>	<b>475</b>	<b>100.0</b>	<b>2,960</b>	<b>100.0</b>	<b>3,435</b>	<b>100.0</b>	<b>13.8</b>	<b>86.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Kansas

## NASA

Table 409: NASA Labor Income Impacts by Sources of Impact, Kansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,356	73.5	0	0.0	1,356	12.2	100.0
Indirect	0	0.0	6,830	73.8	6,830	61.5	0.0	100.0
Induced	489	26.5	2,424	26.2	2,913	26.2	16.8	83.2
<b>Total</b>	<b>1,845</b>	<b>100.0</b>	<b>9,254</b>	<b>100.0</b>	<b>11,098</b>	<b>100.0</b>	<b>16.6</b>	<b>83.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 410: NASA Value Added Impacts by Sources of Impact, Kansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,249	71.9	0	0.0	2,249	13.2	100.0
Indirect	0	0.0	9,467	68.2	9,467	55.7	0.0	100.0
Induced	878	28.1	4,407	31.8	5,285	31.1	16.6	83.4
<b>Total</b>	<b>3,127</b>	<b>100.0</b>	<b>13,874</b>	<b>100.0</b>	<b>17,001</b>	<b>100.0</b>	<b>18.4</b>	<b>81.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 411: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Kansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	164	74.1	0	0.0	164	40.9	100.0
Indirect	0	0.0	132	73.1	132	32.8	0.0	100.0
Induced	58	25.9	49	26.9	106	26.4	54.2	45.8
<b>Total</b>	<b>222</b>	<b>100.0</b>	<b>181</b>	<b>100.0</b>	<b>403</b>	<b>100.0</b>	<b>55.2</b>	<b>44.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 412: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Kansas**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	361	77.8	0	0.0	361	49.8	100.0
Indirect	0	0.0	173	66.3	173	23.9	0.0	100.0
Induced	103	22.2	88	33.7	191	26.4	54.0	46.0
<b>Total</b>	<b>464</b>	<b>100.0</b>	<b>261</b>	<b>100.0</b>	<b>725</b>	<b>100.0</b>	<b>64.0</b>	<b>36.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 413: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Kansas**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	496	72.6	0	0.0	496	11.6	100.0
Indirect	0	0.0	2,644	73.5	2,644	61.8	0.0	100.0
Induced	187	27.4	951	26.5	1,139	26.6	16.5	83.5
<b>Total</b>	<b>684</b>	<b>100.0</b>	<b>3,595</b>	<b>100.0</b>	<b>4,279</b>	<b>100.0</b>	<b>16.0</b>	<b>84.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 414: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Kansas**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	782	70.1	0	0.0	782	12.0	100.0
Indirect	0	0.0	3,662	67.8	3,662	56.2	0.0	100.0
Induced	334	29.9	1,739	32.2	2,073	31.8	16.1	83.9
<b>Total</b>	<b>1,116</b>	<b>100.0</b>	<b>5,402</b>	<b>100.0</b>	<b>6,518</b>	<b>100.0</b>	<b>17.1</b>	<b>82.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Kentucky

## NASA

Table 415: NASA Labor Income Impacts by Sources of Impact, Kentucky

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,226	71.7	0	0.0	1,226	18.0	100.0
Indirect	0	0.0	3,701	72.6	3,701	54.4	0.0	100.0
Induced	483	28.3	1,395	27.4	1,878	27.6	25.7	74.3
<b>Total</b>	<b>1,709</b>	<b>100.0</b>	<b>5,096</b>	<b>100.0</b>	<b>6,805</b>	<b>100.0</b>	<b>25.1</b>	<b>74.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 416: NASA Value Added Impacts by Sources of Impact, Kentucky

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,088	71.3	0	0.0	2,088	19.2	100.0
Indirect	0	0.0	5,506	69.1	5,506	50.5	0.0	100.0
Induced	840	28.7	2,459	30.9	3,299	30.3	25.5	74.5
<b>Total</b>	<b>2,928</b>	<b>100.0</b>	<b>7,965</b>	<b>100.0</b>	<b>10,893</b>	<b>100.0</b>	<b>26.9</b>	<b>73.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 417: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Kentucky

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	374	72.3	0	0.0	374	24.5	100.0
Indirect	0	0.0	726	71.9	726	47.5	0.0	100.0
Induced	143	27.7	284	28.1	427	28.0	33.5	66.5
<b>Total</b>	<b>517</b>	<b>100.0</b>	<b>1,009</b>	<b>100.0</b>	<b>1,526</b>	<b>100.0</b>	<b>33.9</b>	<b>66.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 418: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Kentucky**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	666	72.9	0	0.0	666	28.0	100.0
Indirect	0	0.0	965	65.9	965	40.6	0.0	100.0
Induced	247	27.1	499	34.1	746	31.4	33.2	66.8
<b>Total</b>	<b>913</b>	<b>100.0</b>	<b>1,464</b>	<b>100.0</b>	<b>2,377</b>	<b>100.0</b>	<b>38.4</b>	<b>61.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 419: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Kentucky**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	201	71.0	0	0.0	201	26.5	100.0
Indirect	0	0.0	342	72.0	342	45.1	0.0	100.0
Induced	82	29.0	133	28.0	216	28.4	38.2	61.8
<b>Total</b>	<b>284</b>	<b>100.0</b>	<b>475</b>	<b>100.0</b>	<b>759</b>	<b>100.0</b>	<b>37.4</b>	<b>62.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 420: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Kentucky**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	263	64.7	0	0.0	263	23.6	100.0
Indirect	0	0.0	472	66.6	472	42.4	0.0	100.0
Induced	143	35.3	236	33.4	380	34.1	37.7	62.3
<b>Total</b>	<b>406</b>	<b>100.0</b>	<b>708</b>	<b>100.0</b>	<b>1,114</b>	<b>100.0</b>	<b>36.4</b>	<b>63.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Louisiana

## NASA

Table 421: NASA Labor Income Impacts by Sources of Impact, Louisiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	34,987	72.3	0	0.0	34,987	22.0	100.0
Indirect	0	0.0	82,121	74.2	82,121	51.6	0.0	100.0
Induced	13,428	27.7	28,605	25.8	42,033	26.4	31.9	68.1
<b>Total</b>	<b>48,415</b>	<b>100.0</b>	<b>110,726</b>	<b>100.0</b>	<b>159,141</b>	<b>100.0</b>	<b>30.4</b>	<b>69.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 422: NASA Value Added Impacts by Sources of Impact, Louisiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	49,063	66.3	0	0.0	49,063	19.9	100.0
Indirect	0	0.0	118,791	68.9	118,791	48.2	0.0	100.0
Induced	24,934	33.7	53,698	31.1	78,632	31.9	31.7	68.3
<b>Total</b>	<b>73,997</b>	<b>100.0</b>	<b>172,488</b>	<b>100.0</b>	<b>246,485</b>	<b>100.0</b>	<b>30.0</b>	<b>70.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 423: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Louisiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	9,148	72.7	0	0.0	9,148	13.7	100.0
Indirect	0	0.0	40,643	75.0	40,643	60.8	0.0	100.0
Induced	3,431	27.3	13,575	25.0	17,006	25.5	20.2	79.8
<b>Total</b>	<b>12,580</b>	<b>100.0</b>	<b>54,218</b>	<b>100.0</b>	<b>66,798</b>	<b>100.0</b>	<b>18.8</b>	<b>81.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 424: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Louisiana**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	13,266	67.8	0	0.0	13,266	12.5	100.0
Indirect	0	0.0	61,616	70.9	61,616	57.9	0.0	100.0
Induced	6,300	32.2	25,302	29.1	31,602	29.7	19.9	80.1
<b>Total</b>	<b>19,566</b>	<b>100.0</b>	<b>86,918</b>	<b>100.0</b>	<b>106,484</b>	<b>100.0</b>	<b>18.4</b>	<b>81.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 425: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Louisiana**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	481	71.2	0	0.0	481	8.7	100.0
Indirect	0	0.0	3,549	73.1	3,549	64.2	0.0	100.0
Induced	195	28.8	1,304	26.9	1,498	27.1	13.0	87.0
<b>Total</b>	<b>676</b>	<b>100.0</b>	<b>4,853</b>	<b>100.0</b>	<b>5,528</b>	<b>100.0</b>	<b>12.2</b>	<b>87.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 426: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Louisiana**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	731	66.8	0	0.0	731	8.9	100.0
Indirect	0	0.0	4,645	65.2	4,645	56.5	0.0	100.0
Induced	364	33.2	2,483	34.8	2,847	34.6	12.8	87.2
<b>Total</b>	<b>1,095</b>	<b>100.0</b>	<b>7,128</b>	<b>100.0</b>	<b>8,223</b>	<b>100.0</b>	<b>13.3</b>	<b>86.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Maine

## NASA

Table 427: NASA Labor Income Impacts by Sources of Impact, Maine

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	657	69.0	0	0.0	657	5.1	100.0
Indirect	0	0.0	8,347	69.8	8,347	64.7	0.0	100.0
Induced	295	31.0	3,603	30.2	3,898	30.2	7.6	92.4
<b>Total</b>	<b>952</b>	<b>100.0</b>	<b>11,951</b>	<b>100.0</b>	<b>12,902</b>	<b>100.0</b>	<b>7.4</b>	<b>92.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 428: NASA Value Added Impacts by Sources of Impact, Maine

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	957	64.0	0	0.0	957	4.6	100.0
Indirect	0	0.0	12,665	65.6	12,665	60.9	0.0	100.0
Induced	538	36.0	6,647	34.4	7,185	34.5	7.5	92.5
<b>Total</b>	<b>1,494</b>	<b>100.0</b>	<b>19,312</b>	<b>100.0</b>	<b>20,807</b>	<b>100.0</b>	<b>7.2</b>	<b>92.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 429: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Maine

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	236	69.2	0	0.0	236	9.4	100.0
Indirect	0	0.0	1,504	69.3	1,504	59.9	0.0	100.0
Induced	105	30.8	665	30.7	770	30.7	13.6	86.4
<b>Total</b>	<b>341</b>	<b>100.0</b>	<b>2,169</b>	<b>100.0</b>	<b>2,510</b>	<b>100.0</b>	<b>13.6</b>	<b>86.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 430: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Maine**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	257	57.7	0	0.0	257	6.5	100.0
Indirect	0	0.0	2,294	65.3	2,294	58.0	0.0	100.0
Induced	188	42.3	1,217	34.7	1,405	35.5	13.4	86.6
<b>Total</b>	<b>445</b>	<b>100.0</b>	<b>3,511</b>	<b>100.0</b>	<b>3,956</b>	<b>100.0</b>	<b>11.3</b>	<b>88.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 431: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Maine**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	74	68.6	0	0.0	74	1.5	100.0
Indirect	0	0.0	3,503	70.3	3,503	68.8	0.0	100.0
Induced	34	31.4	1,478	29.7	1,512	29.7	2.3	97.7
<b>Total</b>	<b>108</b>	<b>100.0</b>	<b>4,981</b>	<b>100.0</b>	<b>5,089</b>	<b>100.0</b>	<b>2.1</b>	<b>97.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 432: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Maine**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	162	72.2	0	0.0	162	1.9	100.0
Indirect	0	0.0	5,561	66.9	5,561	65.2	0.0	100.0
Induced	62	27.8	2,749	33.1	2,812	32.9	2.2	97.8
<b>Total</b>	<b>224</b>	<b>100.0</b>	<b>8,310</b>	<b>100.0</b>	<b>8,534</b>	<b>100.0</b>	<b>2.6</b>	<b>97.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Maryland

## NASA

Table 433: NASA Labor Income Impacts by Sources of Impact, Maryland

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	650,169	72.4	0	0.0	650,169	19.9	100.0
Indirect	0	0.0	1,724,234	72.6	1,724,234	52.7	0.0	100.0
Induced	248,229	27.6	651,132	27.4	899,360	27.5	27.6	72.4
<b>Total</b>	<b>898,398</b>	<b>100.0</b>	<b>2,375,366</b>	<b>100.0</b>	<b>3,273,763</b>	<b>100.0</b>	<b>27.4</b>	<b>72.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 434: NASA Value Added Impacts by Sources of Impact, Maryland

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	787,488	63.7	0	0.0	787,488	16.6	100.0
Indirect	0	0.0	2,332,889	66.3	2,332,889	49.0	0.0	100.0
Induced	448,434	36.3	1,187,919	33.7	1,636,354	34.4	27.4	72.6
<b>Total</b>	<b>1,235,922</b>	<b>100.0</b>	<b>3,520,808</b>	<b>100.0</b>	<b>4,756,730</b>	<b>100.0</b>	<b>26.0</b>	<b>74.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 435: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Maryland

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	36,291	72.3	0	0.0	36,291	23.3	100.0
Indirect	0	0.0	76,799	72.6	76,799	49.2	0.0	100.0
Induced	13,876	27.7	28,987	27.4	42,863	27.5	32.4	67.6
<b>Total</b>	<b>50,167</b>	<b>100.0</b>	<b>105,785</b>	<b>100.0</b>	<b>155,953</b>	<b>100.0</b>	<b>32.2</b>	<b>67.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 436: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Maryland**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	44,717	64.2	0	0.0	44,717	19.7	100.0	0.0
Indirect	0	0.0	105,037	66.7	105,037	46.2	0.0	100.0
Induced	24,912	35.8	52,457	33.3	77,370	34.1	32.2	67.8
<b>Total</b>	<b>69,629</b>	<b>100.0</b>	<b>157,494</b>	<b>100.0</b>	<b>227,123</b>	<b>100.0</b>	<b>30.7</b>	<b>69.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 437: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Maryland**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	89,107	72.2	0	0.0	89,107	17.3	100.0	0.0
Indirect	0	0.0	285,028	72.7	285,028	55.3	0.0	100.0
Induced	34,326	27.8	106,933	27.3	141,258	27.4	24.3	75.7
<b>Total</b>	<b>123,433</b>	<b>100.0</b>	<b>391,960</b>	<b>100.0</b>	<b>515,393</b>	<b>100.0</b>	<b>23.9</b>	<b>76.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 438: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Maryland**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	108,083	63.5	0	0.0	108,083	14.1	100.0	0.0
Indirect	0	0.0	399,050	67.0	399,050	52.1	0.0	100.0
Induced	62,091	36.5	196,315	33.0	258,407	33.8	24.0	76.0
<b>Total</b>	<b>170,175</b>	<b>100.0</b>	<b>595,365</b>	<b>100.0</b>	<b>765,540</b>	<b>100.0</b>	<b>22.2</b>	<b>77.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Massachusetts

## NASA

Table 439: NASA Labor Income Impacts by Sources of Impact, Massachusetts

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,903	63.6	0	0.0	3,903	1.3	100.0
Indirect	0	0.0	195,251	64.9	195,251	63.6	0.0	100.0
Induced	2,231	36.4	105,745	35.1	107,976	35.2	2.1	97.9
<b>Total</b>	<b>6,134</b>	<b>100.0</b>	<b>300,996</b>	<b>100.0</b>	<b>307,129</b>	<b>100.0</b>	<b>2.0</b>	<b>98.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 440: NASA Value Added Impacts by Sources of Impact, Massachusetts

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,035	58.3	0	0.0	5,035	1.1	100.0
Indirect	0	0.0	262,007	60.4	262,007	59.2	0.0	100.0
Induced	3,600	41.7	172,008	39.6	175,608	39.7	2.1	97.9
<b>Total</b>	<b>8,635</b>	<b>100.0</b>	<b>434,015</b>	<b>100.0</b>	<b>442,650</b>	<b>100.0</b>	<b>2.0</b>	<b>98.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 441: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Massachusetts

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	951	63.1	0	0.0	951	4.7	100.0
Indirect	0	0.0	12,266	65.0	12,266	60.2	0.0	100.0
Induced	556	36.9	6,612	35.0	7,168	35.2	7.8	92.2
<b>Total</b>	<b>1,507</b>	<b>100.0</b>	<b>18,878</b>	<b>100.0</b>	<b>20,385</b>	<b>100.0</b>	<b>7.4</b>	<b>92.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 442: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Massachusetts**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,410	61.5	0	0.0	1,410	4.7	100.0
Indirect	0	0.0	17,303	61.8	17,303	57.1	0.0	100.0
Induced	883	38.5	10,704	38.2	11,587	38.2	7.6	92.4
<b>Total</b>	<b>2,293</b>	<b>100.0</b>	<b>28,007</b>	<b>100.0</b>	<b>30,300</b>	<b>100.0</b>	<b>7.6</b>	<b>92.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 443: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Massachusetts**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	568	63.7	0	0.0	568	0.7	100.0
Indirect	0	0.0	53,472	65.0	53,472	64.3	0.0	100.0
Induced	324	36.3	28,780	35.0	29,104	35.0	1.1	98.9
<b>Total</b>	<b>893</b>	<b>100.0</b>	<b>82,252</b>	<b>100.0</b>	<b>83,145</b>	<b>100.0</b>	<b>1.1</b>	<b>98.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 444: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Massachusetts**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	796	60.6	0	0.0	796	0.7	100.0
Indirect	0	0.0	72,697	60.8	72,697	60.1	0.0	100.0
Induced	518	39.4	46,961	39.2	47,479	39.2	1.1	98.9
<b>Total</b>	<b>1,314</b>	<b>100.0</b>	<b>119,657</b>	<b>100.0</b>	<b>120,971</b>	<b>100.0</b>	<b>1.1</b>	<b>98.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Michigan

## NASA

Table 445: NASA Labor Income Impacts by Sources of Impact, Michigan

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,901	65.8	0	0.0	2,901	4.1	100.0
Indirect	0	0.0	45,143	67.2	45,143	63.0	0.0	100.0
Induced	1,510	34.2	22,050	32.8	23,559	32.9	6.4	93.6
<b>Total</b>	<b>4,411</b>	<b>100.0</b>	<b>67,193</b>	<b>100.0</b>	<b>71,603</b>	<b>100.0</b>	<b>6.2</b>	<b>93.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 446: NASA Value Added Impacts by Sources of Impact, Michigan

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,263	67.1	0	0.0	5,263	5.0	100.0
Indirect	0	0.0	60,307	61.3	60,307	56.8	0.0	100.0
Induced	2,579	32.9	38,082	38.7	40,661	38.3	6.3	93.7
<b>Total</b>	<b>7,842</b>	<b>100.0</b>	<b>98,389</b>	<b>100.0</b>	<b>106,231</b>	<b>100.0</b>	<b>7.4</b>	<b>92.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 447: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Michigan

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	640	66.2	0	0.0	640	9.5	100.0
Indirect	0	0.0	3,842	66.9	3,842	57.3	0.0	100.0
Induced	327	33.8	1,902	33.1	2,228	33.2	14.7	85.3
<b>Total</b>	<b>967</b>	<b>100.0</b>	<b>5,743</b>	<b>100.0</b>	<b>6,711</b>	<b>100.0</b>	<b>14.4</b>	<b>85.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 448: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Michigan**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,186	68.1	0	0.0	1,186	11.6	100.0
Indirect	0	0.0	5,242	61.6	5,242	51.1	0.0	100.0
Induced	555	31.9	3,270	38.4	3,825	37.3	14.5	85.5
<b>Total</b>	<b>1,740</b>	<b>100.0</b>	<b>8,512</b>	<b>100.0</b>	<b>10,252</b>	<b>100.0</b>	<b>17.0</b>	<b>83.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 449: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Michigan**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	289	65.2	0	0.0	289	0.9	100.0
Indirect	0	0.0	20,344	66.8	20,344	65.8	0.0	100.0
Induced	154	34.8	10,132	33.2	10,286	33.3	1.5	98.5
<b>Total</b>	<b>443</b>	<b>100.0</b>	<b>30,476</b>	<b>100.0</b>	<b>30,919</b>	<b>100.0</b>	<b>1.4</b>	<b>98.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 450: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Michigan**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	369	58.3	0	0.0	369	0.8	100.0
Indirect	0	0.0	27,368	60.9	27,368	60.0	0.0	100.0
Induced	264	41.7	17,597	39.1	17,861	39.2	1.5	98.5
<b>Total</b>	<b>634</b>	<b>100.0</b>	<b>44,966</b>	<b>100.0</b>	<b>45,599</b>	<b>100.0</b>	<b>1.4</b>	<b>98.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Minnesota

## NASA

Table 451: NASA Labor Income Impacts by Sources of Impact, Minnesota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,051	63.8	0	0.0	2,051	8.4	100.0
Indirect	0	0.0	13,993	65.8	13,993	57.1	0.0	100.0
Induced	1,166	36.2	7,283	34.2	8,449	34.5	13.8	86.2
<b>Total</b>	<b>3,217</b>	<b>100.0</b>	<b>21,276</b>	<b>100.0</b>	<b>24,493</b>	<b>100.0</b>	<b>13.1</b>	<b>86.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 452: NASA Value Added Impacts by Sources of Impact, Minnesota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,685	65.1	0	0.0	3,685	9.8	100.0
Indirect	0	0.0	19,413	60.9	19,413	51.7	0.0	100.0
Induced	1,972	34.9	12,488	39.1	14,460	38.5	13.6	86.4
<b>Total</b>	<b>5,657</b>	<b>100.0</b>	<b>31,901</b>	<b>100.0</b>	<b>37,558</b>	<b>100.0</b>	<b>15.1</b>	<b>84.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 453: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Minnesota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	592	64.2	0	0.0	592	16.3	100.0
Indirect	0	0.0	1,814	67.1	1,814	50.0	0.0	100.0
Induced	331	35.8	889	32.9	1,220	33.7	27.1	72.9
<b>Total</b>	<b>923</b>	<b>100.0</b>	<b>2,703</b>	<b>100.0</b>	<b>3,626</b>	<b>100.0</b>	<b>25.4</b>	<b>74.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 454: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Minnesota**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	933	62.6	0	0.0	933	16.5	100.0	0.0
Indirect	0	0.0	2,636	63.4	2,636	46.6	0.0	100.0
Induced	558	37.4	1,524	36.6	2,082	36.8	26.8	73.2
<b>Total</b>	<b>1,491</b>	<b>100.0</b>	<b>4,160</b>	<b>100.0</b>	<b>5,651</b>	<b>100.0</b>	<b>26.4</b>	<b>73.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 455: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Minnesota**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	220	63.2	0	0.0	220	4.4	100.0	0.0
Indirect	0	0.0	3,036	65.2	3,036	60.6	0.0	100.0
Induced	129	36.8	1,622	34.8	1,751	35.0	7.3	92.7
<b>Total</b>	<b>349</b>	<b>100.0</b>	<b>4,659</b>	<b>100.0</b>	<b>5,008</b>	<b>100.0</b>	<b>7.0</b>	<b>93.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 456: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Minnesota**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	508	70.1	0	0.0	508	6.6	100.0	0.0
Indirect	0	0.0	4,194	60.1	4,194	54.4	0.0	100.0
Induced	216	29.9	2,788	39.9	3,004	39.0	7.2	92.8
<b>Total</b>	<b>725</b>	<b>100.0</b>	<b>6,982</b>	<b>100.0</b>	<b>7,706</b>	<b>100.0</b>	<b>9.4</b>	<b>90.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Mississippi

## NASA

Table 457: NASA Labor Income Impacts by Sources of Impact, Mississippi

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	47,585	76.9	0	0.0	47,585	18.7	100.0
Indirect	0	0.0	148,720	77.3	148,720	58.5	0.0	100.0
Induced	14,263	23.1	43,704	22.7	57,967	22.8	24.6	75.4
<b>Total</b>	<b>61,848</b>	<b>100.0</b>	<b>192,424</b>	<b>100.0</b>	<b>254,272</b>	<b>100.0</b>	<b>24.3</b>	<b>75.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 458: NASA Value Added Impacts by Sources of Impact, Mississippi

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	71,620	72.2	0	0.0	71,620	17.8	100.0
Indirect	0	0.0	217,588	71.9	217,588	54.1	0.0	100.0
Induced	27,532	27.8	85,124	28.1	112,657	28.0	24.4	75.6
<b>Total</b>	<b>99,152</b>	<b>100.0</b>	<b>302,713</b>	<b>100.0</b>	<b>401,865</b>	<b>100.0</b>	<b>24.7</b>	<b>75.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 459: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Mississippi

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	6,007	77.6	0	0.0	6,007	14.2	100.0
Indirect	0	0.0	27,226	78.9	27,226	64.5	0.0	100.0
Induced	1,735	22.4	7,262	21.1	8,998	21.3	19.3	80.7
<b>Total</b>	<b>7,742</b>	<b>100.0</b>	<b>34,488</b>	<b>100.0</b>	<b>42,230</b>	<b>100.0</b>	<b>18.3</b>	<b>81.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 460: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Mississippi**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	8,896	72.7	0	0.0	8,896	12.7	100.0	0.0
Indirect	0	0.0	43,566	75.5	43,566	62.3	0.0	100.0
Induced	3,338	27.3	14,101	24.5	17,438	24.9	19.1	80.9
<b>Total</b>	<b>12,234</b>	<b>100.0</b>	<b>57,667</b>	<b>100.0</b>	<b>69,900</b>	<b>100.0</b>	<b>17.5</b>	<b>82.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 461: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Mississippi**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	415	76.0	0	0.0	415	2.9	100.0	0.0
Indirect	0	0.0	10,570	76.4	10,570	73.5	0.0	100.0
Induced	131	24.0	3,266	23.6	3,397	23.6	3.9	96.1
<b>Total</b>	<b>546</b>	<b>100.0</b>	<b>13,837</b>	<b>100.0</b>	<b>14,383</b>	<b>100.0</b>	<b>3.8</b>	<b>96.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 462: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Mississippi**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	560	69.0	0	0.0	560	2.6	100.0	0.0
Indirect	0	0.0	14,225	69.0	14,225	66.4	0.0	100.0
Induced	251	31.0	6,397	31.0	6,649	31.0	3.8	96.2
<b>Total</b>	<b>811</b>	<b>100.0</b>	<b>20,623</b>	<b>100.0</b>	<b>21,434</b>	<b>100.0</b>	<b>3.8</b>	<b>96.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Missouri

## NASA

Table 463: NASA Labor Income Impacts by Sources of Impact, Missouri

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,996	68.9	0	0.0	1,996	7.1	100.0
Indirect	0	0.0	17,498	69.8	17,498	62.6	0.0	100.0
Induced	902	31.1	7,560	30.2	8,462	30.3	10.7	89.3
<b>Total</b>	<b>2,898</b>	<b>100.0</b>	<b>25,057</b>	<b>100.0</b>	<b>27,956</b>	<b>100.0</b>	<b>10.4</b>	<b>89.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 464: NASA Value Added Impacts by Sources of Impact, Missouri

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,296	67.4	0	0.0	3,296	7.5	100.0
Indirect	0	0.0	25,638	65.5	25,638	58.2	0.0	100.0
Induced	1,595	32.6	13,532	34.5	15,127	34.3	10.5	89.5
<b>Total</b>	<b>4,891</b>	<b>100.0</b>	<b>39,170</b>	<b>100.0</b>	<b>44,061</b>	<b>100.0</b>	<b>11.1</b>	<b>88.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 465: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Missouri

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	344	69.4	0	0.0	344	11.7	100.0
Indirect	0	0.0	1,711	69.8	1,711	58.1	0.0	100.0
Induced	152	30.6	740	30.2	892	30.3	17.0	83.0
<b>Total</b>	<b>496</b>	<b>100.0</b>	<b>2,451</b>	<b>100.0</b>	<b>2,947</b>	<b>100.0</b>	<b>16.8</b>	<b>83.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 466: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Missouri**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	507	65.4	0	0.0	507	11.2	100.0
Indirect	0	0.0	2,426	64.7	2,426	53.6	0.0	100.0
Induced	269	34.6	1,323	35.3	1,591	35.2	16.9	83.1
<b>Total</b>	<b>775</b>	<b>100.0</b>	<b>3,749</b>	<b>100.0</b>	<b>4,524</b>	<b>100.0</b>	<b>17.1</b>	<b>82.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 467: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Missouri**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	95	68.1	0	0.0	95	1.3	100.0
Indirect	0	0.0	4,948	69.7	4,948	68.4	0.0	100.0
Induced	45	31.9	2,146	30.3	2,191	30.3	2.0	98.0
<b>Total</b>	<b>140</b>	<b>100.0</b>	<b>7,095</b>	<b>100.0</b>	<b>7,234</b>	<b>100.0</b>	<b>1.9</b>	<b>98.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 468: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Missouri**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	208	72.8	0	0.0	208	1.9	100.0
Indirect	0	0.0	7,074	64.7	7,074	63.1	0.0	100.0
Induced	78	27.2	3,852	35.3	3,930	35.1	2.0	98.0
<b>Total</b>	<b>286</b>	<b>100.0</b>	<b>10,927</b>	<b>100.0</b>	<b>11,213</b>	<b>100.0</b>	<b>2.6</b>	<b>97.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Montana

## NASA

Table 469: NASA Labor Income Impacts by Sources of Impact, Montana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	383	71.3	0	0.0	383	3.7	100.0
Indirect	0	0.0	7,111	71.6	7,111	67.9	0.0	100.0
Induced	154	28.7	2,822	28.4	2,976	28.4	5.2	94.8
<b>Total</b>	<b>537</b>	<b>100.0</b>	<b>9,933</b>	<b>100.0</b>	<b>10,470</b>	<b>100.0</b>	<b>5.1</b>	<b>94.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 470: NASA Value Added Impacts by Sources of Impact, Montana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	780	75.0	0	0.0	780	5.1	100.0
Indirect	0	0.0	9,410	66.3	9,410	61.8	0.0	100.0
Induced	260	25.0	4,781	33.7	5,041	33.1	5.2	94.8
<b>Total</b>	<b>1,040</b>	<b>100.0</b>	<b>14,190</b>	<b>100.0</b>	<b>15,231</b>	<b>100.0</b>	<b>6.8</b>	<b>93.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 471: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Montana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	97	71.8	97	71.8	0.0	100.0
Induced	0	n.a.	38	28.2	38	28.2	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>135</b>	<b>100.0</b>	<b>135</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 472: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Montana**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	129	66.7	129	66.7	0.0	100.0
Induced	0	n.a.	64	33.3	64	33.3	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>193</b>	<b>100.0</b>	<b>193</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 473: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Montana**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	2,530	71.6	2,530	71.6	0.0	100.0
Induced	0	n.a.	1,004	28.4	1,004	28.4	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>3,534</b>	<b>100.0</b>	<b>3,534</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 474: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Montana**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	3,395	66.4	3,395	66.4	0.0	100.0
Induced	0	n.a.	1,714	33.6	1,714	33.6	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>5,109</b>	<b>100.0</b>	<b>5,109</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Nebraska

## NASA

Table 475: NASA Labor Income Impacts by Sources of Impact, Nebraska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	301	72.1	0	0.0	301	12.4	100.0
Indirect	0	0.0	1,472	73.1	1,472	60.5	0.0	100.0
Induced	116	27.9	543	26.9	659	27.1	17.7	82.3
<b>Total</b>	<b>418</b>	<b>100.0</b>	<b>2,015</b>	<b>100.0</b>	<b>2,432</b>	<b>100.0</b>	<b>17.2</b>	<b>82.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 476: NASA Value Added Impacts by Sources of Impact, Nebraska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	531	70.5	0	0.0	531	13.0	100.0
Indirect	0	0.0	2,287	68.8	2,287	56.1	0.0	100.0
Induced	223	29.5	1,039	31.2	1,262	30.9	17.6	82.4
<b>Total</b>	<b>754</b>	<b>100.0</b>	<b>3,327</b>	<b>100.0</b>	<b>4,080</b>	<b>100.0</b>	<b>18.5</b>	<b>81.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 477: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Nebraska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	119	72.7	0	0.0	119	42.2	100.0
Indirect	0	0.0	85	72.2	85	30.2	0.0	100.0
Induced	45	27.3	33	27.8	77	27.5	57.7	42.3
<b>Total</b>	<b>163</b>	<b>100.0</b>	<b>118</b>	<b>100.0</b>	<b>281</b>	<b>100.0</b>	<b>58.1</b>	<b>41.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 478: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Nebraska**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	175	67.3	0	0.0	175	39.7	100.0
Indirect	0	0.0	118	65.3	118	26.7	0.0	100.0
Induced	85	32.7	63	34.7	148	33.5	57.7	42.3
<b>Total</b>	<b>261</b>	<b>100.0</b>	<b>180</b>	<b>100.0</b>	<b>441</b>	<b>100.0</b>	<b>59.1</b>	<b>40.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 479: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Nebraska**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	264	73.1	264	73.1	0.0	100.0
Induced	0	n.a.	97	26.9	97	26.9	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>361</b>	<b>100.0</b>	<b>361</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 480: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Nebraska**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	409	68.6	409	68.6	0.0	100.0
Induced	0	n.a.	187	31.4	187	31.4	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>595</b>	<b>100.0</b>	<b>595</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Nevada

## NASA

Table 481: NASA Labor Income Impacts by Sources of Impact, Nevada

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,016	71.4	0	0.0	1,016	2.1	100.0
Indirect	0	0.0	32,795	69.1	32,795	67.1	0.0	100.0
Induced	407	28.6	14,650	30.9	15,057	30.8	2.7	97.3
<b>Total</b>	<b>1,423</b>	<b>100.0</b>	<b>47,445</b>	<b>100.0</b>	<b>48,868</b>	<b>100.0</b>	<b>2.9</b>	<b>97.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 482: NASA Value Added Impacts by Sources of Impact, Nevada

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,482	65.2	0	0.0	1,482	1.9	100.0
Indirect	0	0.0	47,281	62.2	47,281	60.4	0.0	100.0
Induced	789	34.8	28,709	37.8	29,499	37.7	2.7	97.3
<b>Total</b>	<b>2,271</b>	<b>100.0</b>	<b>75,990</b>	<b>100.0</b>	<b>78,261</b>	<b>100.0</b>	<b>2.9</b>	<b>97.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 483: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Nevada

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	10	71.8	0	0.0	10	0.0	100.0
Indirect	0	0.0	29,338	69.5	29,338	69.5	0.0	100.0
Induced	4	28.2	12,856	30.5	12,860	30.5	<0.1	100.0
<b>Total</b>	<b>14</b>	<b>100.0</b>	<b>42,194</b>	<b>100.0</b>	<b>42,208</b>	<b>100.0</b>	<b>0.1</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 484: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Nevada**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	32	81.3	0	0.0	32	0.0	100.0
Indirect	0	0.0	39,982	61.5	39,982	61.4	0.0	100.0
Induced	7	18.7	25,052	38.5	25,060	38.5	<0.1	100.0
<b>Total</b>	<b>40</b>	<b>100.0</b>	<b>65,034</b>	<b>100.0</b>	<b>65,074</b>	<b>100.0</b>	<b>0.1</b>	<b>99.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 485: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Nevada**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	415	71.1	0	0.0	415	2.2	100.0
Indirect	0	0.0	12,961	69.9	12,961	67.8	0.0	100.0
Induced	169	28.9	5,575	30.1	5,744	30.0	2.9	97.1
<b>Total</b>	<b>584</b>	<b>100.0</b>	<b>18,536</b>	<b>100.0</b>	<b>19,120</b>	<b>100.0</b>	<b>3.1</b>	<b>96.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 486: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Nevada**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	513	61.0	0	0.0	513	1.7	100.0
Indirect	0	0.0	17,541	61.5	17,541	59.8	0.0	100.0
Induced	329	39.0	10,974	38.5	11,302	38.5	2.9	97.1
<b>Total</b>	<b>842</b>	<b>100.0</b>	<b>28,514</b>	<b>100.0</b>	<b>29,357</b>	<b>100.0</b>	<b>2.9</b>	<b>97.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## New Hampshire

## NASA

Table 487: NASA Labor Income Impacts by Sources of Impact, New Hampshire

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	99	69.5	0	0.0	99	2.0	100.0
Indirect	0	0.0	3,396	70.0	3,396	68.0	0.0	100.0
Induced	44	30.5	1,456	30.0	1,500	30.0	2.9	97.1
<b>Total</b>	<b>143</b>	<b>100.0</b>	<b>4,853</b>	<b>100.0</b>	<b>4,996</b>	<b>100.0</b>	<b>2.9</b>	<b>97.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 488: NASA Value Added Impacts by Sources of Impact, New Hampshire

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	151	67.5	0	0.0	151	2.1	100.0
Indirect	0	0.0	4,540	65.0	4,540	63.0	0.0	100.0
Induced	73	32.5	2,446	35.0	2,518	34.9	2.9	97.1
<b>Total</b>	<b>223</b>	<b>100.0</b>	<b>6,986</b>	<b>100.0</b>	<b>7,209</b>	<b>100.0</b>	<b>3.1</b>	<b>96.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 489: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Hampshire

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	30	68.8	0	0.0	30	0.1	100.0
Indirect	0	0.0	26,857	69.8	26,857	69.7	0.0	100.0
Induced	13	31.2	11,616	30.2	11,629	30.2	0.1	99.9
<b>Total</b>	<b>43</b>	<b>100.0</b>	<b>38,473</b>	<b>100.0</b>	<b>38,516</b>	<b>100.0</b>	<b>0.1</b>	<b>99.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 490: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Hampshire**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	46	67.4	0	0.0	46	0.1	100.0
Indirect	0	0.0	36,200	64.7	36,200	64.6	0.0	100.0
Induced	22	32.6	19,744	35.3	19,766	35.3	0.1	99.9
<b>Total</b>	<b>68</b>	<b>100.0</b>	<b>55,944</b>	<b>100.0</b>	<b>56,012</b>	<b>100.0</b>	<b>0.1</b>	<b>99.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 491: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Hampshire**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	30	68.3	0	0.0	30	0.1	100.0
Indirect	0	0.0	26,146	69.8	26,146	69.7	0.0	100.0
Induced	14	31.7	11,328	30.2	11,341	30.2	0.1	99.9
<b>Total</b>	<b>43</b>	<b>100.0</b>	<b>37,474</b>	<b>100.0</b>	<b>37,517</b>	<b>100.0</b>	<b>0.1</b>	<b>99.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 492: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Hampshire**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	46	66.4	0	0.0	46	0.1	100.0
Indirect	0	0.0	34,975	64.5	34,975	64.4	0.0	100.0
Induced	23	33.6	19,232	35.5	19,255	35.5	0.1	99.9
<b>Total</b>	<b>69</b>	<b>100.0</b>	<b>54,206</b>	<b>100.0</b>	<b>54,276</b>	<b>100.0</b>	<b>0.1</b>	<b>99.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## New Jersey

## NASA

Table 493: NASA Labor Income Impacts by Sources of Impact, New Jersey

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,895	66.8	0	0.0	3,895	6.7	100.0
Indirect	0	0.0	35,717	68.2	35,717	61.4	0.0	100.0
Induced	1,937	33.2	16,638	31.8	18,575	31.9	10.4	89.6
<b>Total</b>	<b>5,832</b>	<b>100.0</b>	<b>52,355</b>	<b>100.0</b>	<b>58,187</b>	<b>100.0</b>	<b>10.0</b>	<b>90.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 494: NASA Value Added Impacts by Sources of Impact, New Jersey

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,783	64.5	0	0.0	5,783	6.8	100.0
Indirect	0	0.0	48,395	63.8	48,395	57.0	0.0	100.0
Induced	3,182	35.5	27,518	36.2	30,700	36.2	10.4	89.6
<b>Total</b>	<b>8,965</b>	<b>100.0</b>	<b>75,914</b>	<b>100.0</b>	<b>84,878</b>	<b>100.0</b>	<b>10.6</b>	<b>89.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 495: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Jersey

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	455	66.4	0	0.0	455	5.6	100.0
Indirect	0	0.0	5,083	68.2	5,083	62.4	0.0	100.0
Induced	231	33.6	2,374	31.8	2,604	32.0	8.9	91.1
<b>Total</b>	<b>686</b>	<b>100.0</b>	<b>7,457</b>	<b>100.0</b>	<b>8,143</b>	<b>100.0</b>	<b>8.4</b>	<b>91.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 496: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Jersey**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	818	68.9	0	0.0	818	6.7	100.0
Indirect	0	0.0	7,041	64.3	7,041	58.0	0.0	100.0
Induced	369	31.1	3,901	35.7	4,270	35.2	8.6	91.4
<b>Total</b>	<b>1,187</b>	<b>100.0</b>	<b>10,943</b>	<b>100.0</b>	<b>12,130</b>	<b>100.0</b>	<b>9.8</b>	<b>90.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 497: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Jersey**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	328	66.4	0	0.0	328	3.2	100.0
Indirect	0	0.0	6,617	67.9	6,617	64.6	0.0	100.0
Induced	166	33.6	3,128	32.1	3,294	32.2	5.0	95.0
<b>Total</b>	<b>493</b>	<b>100.0</b>	<b>9,746</b>	<b>100.0</b>	<b>10,239</b>	<b>100.0</b>	<b>4.8</b>	<b>95.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 498: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Jersey**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	484	64.3	0	0.0	484	3.2	100.0
Indirect	0	0.0	8,985	63.2	8,985	60.0	0.0	100.0
Induced	269	35.7	5,230	36.8	5,499	36.7	4.9	95.1
<b>Total</b>	<b>753</b>	<b>100.0</b>	<b>14,215</b>	<b>100.0</b>	<b>14,968</b>	<b>100.0</b>	<b>5.0</b>	<b>95.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## New Mexico

## NASA

Table 499: NASA Labor Income Impacts by Sources of Impact, New Mexico

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	15,422	75.7	0	0.0	15,422	11.8	100.0
Indirect	0	0.0	83,623	75.5	83,623	63.8	0.0	100.0
Induced	4,937	24.3	27,065	24.5	32,002	24.4	15.4	84.6
<b>Total</b>	<b>20,360</b>	<b>100.0</b>	<b>110,687</b>	<b>100.0</b>	<b>131,047</b>	<b>100.0</b>	<b>15.5</b>	<b>84.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 500: NASA Value Added Impacts by Sources of Impact, New Mexico

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	21,784	69.6	0	0.0	21,784	10.7	100.0
Indirect	0	0.0	120,212	69.5	120,212	58.9	0.0	100.0
Induced	9,516	30.4	52,696	30.5	62,212	30.5	15.3	84.7
<b>Total</b>	<b>31,300</b>	<b>100.0</b>	<b>172,908</b>	<b>100.0</b>	<b>204,208</b>	<b>100.0</b>	<b>15.3</b>	<b>84.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 501: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Mexico

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,544	76.1	0	0.0	1,544	7.5	100.0
Indirect	0	0.0	13,924	75.4	13,924	67.9	0.0	100.0
Induced	485	23.9	4,549	24.6	5,034	24.6	9.6	90.4
<b>Total</b>	<b>2,029</b>	<b>100.0</b>	<b>18,473</b>	<b>100.0</b>	<b>20,502</b>	<b>100.0</b>	<b>9.9</b>	<b>90.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 502: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Mexico**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	2,220	70.7	0	0.0	2,220	6.6	100.0
Indirect	0	0.0	21,921	71.6	21,921	64.9	0.0	100.0
Induced	920	29.3	8,701	28.4	9,621	28.5	9.6	90.4
<b>Total</b>	<b>3,140</b>	<b>100.0</b>	<b>30,622</b>	<b>100.0</b>	<b>33,763</b>	<b>100.0</b>	<b>9.3</b>	<b>90.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 503: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Mexico**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	226	75.1	0	0.0	226	0.6	100.0
Indirect	0	0.0	27,836	76.0	27,836	75.4	0.0	100.0
Induced	75	24.9	8,783	24.0	8,858	24.0	0.8	99.2
<b>Total</b>	<b>301</b>	<b>100.0</b>	<b>36,620</b>	<b>100.0</b>	<b>36,920</b>	<b>100.0</b>	<b>0.8</b>	<b>99.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 504: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Mexico**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	286	65.4	0	0.0	286	0.5	100.0
Indirect	0	0.0	35,541	67.1	35,541	66.5	0.0	100.0
Induced	151	34.6	17,436	32.9	17,588	32.9	0.9	99.1
<b>Total</b>	<b>438</b>	<b>100.0</b>	<b>52,978</b>	<b>100.0</b>	<b>53,416</b>	<b>100.0</b>	<b>0.8</b>	<b>99.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## New York

## NASA

Table 505: NASA Labor Income Impacts by Sources of Impact, New York

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	9,841	66.7	0	0.0	9,841	4.7	100.0
Indirect	0	0.0	132,993	68.1	132,993	63.3	0.0	100.0
Induced	4,918	33.3	62,344	31.9	67,262	32.0	7.3	92.7
<b>Total</b>	<b>14,760</b>	<b>100.0</b>	<b>195,336</b>	<b>100.0</b>	<b>210,096</b>	<b>100.0</b>	<b>7.0</b>	<b>93.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 506: NASA Value Added Impacts by Sources of Impact, New York

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	13,824	62.0	0	0.0	13,824	4.3	100.0
Indirect	0	0.0	189,620	63.6	189,620	59.2	0.0	100.0
Induced	8,473	38.0	108,350	36.4	116,823	36.5	7.3	92.7
<b>Total</b>	<b>22,297</b>	<b>100.0</b>	<b>297,970</b>	<b>100.0</b>	<b>320,267</b>	<b>100.0</b>	<b>7.0</b>	<b>93.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 507: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New York

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	443	66.3	0	0.0	443	2.7	100.0
Indirect	0	0.0	10,462	67.7	10,462	64.9	0.0	100.0
Induced	225	33.7	4,989	32.3	5,215	32.3	4.3	95.7
<b>Total</b>	<b>668</b>	<b>100.0</b>	<b>15,451</b>	<b>100.0</b>	<b>16,120</b>	<b>100.0</b>	<b>4.1</b>	<b>95.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 508: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New York**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	839	68.5	0	0.0	839	3.4	100.0	0.0
Indirect	0	0.0	15,203	63.9	15,203	60.7	0.0	100.0
Induced	386	31.5	8,598	36.1	8,984	35.9	4.3	95.7
<b>Total</b>	<b>1,225</b>	<b>100.0</b>	<b>23,801</b>	<b>100.0</b>	<b>25,026</b>	<b>100.0</b>	<b>4.9</b>	<b>95.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 509: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New York**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	4,792	66.9	0	0.0	4,792	9.5	100.0	0.0
Indirect	0	0.0	29,562	68.0	29,562	58.4	0.0	100.0
Induced	2,375	33.1	13,918	32.0	16,293	32.2	14.6	85.4
<b>Total</b>	<b>7,168</b>	<b>100.0</b>	<b>43,480</b>	<b>100.0</b>	<b>50,648</b>	<b>100.0</b>	<b>14.2</b>	<b>85.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 510: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New York**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	5,976	59.5	0	0.0	5,976	7.8	100.0	0.0
Indirect	0	0.0	42,044	63.3	42,044	55.0	0.0	100.0
Induced	4,063	40.5	24,354	36.7	28,417	37.2	14.3	85.7
<b>Total</b>	<b>10,039</b>	<b>100.0</b>	<b>66,398</b>	<b>100.0</b>	<b>76,436</b>	<b>100.0</b>	<b>13.1</b>	<b>86.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## North Carolina

## NASA

Table 511: NASA Labor Income Impacts by Sources of Impact, North Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	8,057	67.8	0	0.0	8,057	10.3	100.0
Indirect	0	0.0	45,195	68.3	45,195	57.9	0.0	100.0
Induced	3,834	32.2	20,968	31.7	24,802	31.8	15.5	84.5
<b>Total</b>	<b>11,891</b>	<b>100.0</b>	<b>66,163</b>	<b>100.0</b>	<b>78,055</b>	<b>100.0</b>	<b>15.2</b>	<b>84.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 512: NASA Value Added Impacts by Sources of Impact, North Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	10,857	61.2	0	0.0	10,857	9.3	100.0
Indirect	0	0.0	61,030	61.7	61,030	52.3	0.0	100.0
Induced	6,875	38.8	37,924	38.3	44,799	38.4	15.3	84.7
<b>Total</b>	<b>17,732</b>	<b>100.0</b>	<b>98,954</b>	<b>100.0</b>	<b>116,686</b>	<b>100.0</b>	<b>15.2</b>	<b>84.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 513: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, North Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,087	68.4	0	0.0	1,087	24.3	100.0
Indirect	0	0.0	1,951	67.7	1,951	43.7	0.0	100.0
Induced	502	31.6	930	32.3	1,431	32.0	35.0	65.0
<b>Total</b>	<b>1,588</b>	<b>100.0</b>	<b>2,881</b>	<b>100.0</b>	<b>4,469</b>	<b>100.0</b>	<b>35.5</b>	<b>64.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 514: Moon to Mars Campaign Value Added Impacts by Sources of Impact, North Carolina**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,509	62.4	0	0.0	1,509	22.3	100.0
Indirect	0	0.0	2,660	61.2	2,660	39.3	0.0	100.0
Induced	909	37.6	1,685	38.8	2,594	38.4	35.0	65.0
<b>Total</b>	<b>2,418</b>	<b>100.0</b>	<b>4,346</b>	<b>100.0</b>	<b>6,763</b>	<b>100.0</b>	<b>35.7</b>	<b>64.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 515: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, North Carolina**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	357	67.0	0	0.0	357	1.7	100.0
Indirect	0	0.0	14,293	68.2	14,293	66.5	0.0	100.0
Induced	176	33.0	6,675	31.8	6,850	31.9	2.6	97.4
<b>Total</b>	<b>533</b>	<b>100.0</b>	<b>20,967</b>	<b>100.0</b>	<b>21,500</b>	<b>100.0</b>	<b>2.5</b>	<b>97.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 516: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, North Carolina**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	515	62.5	0	0.0	515	1.6	100.0
Indirect	0	0.0	19,371	61.6	19,371	60.0	0.0	100.0
Induced	309	37.5	12,077	38.4	12,386	38.4	2.5	97.5
<b>Total</b>	<b>825</b>	<b>100.0</b>	<b>31,448</b>	<b>100.0</b>	<b>32,273</b>	<b>100.0</b>	<b>2.6</b>	<b>97.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## North Dakota

## NASA

Table 517: NASA Labor Income Impacts by Sources of Impact, North Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	13	75.0	0	0.0	13	1.2	100.0
Indirect	0	0.0	784	74.5	784	73.3	0.0	100.0
Induced	4	25.0	268	25.5	272	25.5	1.6	98.4
<b>Total</b>	<b>17</b>	<b>100.0</b>	<b>1,052</b>	<b>100.0</b>	<b>1,069</b>	<b>100.0</b>	<b>1.6</b>	<b>98.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 518: NASA Value Added Impacts by Sources of Impact, North Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	49	87.2	0	0.0	49	3.1	100.0
Indirect	0	0.0	1,087	70.2	1,087	67.7	0.0	100.0
Induced	7	12.8	462	29.8	469	29.2	1.5	98.5
<b>Total</b>	<b>57</b>	<b>100.0</b>	<b>1,549</b>	<b>100.0</b>	<b>1,605</b>	<b>100.0</b>	<b>3.5</b>	<b>96.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 519: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, North Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	13	75.5	0	0.0	13	13.8	100.0
Indirect	0	0.0	57	74.6	57	60.9	0.0	100.0
Induced	4	24.5	19	25.4	24	25.2	17.7	82.3
<b>Total</b>	<b>17</b>	<b>100.0</b>	<b>76</b>	<b>100.0</b>	<b>94</b>	<b>100.0</b>	<b>18.3</b>	<b>81.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 520: Moon to Mars Campaign Value Added Impacts by Sources of Impact, North Dakota**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	49	87.6	0	0.0	49	29.3	100.0
Indirect	0	0.0	79	70.0	79	46.6	0.0	100.0
Induced	7	12.4	34	30.0	41	24.1	17.2	82.8
<b>Total</b>	<b>56</b>	<b>100.0</b>	<b>112</b>	<b>100.0</b>	<b>169</b>	<b>100.0</b>	<b>33.4</b>	<b>66.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 521: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, North Dakota**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	370	74.7	370	74.7	0.0	100.0
Induced	0	n.a.	125	25.3	125	25.3	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>496</b>	<b>100.0</b>	<b>496</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 522: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, North Dakota**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	521	70.5	521	70.5	0.0	100.0
Induced	0	n.a.	218	29.5	218	29.5	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>740</b>	<b>100.0</b>	<b>740</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Ohio

## NASA

Table 523: NASA Labor Income Impacts by Sources of Impact, Ohio

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	277,627	66.2	0	0.0	277,627	33.4	100.0
Indirect	0	0.0	277,675	67.3	277,675	33.4	0.0	100.0
Induced	141,851	33.8	134,970	32.7	276,821	33.3	51.2	48.8
<b>Total</b>	<b>419,478</b>	<b>100.0</b>	<b>412,645</b>	<b>100.0</b>	<b>832,122</b>	<b>100.0</b>	<b>50.4</b>	<b>49.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 524: NASA Value Added Impacts by Sources of Impact, Ohio

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	392,044	60.1	0	0.0	392,044	30.2	100.0
Indirect	0	0.0	397,192	61.4	397,192	30.6	0.0	100.0
Induced	260,019	39.9	249,349	38.6	509,368	39.2	51.0	49.0
<b>Total</b>	<b>652,062</b>	<b>100.0</b>	<b>646,541</b>	<b>100.0</b>	<b>1,298,604</b>	<b>100.0</b>	<b>50.2</b>	<b>49.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 525: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Ohio

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	56,516	66.7	0	0.0	56,516	40.3	100.0
Indirect	0	0.0	37,547	67.6	37,547	26.8	0.0	100.0
Induced	28,166	33.3	17,997	32.4	46,164	32.9	61.0	39.0
<b>Total</b>	<b>84,682</b>	<b>100.0</b>	<b>55,544</b>	<b>100.0</b>	<b>140,226</b>	<b>100.0</b>	<b>60.4</b>	<b>39.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 526: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Ohio**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	81,043	61.2	0	0.0	81,043	37.0	100.0	0.0
Indirect	0	0.0	53,177	61.6	53,177	24.3	0.0	100.0
Induced	51,398	38.8	33,167	38.4	84,565	38.7	60.8	39.2
<b>Total</b>	<b>132,441</b>	<b>100.0</b>	<b>86,344</b>	<b>100.0</b>	<b>218,785</b>	<b>100.0</b>	<b>60.5</b>	<b>39.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 527: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Ohio**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	52,078	65.7	0	0.0	52,078	30.4	100.0	0.0
Indirect	0	0.0	61,619	67.1	61,619	36.0	0.0	100.0
Induced	27,207	34.3	30,249	32.9	57,457	33.6	47.4	52.6
<b>Total</b>	<b>79,285</b>	<b>100.0</b>	<b>91,869</b>	<b>100.0</b>	<b>171,154</b>	<b>100.0</b>	<b>46.3</b>	<b>53.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 528: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Ohio**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	77,715	60.9	0	0.0	77,715	28.7	100.0	0.0
Indirect	0	0.0	86,921	60.7	86,921	32.1	0.0	100.0
Induced	49,933	39.1	56,334	39.3	106,267	39.2	47.0	53.0
<b>Total</b>	<b>127,648</b>	<b>100.0</b>	<b>143,255</b>	<b>100.0</b>	<b>270,903</b>	<b>100.0</b>	<b>47.1</b>	<b>52.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Oklahoma

## NASA

Table 529: NASA Labor Income Impacts by Sources of Impact, Oklahoma

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,798	72.3	0	0.0	1,798	5.2	100.0
Indirect	0	0.0	23,353	72.8	23,353	67.6	0.0	100.0
Induced	687	27.7	8,724	27.2	9,412	27.2	7.3	92.7
<b>Total</b>	<b>2,485</b>	<b>100.0</b>	<b>32,077</b>	<b>100.0</b>	<b>34,563</b>	<b>100.0</b>	<b>7.2</b>	<b>92.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 530: NASA Value Added Impacts by Sources of Impact, Oklahoma

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,268	72.4	0	0.0	3,268	6.2	100.0
Indirect	0	0.0	32,264	66.8	32,264	61.1	0.0	100.0
Induced	1,245	27.6	16,042	33.2	17,287	32.7	7.2	92.8
<b>Total</b>	<b>4,513</b>	<b>100.0</b>	<b>48,306</b>	<b>100.0</b>	<b>52,819</b>	<b>100.0</b>	<b>8.5</b>	<b>91.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 531: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Oklahoma

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	188	72.9	0	0.0	188	35.8	100.0
Indirect	0	0.0	197	73.6	197	37.5	0.0	100.0
Induced	70	27.1	71	26.4	141	26.7	49.7	50.3
<b>Total</b>	<b>258</b>	<b>100.0</b>	<b>268</b>	<b>100.0</b>	<b>526</b>	<b>100.0</b>	<b>49.1</b>	<b>50.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 532: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Oklahoma**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	257	66.9	0	0.0	257	31.9	100.0	0.0
Indirect	0	0.0	288	68.4	288	35.8	0.0	100.0
Induced	127	33.1	133	31.6	260	32.3	48.9	51.1
<b>Total</b>	<b>384</b>	<b>100.0</b>	<b>421</b>	<b>100.0</b>	<b>805</b>	<b>100.0</b>	<b>47.7</b>	<b>52.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 533: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Oklahoma**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	233	70.1	0	0.0	233	1.0	100.0	0.0
Indirect	0	0.0	15,897	72.5	15,897	71.4	0.0	100.0
Induced	99	29.9	6,037	27.5	6,137	27.6	1.6	98.4
<b>Total</b>	<b>333</b>	<b>100.0</b>	<b>21,934</b>	<b>100.0</b>	<b>22,267</b>	<b>100.0</b>	<b>1.5</b>	<b>98.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 534: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Oklahoma**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	600	77.2	0	0.0	600	1.8	100.0	0.0
Indirect	0	0.0	22,292	66.6	22,292	65.1	0.0	100.0
Induced	177	22.8	11,198	33.4	11,375	33.2	1.6	98.4
<b>Total</b>	<b>777</b>	<b>100.0</b>	<b>33,491</b>	<b>100.0</b>	<b>34,267</b>	<b>100.0</b>	<b>2.3</b>	<b>97.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Oregon

## NASA

Table 535: NASA Labor Income Impacts by Sources of Impact, Oregon

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,791	68.1	0	0.0	1,791	9.0	100.0
Indirect	0	0.0	11,886	69.1	11,886	60.0	0.0	100.0
Induced	838	31.9	5,308	30.9	6,145	31.0	13.6	86.4
<b>Total</b>	<b>2,628</b>	<b>100.0</b>	<b>17,193</b>	<b>100.0</b>	<b>19,821</b>	<b>100.0</b>	<b>13.3</b>	<b>86.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 536: NASA Value Added Impacts by Sources of Impact, Oregon

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,464	63.4	0	0.0	2,464	8.1	100.0
Indirect	0	0.0	17,434	65.6	17,434	57.3	0.0	100.0
Induced	1,422	36.6	9,126	34.4	10,547	34.6	13.5	86.5
<b>Total</b>	<b>3,885</b>	<b>100.0</b>	<b>26,559</b>	<b>100.0</b>	<b>30,445</b>	<b>100.0</b>	<b>12.8</b>	<b>87.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 537: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Oregon

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	124	68.2	0	0.0	124	11.6	100.0
Indirect	0	0.0	615	69.6	615	57.7	0.0	100.0
Induced	58	31.8	269	30.4	327	30.7	17.7	82.3
<b>Total</b>	<b>182</b>	<b>100.0</b>	<b>884</b>	<b>100.0</b>	<b>1,066</b>	<b>100.0</b>	<b>17.1</b>	<b>82.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 538: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Oregon**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	146	60.1	0	0.0	146	8.7	100.0	0.0
Indirect	0	0.0	973	67.9	973	58.1	0.0	100.0
Induced	97	39.9	459	32.1	556	33.2	17.4	82.6
<b>Total</b>	<b>242</b>	<b>100.0</b>	<b>1,432</b>	<b>100.0</b>	<b>1,674</b>	<b>100.0</b>	<b>14.5</b>	<b>85.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 539: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Oregon**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	361	67.8	0	0.0	361	3.5	100.0	0.0
Indirect	0	0.0	6,747	68.8	6,747	65.3	0.0	100.0
Induced	171	32.2	3,059	31.2	3,230	31.2	5.3	94.7
<b>Total</b>	<b>532</b>	<b>100.0</b>	<b>9,807</b>	<b>100.0</b>	<b>10,338</b>	<b>100.0</b>	<b>5.1</b>	<b>94.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 540: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Oregon**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	572	66.2	0	0.0	572	3.5	100.0	0.0
Indirect	0	0.0	10,136	65.7	10,136	62.2	0.0	100.0
Induced	293	33.8	5,299	34.3	5,592	34.3	5.2	94.8
<b>Total</b>	<b>865</b>	<b>100.0</b>	<b>15,435</b>	<b>100.0</b>	<b>16,300</b>	<b>100.0</b>	<b>5.3</b>	<b>94.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Pennsylvania

### NASA

**Table 541: NASA Labor Income Impacts by Sources of Impact, Pennsylvania**

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	7,941	63.6	0	0.0	7,941	5.0	100.0
Indirect	0	0.0	95,348	65.1	95,348	60.0	0.0	100.0
Induced	4,547	36.4	51,144	34.9	55,691	35.0	8.2	91.8
<b>Total</b>	<b>12,488</b>	<b>100.0</b>	<b>146,492</b>	<b>100.0</b>	<b>158,980</b>	<b>100.0</b>	<b>7.9</b>	<b>92.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 542: NASA Value Added Impacts by Sources of Impact, Pennsylvania**

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	10,802	59.5	0	0.0	10,802	4.7	100.0
Indirect	0	0.0	127,374	60.2	127,374	55.5	0.0	100.0
Induced	7,357	40.5	84,107	39.8	91,463	39.8	8.0	92.0
<b>Total</b>	<b>18,158</b>	<b>100.0</b>	<b>211,481</b>	<b>100.0</b>	<b>229,639</b>	<b>100.0</b>	<b>7.9</b>	<b>92.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

### Moon to Mars Campaign

**Table 543: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Pennsylvania**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	361	63.1	0	0.0	361	0.4	100.0
Indirect	0	0.0	59,078	64.9	59,078	64.5	0.0	100.0
Induced	211	36.9	31,977	35.1	32,189	35.1	0.7	99.3
<b>Total</b>	<b>572</b>	<b>100.0</b>	<b>91,055</b>	<b>100.0</b>	<b>91,627</b>	<b>100.0</b>	<b>0.6</b>	<b>99.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 544: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Pennsylvania**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	436	56.8	0	0.0	436	0.3	100.0	0.0
Indirect	0	0.0	78,256	60.1	78,256	59.7	0.0	100.0
Induced	332	43.2	51,970	39.9	52,301	39.9	0.6	99.4
<b>Total</b>	<b>767</b>	<b>100.0</b>	<b>130,226</b>	<b>100.0</b>	<b>130,993</b>	<b>100.0</b>	<b>0.6</b>	<b>99.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 545: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Pennsylvania**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,438	63.3	0	0.0	2,438	5.6	100.0	0.0
Indirect	0	0.0	25,346	63.9	25,346	58.3	0.0	100.0
Induced	1,411	36.7	14,309	36.1	15,720	36.1	9.0	91.0
<b>Total</b>	<b>3,849</b>	<b>100.0</b>	<b>39,655</b>	<b>100.0</b>	<b>43,504</b>	<b>100.0</b>	<b>8.8</b>	<b>91.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 546: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Pennsylvania**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	3,259	58.6	0	0.0	3,259	5.2	100.0	0.0
Indirect	0	0.0	33,004	57.9	33,004	52.8	0.0	100.0
Induced	2,302	41.4	23,994	42.1	26,296	42.0	8.8	91.2
<b>Total</b>	<b>5,561</b>	<b>100.0</b>	<b>56,998</b>	<b>100.0</b>	<b>62,560</b>	<b>100.0</b>	<b>8.9</b>	<b>91.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Rhode Island

## NASA

Table 547: NASA Labor Income Impacts by Sources of Impact, Rhode Island

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	518	71.4	0	0.0	518	7.0	100.0
Indirect	0	0.0	4,823	72.0	4,823	65.0	0.0	100.0
Induced	207	28.6	1,876	28.0	2,084	28.1	10.0	90.0
<b>Total</b>	<b>725</b>	<b>100.0</b>	<b>6,699</b>	<b>100.0</b>	<b>7,424</b>	<b>100.0</b>	<b>9.8</b>	<b>90.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 548: NASA Value Added Impacts by Sources of Impact, Rhode Island

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	655	64.8	0	0.0	655	5.9	100.0
Indirect	0	0.0	6,728	67.3	6,728	61.1	0.0	100.0
Induced	355	35.2	3,275	32.7	3,630	33.0	9.8	90.2
<b>Total</b>	<b>1,010</b>	<b>100.0</b>	<b>10,003</b>	<b>100.0</b>	<b>11,013</b>	<b>100.0</b>	<b>9.2</b>	<b>90.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 549: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Rhode Island

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	6	71.0	0	0.0	6	0.8	100.0
Indirect	0	0.0	587	71.9	587	71.2	0.0	100.0
Induced	3	29.0	229	28.1	231	28.1	1.1	98.9
<b>Total</b>	<b>9</b>	<b>100.0</b>	<b>815</b>	<b>100.0</b>	<b>824</b>	<b>100.0</b>	<b>1.1</b>	<b>98.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 550: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Rhode Island**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	17	80.0	0	0.0	17	1.4	100.0
Indirect	0	0.0	792	66.8	792	65.7	0.0	100.0
Induced	4	20.0	393	33.2	397	32.9	1.1	98.9
<b>Total</b>	<b>21</b>	<b>100.0</b>	<b>1,185</b>	<b>100.0</b>	<b>1,206</b>	<b>100.0</b>	<b>1.8</b>	<b>98.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 551: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Rhode Island**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	9	71.2	0	0.0	9	0.5	100.0
Indirect	0	0.0	1,320	72.1	1,320	71.6	0.0	100.0
Induced	3	28.8	512	27.9	515	27.9	0.7	99.3
<b>Total</b>	<b>12</b>	<b>100.0</b>	<b>1,832</b>	<b>100.0</b>	<b>1,844</b>	<b>100.0</b>	<b>0.7</b>	<b>99.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 552: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Rhode Island**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	20	76.7	0	0.0	20	0.7	100.0
Indirect	0	0.0	1,876	67.2	1,876	66.6	0.0	100.0
Induced	6	23.3	914	32.8	920	32.7	0.7	99.3
<b>Total</b>	<b>26</b>	<b>100.0</b>	<b>2,790</b>	<b>100.0</b>	<b>2,816</b>	<b>100.0</b>	<b>0.9</b>	<b>99.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## South Carolina

## NASA

Table 553: NASA Labor Income Impacts by Sources of Impact, South Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,059	72.8	0	0.0	3,059	22.2	100.0
Indirect	0	0.0	7,070	73.8	7,070	51.3	0.0	100.0
Induced	1,141	27.2	2,507	26.2	3,648	26.5	31.3	68.7
<b>Total</b>	<b>4,200</b>	<b>100.0</b>	<b>9,577</b>	<b>100.0</b>	<b>13,776</b>	<b>100.0</b>	<b>30.5</b>	<b>69.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 554: NASA Value Added Impacts by Sources of Impact, South Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	4,452	67.1	0	0.0	4,452	21.4	100.0
Indirect	0	0.0	9,345	65.8	9,345	44.8	0.0	100.0
Induced	2,179	32.9	4,861	34.2	7,040	33.8	31.0	69.0
<b>Total</b>	<b>6,631</b>	<b>100.0</b>	<b>14,206</b>	<b>100.0</b>	<b>20,837</b>	<b>100.0</b>	<b>31.8</b>	<b>68.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 555: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, South Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	212	72.1	0	0.0	212	21.2	100.0
Indirect	0	0.0	516	73.3	516	51.7	0.0	100.0
Induced	82	27.9	188	26.7	270	27.0	30.4	69.6
<b>Total</b>	<b>294</b>	<b>100.0</b>	<b>703</b>	<b>100.0</b>	<b>997</b>	<b>100.0</b>	<b>29.5</b>	<b>70.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 556: Moon to Mars Campaign Value Added Impacts by Sources of Impact South Carolina**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	332	67.5	0	0.0	332	19.9	100.0
Indirect	0	0.0	780	66.7	780	47.0	0.0	100.0
Induced	160	32.5	390	33.3	550	33.1	29.0	71.0
<b>Total</b>	<b>491</b>	<b>100.0</b>	<b>1,171</b>	<b>100.0</b>	<b>1,662</b>	<b>100.0</b>	<b>29.6</b>	<b>70.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 557: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, South Carolina**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	249	72.4	0	0.0	249	41.6	100.0
Indirect	0	0.0	191	74.7	191	31.8	0.0	100.0
Induced	95	27.6	65	25.3	160	26.6	59.6	40.4
<b>Total</b>	<b>345</b>	<b>100.0</b>	<b>255</b>	<b>100.0</b>	<b>600</b>	<b>100.0</b>	<b>57.4</b>	<b>42.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 558: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, South Carolina**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	257	58.5	0	0.0	257	30.4	100.0
Indirect	0	0.0	281	69.3	281	33.3	0.0	100.0
Induced	182	41.5	124	30.7	306	36.3	59.4	40.6
<b>Total</b>	<b>438</b>	<b>100.0</b>	<b>405</b>	<b>100.0</b>	<b>844</b>	<b>100.0</b>	<b>52.0</b>	<b>48.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## South Dakota

## NASA

Table 559: NASA Labor Income Impacts by Sources of Impact, South Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	820	71.6	0	0.0	820	3.9	100.0
Indirect	0	0.0	13,485	68.6	13,485	64.8	0.0	100.0
Induced	324	28.4	6,178	31.4	6,502	31.3	5.0	95.0
<b>Total</b>	<b>1,144</b>	<b>100.0</b>	<b>19,663</b>	<b>100.0</b>	<b>20,807</b>	<b>100.0</b>	<b>5.5</b>	<b>94.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 560: NASA Value Added Impacts by Sources of Impact, South Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,027	64.8	0	0.0	1,027	3.1	100.0
Indirect	0	0.0	20,541	65.6	20,541	62.5	0.0	100.0
Induced	559	35.2	10,762	34.4	11,320	34.4	4.9	95.1
<b>Total</b>	<b>1,585</b>	<b>100.0</b>	<b>31,303</b>	<b>100.0</b>	<b>32,889</b>	<b>100.0</b>	<b>4.8</b>	<b>95.2</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 561: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, South Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	169	72.1	0	0.0	169	25.4	100.0
Indirect	0	0.0	302	70.2	302	45.5	0.0	100.0
Induced	66	27.9	128	29.8	194	29.1	33.8	66.2
<b>Total</b>	<b>234</b>	<b>100.0</b>	<b>431</b>	<b>100.0</b>	<b>665</b>	<b>100.0</b>	<b>35.2</b>	<b>64.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 562: Moon to Mars Campaign Value Added Impacts by Sources of Impact, South Dakota**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	270	70.7	0	0.0	270	25.9	100.0
Indirect	0	0.0	434	65.9	434	41.7	0.0	100.0
Induced	112	29.3	224	34.1	336	32.3	33.2	66.8
<b>Total</b>	<b>381</b>	<b>100.0</b>	<b>658</b>	<b>100.0</b>	<b>1,040</b>	<b>100.0</b>	<b>36.7</b>	<b>63.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 563: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, South Dakota**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	8,489	69.8	8,489	69.8	0.0	100.0
Induced	0	n.a.	3,676	30.2	3,676	30.2	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>12,165</b>	<b>100.0</b>	<b>12,165</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 564: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, South Dakota**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	12,362	65.9	12,362	65.9	0.0	100.0
Induced	0	n.a.	6,406	34.1	6,406	34.1	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>18,768</b>	<b>100.0</b>	<b>18,768</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Tennessee

## NASA

Table 565: NASA Labor Income Impacts by Sources of Impact, Tennessee

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	13,514	66.6	0	0.0	13,514	15.8	100.0
Indirect	0	0.0	43,572	66.6	43,572	50.8	0.0	100.0
Induced	6,778	33.4	21,841	33.4	28,619	33.4	23.7	76.3
<b>Total</b>	<b>20,292</b>	<b>100.0</b>	<b>65,413</b>	<b>100.0</b>	<b>85,705</b>	<b>100.0</b>	<b>23.7</b>	<b>76.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 566: NASA Value Added Impacts by Sources of Impact, Tennessee

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	18,215	60.8	0	0.0	18,215	14.1	100.0
Indirect	0	0.0	61,334	61.7	61,334	47.4	0.0	100.0
Induced	11,737	39.2	38,104	38.3	49,841	38.5	23.5	76.5
<b>Total</b>	<b>29,952</b>	<b>100.0</b>	<b>99,438</b>	<b>100.0</b>	<b>129,390</b>	<b>100.0</b>	<b>23.1</b>	<b>76.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 567: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Tennessee

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	3,841	67.2	0	0.0	3,841	42.8	100.0
Indirect	0	0.0	2,222	68.4	2,222	24.8	0.0	100.0
Induced	1,876	32.8	1,027	31.6	2,903	32.4	64.6	35.4
<b>Total</b>	<b>5,716</b>	<b>100.0</b>	<b>3,249</b>	<b>100.0</b>	<b>8,965</b>	<b>100.0</b>	<b>63.8</b>	<b>36.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 568: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Tennessee**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	5,078	61.1	0	0.0	5,078	38.6	100.0
Indirect	0	0.0	3,058	63.2	3,058	23.2	0.0	100.0
Induced	3,237	38.9	1,782	36.8	5,018	38.2	64.5	35.5
<b>Total</b>	<b>8,315</b>	<b>100.0</b>	<b>4,839</b>	<b>100.0</b>	<b>13,154</b>	<b>100.0</b>	<b>63.2</b>	<b>36.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 569: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Tennessee**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	490	65.7	0	0.0	490	1.3	100.0
Indirect	0	0.0	24,455	67.1	24,455	65.7	0.0	100.0
Induced	256	34.3	12,003	32.9	12,258	32.9	2.1	97.9
<b>Total</b>	<b>746</b>	<b>100.0</b>	<b>36,457</b>	<b>100.0</b>	<b>37,203</b>	<b>100.0</b>	<b>2.0</b>	<b>98.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 570: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Tennessee**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	644	59.0	0	0.0	644	1.2	100.0
Indirect	0	0.0	32,857	60.9	32,857	59.7	0.0	100.0
Induced	447	41.0	21,082	39.1	21,529	39.1	2.1	97.9
<b>Total</b>	<b>1,091</b>	<b>100.0</b>	<b>53,938</b>	<b>100.0</b>	<b>55,030</b>	<b>100.0</b>	<b>2.0</b>	<b>98.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Texas

## NASA

Table 571: NASA Labor Income Impacts by Sources of Impact, Texas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	624,309	64.4	0	0.0	624,309	18.1	100.0
Indirect	0	0.0	1,637,120	65.9	1,637,120	47.4	0.0	100.0
Induced	345,320	35.6	848,369	34.1	1,193,689	34.5	28.9	71.1
<b>Total</b>	<b>969,629</b>	<b>100.0</b>	<b>2,485,490</b>	<b>100.0</b>	<b>3,455,119</b>	<b>100.0</b>	<b>28.1</b>	<b>71.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 572: NASA Value Added Impacts by Sources of Impact, Texas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	769,403	55.4	0	0.0	769,403	14.6	100.0
Indirect	0	0.0	2,334,083	60.2	2,334,083	44.3	0.0	100.0
Induced	618,858	44.6	1,545,753	39.8	2,164,612	41.1	28.6	71.4
<b>Total</b>	<b>1,388,262</b>	<b>100.0</b>	<b>3,879,837</b>	<b>100.0</b>	<b>5,268,098</b>	<b>100.0</b>	<b>26.4</b>	<b>73.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 573: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Texas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	204,390	65.3	0	0.0	204,390	16.0	100.0
Indirect	0	0.0	637,754	66.1	637,754	49.9	0.0	100.0
Induced	108,547	34.7	327,302	33.9	435,849	34.1	24.9	75.1
<b>Total</b>	<b>312,938</b>	<b>100.0</b>	<b>965,056</b>	<b>100.0</b>	<b>1,277,994</b>	<b>100.0</b>	<b>24.5</b>	<b>75.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 574: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Texas**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	258,011	57.1	0	0.0	258,011	13.3	100.0	0.0
Indirect	0	0.0	901,714	60.3	901,714	46.3	0.0	100.0
Induced	194,079	42.9	592,675	39.7	786,754	40.4	24.7	75.3
<b>Total</b>	<b>452,091</b>	<b>100.0</b>	<b>1,494,389</b>	<b>100.0</b>	<b>1,946,480</b>	<b>100.0</b>	<b>23.2</b>	<b>76.8</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 575: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Texas**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	6,188	62.2	0	0.0	6,188	7.2	100.0	0.0
Indirect	0	0.0	49,542	65.3	49,542	57.8	0.0	100.0
Induced	3,756	37.8	26,271	34.7	30,027	35.0	12.5	87.5
<b>Total</b>	<b>9,943</b>	<b>100.0</b>	<b>75,813</b>	<b>100.0</b>	<b>85,757</b>	<b>100.0</b>	<b>11.6</b>	<b>88.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 576: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Texas**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	8,327	55.0	0	0.0	8,327	6.1	100.0	0.0
Indirect	0	0.0	72,262	59.6	72,262	53.0	0.0	100.0
Induced	6,826	45.0	49,012	40.4	55,838	40.9	12.2	87.8
<b>Total</b>	<b>15,152</b>	<b>100.0</b>	<b>121,275</b>	<b>100.0</b>	<b>136,427</b>	<b>100.0</b>	<b>11.1</b>	<b>88.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Utah

## NASA

Table 577: NASA Labor Income Impacts by Sources of Impact, Utah

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,037	68.3	0	0.0	2,037	1.3	100.0
Indirect	0	0.0	108,636	69.8	108,636	68.5	0.0	100.0
Induced	947	31.7	46,979	30.2	47,926	30.2	2.0	98.0
<b>Total</b>	<b>2,984</b>	<b>100.0</b>	<b>155,615</b>	<b>100.0</b>	<b>158,599</b>	<b>100.0</b>	<b>1.9</b>	<b>98.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 578: NASA Value Added Impacts by Sources of Impact, Utah

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,942	61.4	0	0.0	2,942	1.2	100.0
Indirect	0	0.0	154,337	62.5	154,337	61.4	0.0	100.0
Induced	1,851	38.6	92,418	37.5	94,269	37.5	2.0	98.0
<b>Total</b>	<b>4,793</b>	<b>100.0</b>	<b>246,755</b>	<b>100.0</b>	<b>251,548</b>	<b>100.0</b>	<b>1.9</b>	<b>98.1</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 579: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Utah

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	933	68.8	0	0.0	933	0.8	100.0
Indirect	0	0.0	81,436	70.2	81,436	69.4	0.0	100.0
Induced	423	31.2	34,501	29.8	34,924	29.8	1.2	98.8
<b>Total</b>	<b>1,357</b>	<b>100.0</b>	<b>115,937</b>	<b>100.0</b>	<b>117,294</b>	<b>100.0</b>	<b>1.2</b>	<b>98.8</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 580: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Utah**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,222	59.6	0	0.0	1,222	0.7	100.0
Indirect	0	0.0	115,128	63.1	115,128	62.4	0.0	100.0
Induced	827	40.4	67,463	36.9	68,290	37.0	1.2	98.8
<b>Total</b>	<b>2,049</b>	<b>100.0</b>	<b>182,592</b>	<b>100.0</b>	<b>184,640</b>	<b>100.0</b>	<b>1.1</b>	<b>98.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 581: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Utah**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	6,582	69.4	6,582	69.4	0.0	100.0
Induced	0	n.a.	2,902	30.6	2,902	30.6	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>9,484</b>	<b>100.0</b>	<b>9,484</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 582: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Utah**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	9,367	62.0	9,367	62.0	0.0	100.0
Induced	0	n.a.	5,746	38.0	5,746	38.0	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>15,112</b>	<b>100.0</b>	<b>15,112</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## Vermont

## NASA

Table 583: NASA Labor Income Impacts by Sources of Impact, Vermont

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	962	71.5	0	0.0	962	30.1	100.0
Indirect	0	0.0	1,335	72.2	1,335	41.8	0.0	100.0
Induced	384	28.5	515	27.8	899	28.1	42.7	57.3
<b>Total</b>	<b>1,345</b>	<b>100.0</b>	<b>1,851</b>	<b>100.0</b>	<b>3,196</b>	<b>100.0</b>	<b>42.1</b>	<b>57.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 584: NASA Value Added Impacts by Sources of Impact, Vermont

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,540	69.5	0	0.0	1,540	31.4	100.0
Indirect	0	0.0	1,781	66.0	1,781	36.2	0.0	100.0
Induced	675	30.5	916	34.0	1,591	32.4	42.4	57.6
<b>Total</b>	<b>2,215</b>	<b>100.0</b>	<b>2,697</b>	<b>100.0</b>	<b>4,912</b>	<b>100.0</b>	<b>45.1</b>	<b>54.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 585: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Vermont

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	81	71.6	0	0.0	81	33.7	100.0
Indirect	0	0.0	92	72.0	92	38.1	0.0	100.0
Induced	32	28.4	36	28.0	68	28.2	47.5	52.5
<b>Total</b>	<b>113</b>	<b>100.0</b>	<b>127</b>	<b>100.0</b>	<b>241</b>	<b>100.0</b>	<b>47.1</b>	<b>52.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 586: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Vermont**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	130	69.8	0	0.0	130	31.8	100.0	0.0
Indirect	0	0.0	160	71.8	160	39.1	0.0	100.0
Induced	56	30.2	63	28.2	119	29.1	47.3	52.7
<b>Total</b>	<b>186</b>	<b>100.0</b>	<b>223</b>	<b>100.0</b>	<b>409</b>	<b>100.0</b>	<b>45.6</b>	<b>54.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 587: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Vermont**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	396	72.3	396	72.3	0.0	100.0
Induced	0	n.a.	152	27.7	152	27.7	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>548</b>	<b>100.0</b>	<b>548</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 588: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Vermont**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	532	66.1	532	66.1	0.0	100.0
Induced	0	n.a.	272	33.9	272	33.9	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>804</b>	<b>100.0</b>	<b>804</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Virginia

## NASA

Table 589: NASA Labor Income Impacts by Sources of Impact, Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	484,604	72.4	0	0.0	484,604	20.5	100.0
Indirect	0	0.0	1,228,083	72.7	1,228,083	52.0	0.0	100.0
Induced	184,948	27.6	461,985	27.3	646,933	27.4	28.6	71.4
<b>Total</b>	<b>669,552</b>	<b>100.0</b>	<b>1,690,067</b>	<b>100.0</b>	<b>2,359,619</b>	<b>100.0</b>	<b>28.4</b>	<b>71.6</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 590: NASA Value Added Impacts by Sources of Impact, Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	636,060	64.5	0	0.0	636,060	17.8	100.0
Indirect	0	0.0	1,710,020	65.9	1,710,020	47.8	0.0	100.0
Induced	350,050	35.5	884,528	34.1	1,234,578	34.5	28.4	71.6
<b>Total</b>	<b>986,111</b>	<b>100.0</b>	<b>2,594,548</b>	<b>100.0</b>	<b>3,580,659</b>	<b>100.0</b>	<b>27.5</b>	<b>72.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 591: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	44,750	72.6	0	0.0	44,750	13.2	100.0
Indirect	0	0.0	201,964	73.1	201,964	59.8	0.0	100.0
Induced	16,897	27.4	74,144	26.9	91,042	27.0	18.6	81.4
<b>Total</b>	<b>61,647</b>	<b>100.0</b>	<b>276,108</b>	<b>100.0</b>	<b>337,755</b>	<b>100.0</b>	<b>18.3</b>	<b>81.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 592: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Virginia**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	62,950	66.4	0	0.0	62,950	12.8	100.0	0.0
Indirect	0	0.0	256,278	64.5	256,278	52.1	0.0	100.0
Induced	31,793	33.6	141,019	35.5	172,813	35.1	18.4	81.6
<b>Total</b>	<b>94,743</b>	<b>100.0</b>	<b>397,297</b>	<b>100.0</b>	<b>492,040</b>	<b>100.0</b>	<b>19.3</b>	<b>80.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 593: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Virginia**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	107,478	72.1	0	0.0	107,478	28.5	100.0	0.0
Indirect	0	0.0	165,279	72.3	165,279	43.8	0.0	100.0
Induced	41,575	27.9	63,276	27.7	104,851	27.8	39.7	60.3
<b>Total</b>	<b>149,053</b>	<b>100.0</b>	<b>228,556</b>	<b>100.0</b>	<b>377,609</b>	<b>100.0</b>	<b>39.5</b>	<b>60.5</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 594: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Virginia**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	150,055	65.6	0	0.0	150,055	26.2	100.0	0.0
Indirect	0	0.0	221,484	64.5	221,484	38.7	0.0	100.0
Induced	78,662	34.4	121,775	35.5	200,438	35.0	39.2	60.8
<b>Total</b>	<b>228,717</b>	<b>100.0</b>	<b>343,259</b>	<b>100.0</b>	<b>571,977</b>	<b>100.0</b>	<b>40.0</b>	<b>60.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Washington

## NASA

Table 595: NASA Labor Income Impacts by Sources of Impact, Washington

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,806	68.7	0	0.0	5,806	1.8	100.0
Indirect	0	0.0	224,571	69.9	224,571	68.1	0.0	100.0
Induced	2,644	31.3	96,598	30.1	99,243	30.1	2.7	97.3
<b>Total</b>	<b>8,450</b>	<b>100.0</b>	<b>321,169</b>	<b>100.0</b>	<b>329,619</b>	<b>100.0</b>	<b>2.6</b>	<b>97.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 596: NASA Value Added Impacts by Sources of Impact, Washington

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	7,755	60.9	0	0.0	7,755	1.4	100.0
Indirect	0	0.0	353,614	65.7	353,614	64.2	0.0	100.0
Induced	4,988	39.1	184,576	34.3	189,564	34.4	2.6	97.4
<b>Total</b>	<b>12,743</b>	<b>100.0</b>	<b>538,190</b>	<b>100.0</b>	<b>550,933</b>	<b>100.0</b>	<b>2.3</b>	<b>97.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 597: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Washington

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	510	68.5	0	0.0	510	0.2	100.0
Indirect	0	0.0	192,471	70.2	192,471	70.0	0.0	100.0
Induced	235	31.5	81,838	29.8	82,073	29.8	0.3	99.7
<b>Total</b>	<b>745</b>	<b>100.0</b>	<b>274,309</b>	<b>100.0</b>	<b>275,055</b>	<b>100.0</b>	<b>0.3</b>	<b>99.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 598: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Washington**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	916	67.8	0	0.0	916	0.2	100.0	0.0
Indirect	0	0.0	305,501	66.3	305,501	66.1	0.0	100.0
Induced	434	32.2	155,311	33.7	155,745	33.7	0.3	99.7
<b>Total</b>	<b>1,351</b>	<b>100.0</b>	<b>460,812</b>	<b>100.0</b>	<b>462,163</b>	<b>100.0</b>	<b>0.3</b>	<b>99.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 599: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Washington**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	314	68.6	0	0.0	314	1.4	100.0	0.0
Indirect	0	0.0	14,821	69.5	14,821	68.1	0.0	100.0
Induced	144	31.4	6,491	30.5	6,636	30.5	2.2	97.8
<b>Total</b>	<b>458</b>	<b>100.0</b>	<b>21,312</b>	<b>100.0</b>	<b>21,771</b>	<b>100.0</b>	<b>2.1</b>	<b>97.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 600: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Washington**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	479	63.6	0	0.0	479	1.3	100.0	0.0
Indirect	0	0.0	23,364	65.1	23,364	63.7	0.0	100.0
Induced	273	36.4	12,543	34.9	12,817	35.0	2.1	97.9
<b>Total</b>	<b>752</b>	<b>100.0</b>	<b>35,907</b>	<b>100.0</b>	<b>36,660</b>	<b>100.0</b>	<b>2.1</b>	<b>97.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Washington, D.C.

## NASA

Table 601: NASA Labor Income Impacts by Sources of Impact, Washington, D.C.

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	68,523	87.6	0	0.0	68,523	17.8	100.0
Indirect	0	0.0	265,681	86.4	265,681	68.9	0.0	100.0
Induced	9,700	12.4	41,910	13.6	51,611	13.4	18.8	81.2
<b>Total</b>	<b>78,223</b>	<b>100.0</b>	<b>307,592</b>	<b>100.0</b>	<b>385,815</b>	<b>100.0</b>	<b>20.3</b>	<b>79.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 602: NASA Value Added Impacts by Sources of Impact, Washington, D.C.

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	85,641	86.0	0	0.0	85,641	16.9	100.0
Indirect	0	0.0	346,837	85.1	346,837	68.4	0.0	100.0
Induced	13,891	14.0	60,884	14.9	74,775	14.7	18.6	81.4
<b>Total</b>	<b>99,531</b>	<b>100.0</b>	<b>407,721</b>	<b>100.0</b>	<b>507,253</b>	<b>100.0</b>	<b>19.6</b>	<b>80.4</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 603: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Washington, D.C.

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	5,098	87.2	0	0.0	5,098	21.6	100.0
Indirect	0	0.0	15,080	85.1	15,080	64.0	0.0	100.0
Induced	750	12.8	2,644	14.9	3,395	14.4	22.1	77.9
<b>Total</b>	<b>5,849</b>	<b>100.0</b>	<b>17,725</b>	<b>100.0</b>	<b>23,573</b>	<b>100.0</b>	<b>24.8</b>	<b>75.2</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 604: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Washington, D.C.**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	6,498	86.1	0	0.0	6,498	21.9	100.0
Indirect	0	0.0	18,354	83.1	18,354	61.9	0.0	100.0
Induced	1,051	13.9	3,735	16.9	4,786	16.1	22.0	78.0
<b>Total</b>	<b>7,549</b>	<b>100.0</b>	<b>22,089</b>	<b>100.0</b>	<b>29,638</b>	<b>100.0</b>	<b>25.5</b>	<b>74.5</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 605: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Washington, D.C.**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	9,516	88.0	0	0.0	9,516	17.6	100.0
Indirect	0	0.0	37,281	86.3	37,281	69.0	0.0	100.0
Induced	1,302	12.0	5,897	13.7	7,199	13.3	18.1	81.9
<b>Total</b>	<b>10,819</b>	<b>100.0</b>	<b>43,177</b>	<b>100.0</b>	<b>53,996</b>	<b>100.0</b>	<b>20.0</b>	<b>80.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 606: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Washington, D.C.**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	11,239	85.5	0	0.0	11,239	16.6	100.0
Indirect	0	0.0	45,902	84.2	45,902	67.8	0.0	100.0
Induced	1,911	14.5	8,631	15.8	10,543	15.6	18.1	81.9
<b>Total</b>	<b>13,150</b>	<b>100.0</b>	<b>54,534</b>	<b>100.0</b>	<b>67,684</b>	<b>100.0</b>	<b>19.4</b>	<b>80.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.



## West Virginia

## NASA

Table 607: NASA Labor Income Impacts by Sources of Impact, West Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	11,710	76.6	0	0.0	11,710	23.7	100.0
Indirect	0	0.0	26,002	76.1	26,002	52.6	0.0	100.0
Induced	3,569	23.4	8,176	23.9	11,745	23.7	30.4	69.6
<b>Total</b>	<b>15,279</b>	<b>100.0</b>	<b>34,178</b>	<b>100.0</b>	<b>49,457</b>	<b>100.0</b>	<b>30.9</b>	<b>69.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 608: NASA Value Added Impacts by Sources of Impact, West Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	15,805	71.5	0	0.0	15,805	21.5	100.0
Indirect	0	0.0	36,853	71.6	36,853	50.1	0.0	100.0
Induced	6,296	28.5	14,602	28.4	20,897	28.4	30.1	69.9
<b>Total</b>	<b>22,100</b>	<b>100.0</b>	<b>51,454</b>	<b>100.0</b>	<b>73,554</b>	<b>100.0</b>	<b>30.0</b>	<b>70.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 609: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, West Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	231	77.0	0	0.0	231	10.5	100.0
Indirect	0	0.0	1,446	76.3	1,446	65.8	0.0	100.0
Induced	69	23.0	449	23.7	519	23.6	13.3	86.7
<b>Total</b>	<b>300</b>	<b>100.0</b>	<b>1,895</b>	<b>100.0</b>	<b>2,195</b>	<b>100.0</b>	<b>13.7</b>	<b>86.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 610: Moon to Mars Campaign Value Added Impacts by Sources of Impact, West Virginia**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	429	78.1	0	0.0	429	12.6	100.0
Indirect	0	0.0	2,076	72.5	2,076	60.8	0.0	100.0
Induced	120	21.9	789	27.5	909	26.6	13.2	86.8
<b>Total</b>	<b>548</b>	<b>100.0</b>	<b>2,865</b>	<b>100.0</b>	<b>3,413</b>	<b>100.0</b>	<b>16.1</b>	<b>83.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 611: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, West Virginia**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	253	76.0	0	0.0	253	44.1	100.0
Indirect	0	0.0	183	76.4	183	32.0	0.0	100.0
Induced	80	24.0	57	23.6	136	23.8	58.4	41.6
<b>Total</b>	<b>332</b>	<b>100.0</b>	<b>240</b>	<b>100.0</b>	<b>572</b>	<b>100.0</b>	<b>58.1</b>	<b>41.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 612: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, West Virginia**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	286	66.5	0	0.0	286	35.5	100.0
Indirect	0	0.0	272	72.6	272	33.8	0.0	100.0
Induced	144	33.5	103	27.4	247	30.7	58.3	41.7
<b>Total</b>	<b>430</b>	<b>100.0</b>	<b>375</b>	<b>100.0</b>	<b>805</b>	<b>100.0</b>	<b>53.4</b>	<b>46.6</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Wisconsin

## NASA

Table 613: NASA Labor Income Impacts by Sources of Impact, Wisconsin

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	647	67.6	0	0.0	647	2.5	100.0
Indirect	0	0.0	17,122	68.8	17,122	66.2	0.0	100.0
Induced	309	32.4	7,772	31.2	8,081	31.3	3.8	96.2
<b>Total</b>	<b>956</b>	<b>100.0</b>	<b>24,894</b>	<b>100.0</b>	<b>25,850</b>	<b>100.0</b>	<b>3.7</b>	<b>96.3</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 614: NASA Value Added Impacts by Sources of Impact, Wisconsin

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,020	65.4	0	0.0	1,020	2.6	100.0
Indirect	0	0.0	23,861	63.4	23,861	60.9	0.0	100.0
Induced	541	34.6	13,779	36.6	14,320	36.5	3.8	96.2
<b>Total</b>	<b>1,561</b>	<b>100.0</b>	<b>37,640</b>	<b>100.0</b>	<b>39,200</b>	<b>100.0</b>	<b>4.0</b>	<b>96.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 615: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Wisconsin

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	274	68.1	0	0.0	274	6.5	100.0
Indirect	0	0.0	2,607	68.9	2,607	62.2	0.0	100.0
Induced	128	31.9	1,179	31.1	1,307	31.2	9.8	90.2
<b>Total</b>	<b>402</b>	<b>100.0</b>	<b>3,785</b>	<b>100.0</b>	<b>4,188</b>	<b>100.0</b>	<b>9.6</b>	<b>90.4</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 616: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Wisconsin**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	320	58.8	0	0.0	320	5.1	100.0
Indirect	0	0.0	3,625	63.5	3,625	58.0	0.0	100.0
Induced	224	41.2	2,084	36.5	2,309	36.9	9.7	90.3
<b>Total</b>	<b>545</b>	<b>100.0</b>	<b>5,709</b>	<b>100.0</b>	<b>6,254</b>	<b>100.0</b>	<b>8.7</b>	<b>91.3</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 617: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Wisconsin**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	10	67.2	0	0.0	10	0.1	100.0
Indirect	0	0.0	8,808	68.7	8,808	68.6	0.0	100.0
Induced	5	32.8	4,019	31.3	4,024	31.3	0.1	99.9
<b>Total</b>	<b>14</b>	<b>100.0</b>	<b>12,826</b>	<b>100.0</b>	<b>12,841</b>	<b>100.0</b>	<b>0.1</b>	<b>99.9</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 618: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Wisconsin**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	49	85.7	0	0.0	49	0.3	100.0
Indirect	0	0.0	12,419	63.4	12,419	63.3	0.0	100.0
Induced	8	14.3	7,154	36.6	7,162	36.5	0.1	99.9
<b>Total</b>	<b>58</b>	<b>100.0</b>	<b>19,573</b>	<b>100.0</b>	<b>19,631</b>	<b>100.0</b>	<b>0.3</b>	<b>99.7</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Wyoming

## NASA

Table 619: NASA Labor Income Impacts by Sources of Impact, Wyoming

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	431	84.0	0	0.0	431	31.0	100.0
Indirect	0	0.0	737	83.9	737	53.0	0.0	100.0
Induced	82	16.0	141	16.1	223	16.1	36.7	63.3
<b>Total</b>	<b>513</b>	<b>100.0</b>	<b>878</b>	<b>100.0</b>	<b>1,391</b>	<b>100.0</b>	<b>36.9</b>	<b>63.1</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

Table 620: NASA Value Added Impacts by Sources of Impact, Wyoming

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	650	80.3	0	0.0	650	31.4	100.0
Indirect	0	0.0	983	78.0	983	47.5	0.0	100.0
Induced	159	19.7	278	22.0	437	21.1	36.4	63.6
<b>Total</b>	<b>809</b>	<b>100.0</b>	<b>1,261</b>	<b>100.0</b>	<b>2,070</b>	<b>100.0</b>	<b>39.1</b>	<b>60.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Moon to Mars Campaign

Table 621: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Wyoming

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	207	84.4	0	0.0	207	82.1	100.0
Indirect	0	0.0	6	84.2	6	2.3	0.0	100.0
Induced	38	15.6	1	15.8	39	15.6	97.2	2.8
<b>Total</b>	<b>245</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>252</b>	<b>100.0</b>	<b>97.3</b>	<b>2.7</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 622: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Wyoming**

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	257	77.7	0	0.0	257	75.4	100.0
Indirect	0	0.0	8	78.5	8	2.3	0.0	100.0
Induced	74	22.3	2	21.5	76	22.3	97.2	2.8
<b>Total</b>	<b>330</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>340</b>	<b>100.0</b>	<b>97.1</b>	<b>2.9</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## Investments in Climate Change Research and Technology

**Table 623: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Wyoming**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	163	83.7	163	83.7	0.0	100.0
Induced	0	n.a.	32	16.3	32	16.3	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>194</b>	<b>100.0</b>	<b>194</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

**Table 624: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Wyoming**

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	221	77.9	221	77.9	0.0	100.0
Induced	0	n.a.	63	22.1	63	22.1	0.0	100.0
<b>Total</b>	<b>0</b>	<b>n.a.</b>	<b>284</b>	<b>100.0</b>	<b>284</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>

Notes: 1) The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors. 2) Values may not sum exactly due to rounding to the nearest whole number.

## DETAILED IMPACTS

In this section, we present detailed industry level impacts, organized by four impact categories: employment, labor income, value added, and economic output. For each region, first, detailed NASA impacts are presented, and then detailed impacts for the M2M Campaign and Investments in Climate Change Research and Technology are provided.

### The United States

#### NASA

**Table 625: Detailed NASA Impacts by Types of Impact, the United States**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>304,803</i>	<i>27,598,864,456</i>	<i>42,364,534,049</i>	<i>75,623,064,251</i>
Oilseed farming	50	7,745,625	21,831,990	33,110,464
Grain farming	261	13,710,156	23,973,407	84,634,977
Vegetable and melon farming	110	5,526,694	11,346,999	18,701,751
Fruit farming	105	4,808,178	10,268,630	12,816,728
Tree nut farming	14	817,454	1,745,804	2,179,015
Greenhouse, nursery, and floriculture production	128	5,182,747	9,334,610	15,522,117
Tobacco farming	5	147,782	240,963	424,429
Cotton farming	13	604,062	1,005,880	1,766,760
Sugarcane and sugar beet farming	18	1,079,743	1,776,795	3,127,751
All other crop farming	419	4,611,444	7,602,639	13,358,224
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	430	9,930,769	25,960,463	71,268,931
Dairy cattle and milk production	90	4,848,219	11,109,465	48,764,196
Poultry and egg production	116	3,644,200	7,381,863	69,625,369
Animal production, except cattle and poultry and eggs	339	15,051,220	36,772,804	47,346,736
Forestry, forest products, and timber tract production	16	1,261,932	1,454,228	1,897,120
Commercial logging	67	4,187,356	5,274,394	8,017,087
Commercial fishing	51	1,299,172	3,312,914	3,432,061
Commercial hunting and trapping	12	274,025	1,114,418	1,400,015
Support activities for agriculture and forestry	574	25,601,175	26,258,683	29,247,498
Oil and gas extraction	174	33,864,499	128,421,751	275,576,274
Coal mining	28	3,319,721	10,572,084	15,957,781
Copper, nickel, lead, and zinc mining	17	1,980,582	8,250,942	13,235,595
Iron ore mining	3	398,850	882,571	1,610,314

## Appendix

Gold ore mining	9	1,099,773	2,846,377	5,146,622
Silver ore mining	2	252,440	481,444	887,176
Uranium-radium-vanadium ore mining	5	547,653	1,787,267	3,195,763
Other metal ore mining	2	296,155	646,741	1,180,999
Stone mining and quarrying	24	2,215,038	9,146,313	14,312,446
Sand and gravel mining	22	2,068,976	4,011,020	6,864,167
Other clay, ceramic, refractory minerals mining	2	230,057	506,927	860,189
Potash, soda, and borate mineral mining	1	183,778	290,383	504,869
Phosphate rock mining	<1	70,830	145,873	248,607
Other chemical and fertilizer mineral mining	1	125,904	208,811	361,587
Other nonmetallic minerals	5	469,526	897,115	1,536,837
Drilling oil and gas wells	<1	12,896	39,548	65,359
Support activities for oil and gas operations	2	228,646	412,307	734,672
Metal mining services	10	1,923,542	6,764,356	14,320,685
Other nonmetallic minerals services	<1	61,590	215,824	458,396
Electric power generation - Hydroelectric	11	2,610,689	5,976,424	10,165,556
Electric power generation - Fossil fuel	113	25,228,455	90,935,543	195,950,453
Electric power generation - Nuclear	57	14,828,196	32,426,041	61,193,160
Electric power generation - Solar	14	2,957,243	7,140,139	12,190,688
Electric power generation - Wind	12	2,462,555	20,303,552	36,334,022
Electric power generation - Geothermal	2	388,979	841,482	1,425,340
Electric power generation - Biomass	3	607,007	1,936,350	4,481,245
Electric power generation - All other	5	1,273,300	328,996	925,356
Electric power transmission and distribution	379	78,252,014	278,462,688	602,997,797
Natural gas distribution	118	25,638,231	87,882,413	164,346,028
Water, sewage and other systems	72	9,190,801	19,535,028	32,466,263
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0



## Appendix

Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	3,408	237,684,668	238,980,087	504,450,443
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1,011	70,767,586	112,658,639	264,749,904
Maintenance and repair construction of residential structures	457	29,982,807	45,385,598	102,694,587
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	32,578	52,636	121,933
Dog and cat food manufacturing	34	3,073,977	8,343,904	31,910,998
Other animal food manufacturing	47	4,158,080	8,531,179	61,157,254
Flour milling	14	1,367,917	2,939,754	17,868,317
Rice milling	4	280,251	495,621	2,997,668
Malt manufacturing	1	109,331	207,772	1,259,099
Wet corn milling	13	1,879,244	4,298,522	25,078,828
Soybean and other oilseed processing	9	843,541	5,227,644	51,313,665
Fats and oils refining and blending	7	677,579	1,828,177	16,530,035
Breakfast cereal manufacturing	12	1,248,655	3,200,038	11,190,034
Beet sugar manufacturing	6	507,465	967,959	4,122,014
Sugar cane mills and refining	6	608,321	1,612,085	6,914,628
Nonchocolate confectionery manufacturing	23	1,801,275	2,553,927	10,778,919
Chocolate and confectionery manufacturing from cacao beans	9	790,698	1,161,449	4,907,890
Confectionery manufacturing from purchased chocolate	30	1,855,974	2,834,688	11,993,907
Frozen fruits, juices and vegetables manufacturing	27	2,042,929	3,882,085	15,623,069
Frozen specialties manufacturing	65	4,573,967	6,237,561	24,846,682
Canned fruits and vegetables manufacturing	47	3,753,471	6,832,547	27,210,345
Canned specialties	11	886,801	2,079,920	8,333,388
Dehydrated food products manufacturing	10	762,236	1,325,927	5,273,811

## Appendix

Cheese manufacturing	57	4,595,897	6,652,041	58,113,374
Dry, condensed, and evaporated dairy product manufacturing	14	1,462,053	3,604,529	17,568,448
Fluid milk manufacturing	47	4,089,017	6,727,799	36,058,597
Creamery butter manufacturing	3	256,591	855,829	4,656,732
Ice cream and frozen dessert manufacturing	19	1,338,897	1,918,282	8,240,931
Frozen cakes and other pastries manufacturing	160	6,947,041	10,801,969	18,868,868
Poultry processing	217	12,955,047	16,576,136	79,604,540
Animal, except poultry, slaughtering	120	8,940,667	11,445,939	88,357,111
Meat processed from carcasses	129	9,372,010	9,581,166	72,376,803
Rendering and meat byproduct processing	11	974,972	1,132,803	5,740,660
Seafood product preparation and packaging	29	2,191,021	2,976,089	15,479,127
Bread and bakery product, except frozen, manufacturing	374	18,443,972	27,662,661	65,542,826
Cookie and cracker manufacturing	38	2,621,803	3,911,695	13,633,634
Dry pasta, mixes, and dough manufacturing	21	1,619,469	3,729,602	13,151,037
Tortilla manufacturing	20	1,214,745	1,611,503	5,593,396
Roasted nuts and peanut butter manufacturing	25	2,111,409	5,112,645	16,120,439
Other snack food manufacturing	59	4,476,904	10,904,436	37,165,186
Coffee and tea manufacturing	19	1,404,586	2,621,290	13,072,468
Flavoring syrup and concentrate manufacturing	12	1,388,164	9,696,416	21,783,449
Mayonnaise, dressing, and sauce manufacturing	18	1,471,140	2,717,414	11,164,426
Spice and extract manufacturing	24	2,317,740	3,791,067	15,521,811
All other food manufacturing	95	6,589,429	9,336,018	41,963,983
Bottled and canned soft drinks & water	100	8,802,235	15,870,100	66,877,276
Manufactured ice	8	488,228	349,679	1,421,496
Breweries	112	7,077,337	15,582,657	39,576,010
Wineries	83	5,884,911	10,528,915	31,641,159
Distilleries	27	2,446,544	10,884,481	23,200,223
Tobacco product manufacturing	10	1,113,914	27,389,817	41,943,892
Fiber, yarn, and thread mills	14	730,639	926,662	4,613,010
Broadwoven fabric mills	14	886,660	1,196,111	4,251,507
Narrow fabric mills and schiffli machine embroidery	3	161,968	177,322	548,830
Nonwoven fabric mills	9	684,554	1,156,364	4,570,926
Knit fabric mills	2	137,310	175,433	604,180

## Appendix

Textile and fabric finishing mills	23	1,505,876	1,933,132	7,865,137
Fabric coating mills	4	334,208	404,698	1,586,968
Carpet and rug mills	16	991,392	1,425,762	5,669,628
Curtain and linen mills	14	734,368	913,285	3,053,565
Textile bag and canvas mills	23	1,357,165	1,719,495	5,155,667
Rope, cordage, twine, tire cord and tire fabric mills	6	425,714	573,680	1,783,298
Other textile product mills	26	1,384,688	1,632,131	4,668,577
Hosiery and sock mills	9	372,256	477,123	999,975
Other apparel knitting mills	6	245,516	340,653	742,189
Cut and sew apparel contractors	34	1,416,523	1,564,901	3,013,381
Men's and boys' cut and sew apparel manufacturing	32	1,635,991	1,863,570	4,127,729
Women's and girls' cut and sew apparel manufacturing	28	1,548,272	2,016,444	6,469,708
Other cut and sew apparel manufacturing	19	848,375	1,045,986	2,626,395
Apparel accessories and other apparel manufacturing	21	953,054	1,161,592	2,919,089
Leather and hide tanning and finishing	2	93,731	115,617	493,706
Footwear manufacturing	14	770,101	816,410	2,196,336
Other leather and allied product manufacturing	11	579,892	622,965	1,768,128
Sawmills	63	4,773,981	9,302,931	33,151,165
Wood preservation	8	599,899	1,898,207	6,820,813
Veneer and plywood manufacturing	18	1,420,645	2,458,758	7,721,191
Engineered wood member and truss manufacturing	26	2,022,623	3,486,609	10,947,848
Reconstituted wood product manufacturing	9	842,026	2,846,521	9,045,996
Wood windows and door manufacturing	65	5,003,457	6,949,473	20,000,951
Cut stock, resawing lumber, and planing	11	710,160	1,527,961	4,445,537
Other millwork, including flooring	34	2,258,604	3,765,834	10,893,978
Wood container and pallet manufacturing	40	2,560,436	3,641,349	10,305,533
Manufactured home (mobile home) manufacturing	<1	14,134	20,973	59,429
Prefabricated wood building manufacturing	10	711,928	1,286,947	3,665,579
All other miscellaneous wood product manufacturing	20	1,397,921	2,066,523	5,855,223
Pulp mills	<1	44,045	69,416	252,418
Paper mills	43	5,245,925	11,438,453	36,682,963

## Appendix

Paperboard mills	32	4,283,298	9,305,418	31,426,757
Paperboard container manufacturing	143	14,067,788	20,512,549	84,390,066
Paper bag and coated and treated paper manufacturing	44	4,186,407	6,307,837	21,372,630
Stationery product manufacturing	7	580,964	736,651	2,905,831
Sanitary paper product manufacturing	23	2,615,991	7,700,934	22,708,493
All other converted paper product manufacturing	13	1,076,462	1,757,889	5,552,873
Printing	573	36,677,641	53,918,949	112,287,928
Support activities for printing	28	1,825,892	2,671,665	4,177,885
Petroleum refineries	53	17,574,071	138,295,595	674,279,696
Asphalt paving mixture and block manufacturing	5	919,699	1,328,185	5,658,115
Asphalt shingle and coating materials manufacturing	5	994,621	3,409,179	8,143,605
Petroleum lubricating oil and grease manufacturing	152	28,638,727	75,594,855	205,211,426
All other petroleum and coal products manufacturing	4	657,136	1,771,071	4,804,324
Petrochemical manufacturing	21	4,424,537	48,275,460	165,229,742
Industrial gas manufacturing	27	4,638,813	15,025,411	37,741,167
Synthetic dye and pigment manufacturing	6	831,877	1,861,584	4,849,141
Other basic inorganic chemical manufacturing	18	2,885,653	7,271,009	18,387,775
Other basic organic chemical manufacturing	39	5,629,990	14,935,461	77,761,610
Plastics material and resin manufacturing	36	5,522,297	10,697,809	57,673,660
Synthetic rubber manufacturing	4	512,154	759,393	3,213,594
Artificial and synthetic fibers and filaments manufacturing	17	2,289,526	3,246,504	13,655,342
Nitrogenous fertilizer manufacturing	5	888,767	3,987,673	11,816,785
Phosphatic fertilizer manufacturing	3	417,509	1,305,772	3,801,758
Fertilizer mixing	4	404,450	992,800	2,843,985
Pesticide and other agricultural chemical manufacturing	10	1,478,851	5,706,442	18,644,153
Medicinal and botanical manufacturing	33	5,435,546	11,914,247	24,726,970
Pharmaceutical preparation manufacturing	171	31,818,787	123,462,404	231,761,659
In-vitro diagnostic substance manufacturing	14	2,256,127	4,415,261	8,533,025
Biological product (except diagnostic) manufacturing	20	3,211,263	12,667,729	21,283,757

## Appendix

Paint and coating manufacturing	29	3,439,630	8,416,015	27,243,027
Adhesive manufacturing	16	1,891,981	3,812,613	12,088,048
Soap and other detergent manufacturing	27	3,660,258	13,403,250	34,205,136
Polish and other sanitation good manufacturing	26	2,982,523	6,128,111	15,030,287
Surface active agent manufacturing	2	251,617	1,026,571	2,633,169
Toilet preparation manufacturing	50	4,913,878	21,111,586	46,233,614
Printing ink manufacturing	8	886,566	1,031,273	4,107,541
Explosives manufacturing	3	306,053	364,494	1,127,007
Custom compounding of purchased resins	23	2,345,992	4,858,131	16,110,088
Photographic film and chemical manufacturing	11	1,262,857	2,767,655	9,224,107
Other miscellaneous chemical product manufacturing	32	3,973,163	7,495,932	24,635,321
Plastics packaging materials and unlaminated film and sheet manufacturing	67	5,619,527	8,540,125	34,430,587
Unlaminated plastics profile shape manufacturing	23	1,894,202	3,772,704	12,949,777
Plastics pipe and pipe fitting manufacturing	27	2,278,329	5,774,247	20,731,388
Laminated plastics plate, sheet (except packaging), and shape manufacturing	15	1,271,963	1,993,394	5,780,918
Polystyrene foam product manufacturing	30	2,269,304	3,793,914	14,664,473
Urethane and other foam product (except polystyrene) manufacturing	35	2,513,742	3,978,670	16,355,481
Plastics bottle manufacturing	35	2,813,536	4,169,029	17,500,435
Other plastics product manufacturing	287	21,933,965	30,868,588	101,050,651
Tire manufacturing	41	3,669,629	4,578,541	17,106,642
Rubber and plastics hoses and belting manufacturing	10	813,828	1,217,598	3,762,201
Other rubber product manufacturing	63	4,884,102	6,017,042	20,476,589
Pottery, ceramics, and plumbing fixture manufacturing	8	641,865	1,012,257	2,219,773
Brick, tile, and other structural clay product manufacturing	13	1,074,101	1,929,424	4,279,563
Flat glass manufacturing	9	748,385	1,481,759	3,599,121
Other pressed and blown glass and glassware manufacturing	19	1,646,843	2,697,362	6,451,248
Glass container manufacturing	13	1,285,319	2,041,797	4,869,662
Glass product manufacturing made of purchased glass	41	3,158,657	5,808,082	14,027,988

## Appendix

Cement manufacturing	10	1,111,796	2,719,079	6,951,769
Ready-mix concrete manufacturing	68	6,080,877	10,537,195	32,381,796
Concrete block and brick manufacturing	21	1,794,283	3,381,211	8,162,719
Concrete pipe manufacturing	14	1,309,725	2,346,310	5,641,546
Other concrete product manufacturing	60	4,888,911	7,676,567	18,252,106
Lime manufacturing	3	318,793	793,431	1,949,446
Gypsum product manufacturing	20	2,035,407	6,148,874	15,260,876
Abrasive product manufacturing	5	435,055	983,476	1,705,556
Cut stone and stone product manufacturing	22	1,489,670	2,004,738	4,436,116
Ground or treated mineral and earth manufacturing	5	498,014	1,257,833	2,707,962
Mineral wool manufacturing	6	628,141	1,777,846	3,987,825
Miscellaneous nonmetallic mineral products manufacturing	10	905,948	2,226,326	4,784,885
Iron and steel mills and ferroalloy manufacturing	47	6,108,672	17,066,647	91,444,483
Iron, steel pipe and tube manufacturing from purchased steel	13	1,329,926	3,157,339	11,806,899
Rolled steel shape manufacturing	11	1,121,356	3,957,203	15,104,729
Steel wire drawing	6	487,475	1,094,728	4,078,927
Alumina refining and primary aluminum production	5	536,487	928,645	4,188,417
Secondary smelting and alloying of aluminum	3	303,308	702,830	5,769,951
Aluminum sheet, plate, and foil manufacturing	9	1,036,242	2,271,863	10,423,666
Other aluminum rolling, drawing and extruding	16	1,265,438	2,015,059	9,005,208
Nonferrous metal (exc aluminum) smelting and refining	1	107,715	806,735	2,296,924
Copper rolling, drawing, extruding and alloying	13	1,246,041	2,820,942	22,402,135
Nonferrous metal, except copper and aluminum, shaping	7	695,658	877,983	3,587,456
Secondary processing of other nonferrous metals	1	99,969	233,568	1,009,740
Ferrous metal foundries	28	2,424,223	4,495,374	10,239,337
Nonferrous metal foundries	26	2,022,838	2,812,408	7,224,465
Custom roll forming	3	299,716	417,115	2,116,623
Crown and closure manufacturing and metal stamping	31	2,360,325	3,017,698	9,423,879
Iron and steel forging	19	1,644,355	2,198,508	7,755,441
Nonferrous forging	7	594,580	757,849	2,596,320

## Appendix

Cutlery, utensil, pot, and pan manufacturing	7	707,412	1,495,618	4,271,458
Handtool manufacturing	17	1,367,721	2,114,357	5,359,103
Prefabricated metal buildings and components manufacturing	32	2,687,728	3,991,077	14,371,113
Fabricated structural metal manufacturing	91	7,834,672	11,448,987	40,892,216
Plate work manufacturing	33	2,796,570	3,173,984	9,664,251
Metal window and door manufacturing	45	3,313,142	4,531,792	13,712,735
Sheet metal work manufacturing	57	4,394,020	5,864,687	17,495,789
Ornamental and architectural metal work manufacturing	40	3,095,455	3,748,643	10,508,833
Power boiler and heat exchanger manufacturing	2	173,331	233,004	650,393
Metal tank (heavy gauge) manufacturing	9	799,638	978,207	3,024,753
Metal cans manufacturing	19	1,906,355	3,528,687	17,997,656
Metal barrels, drums and pails manufacturing	7	535,803	689,821	2,955,440
Hardware manufacturing	15	1,330,120	1,957,024	6,512,265
Spring and wire product manufacturing	31	2,426,604	3,131,613	10,125,763
Machine shops	240	18,530,522	21,698,150	46,881,850
Turned product and screw, nut, and bolt manufacturing	39	3,231,005	4,072,449	11,337,987
Metal heat treating	16	1,379,671	1,763,989	4,551,581
Metal coating and nonprecious engraving	47	3,371,942	5,754,146	17,202,875
Electroplating, anodizing, and coloring metal	48	3,367,146	3,660,137	8,391,271
Valve and fittings, other than plumbing, manufacturing	46	4,415,160	6,376,415	18,689,114
Plumbing fixture fitting and trim manufacturing	10	790,645	1,816,046	6,715,540
Ball and roller bearing manufacturing	10	836,005	1,312,128	3,630,944
Small arms ammunition manufacturing	8	658,332	1,392,155	3,915,039
Ammunition, except for small arms, manufacturing	1	176,419	194,357	392,795
Small arms, ordnance, and accessories manufacturing	22	2,020,126	3,942,027	10,801,977
Fabricated pipe and pipe fitting manufacturing	10	819,681	1,015,906	2,879,146
Other fabricated metal manufacturing	56	4,475,036	5,828,508	16,842,785
Farm machinery and equipment manufacturing	3	240,094	466,959	1,921,034

## Appendix

Lawn and garden equipment manufacturing	1	97,509	162,503	809,630
Construction machinery manufacturing	1	119,307	276,209	892,096
Mining machinery and equipment manufacturing	<1	25,404	38,470	107,794
Oil and gas field machinery and equipment manufacturing	<1	122,625	164,186	443,474
Semiconductor machinery manufacturing	2	446,214	560,452	1,372,408
Food product machinery manufacturing	1	105,113	123,933	373,245
Sawmill, woodworking, and paper machinery	<1	49,073	55,513	164,478
Printing machinery and equipment manufacturing	<1	31,315	35,556	105,504
All other industrial machinery manufacturing	3	268,827	359,711	919,430
Optical instrument and lens manufacturing	139	16,657,607	25,087,263	57,045,401
Photographic and photocopying equipment manufacturing	<1	50,090	63,709	179,848
Other commercial service industry machinery manufacturing	9	884,378	1,542,425	4,211,138
Air purification and ventilation equipment manufacturing	8	677,556	917,230	2,504,558
Heating equipment (except warm air furnaces) manufacturing	10	800,388	1,318,602	3,615,604
Air conditioning, refrigeration, and warm air heating equipment manufacturing	27	2,187,846	4,018,703	12,138,843
Industrial mold manufacturing	2	191,363	236,050	517,782
Special tool, die, jig, and fixture manufacturing	2	178,132	242,840	466,678
Cutting tool and machine tool accessory manufacturing	2	201,733	241,349	583,453
Machine tool manufacturing	2	218,127	286,250	828,444
Rolling mill and other metalworking machinery manufacturing	2	158,696	214,219	539,996
Turbine and turbine generator set units manufacturing	<1	87,168	97,892	278,868
Speed changer, industrial high-speed drive, and gear manufacturing	5	411,525	624,605	1,605,830
Mechanical power transmission equipment manufacturing	5	445,457	692,522	1,648,854
Other engine equipment manufacturing	13	1,508,497	3,177,127	13,695,259



## Appendix

Pump and pumping equipment manufacturing	3	301,563	556,886	1,583,142
Air and gas compressor manufacturing	2	211,474	299,366	848,622
Elevator and moving stairway manufacturing	0	-17,913	-24,539	-75,901
Conveyor and conveying equipment manufacturing	3	310,312	350,486	1,011,800
Overhead cranes, hoists, and monorail systems manufacturing	2	176,347	332,946	1,118,383
Industrial truck, trailer, and stacker manufacturing	2	145,172	257,172	851,962
Power-driven handtool manufacturing	2	179,002	483,028	1,307,350
Welding and soldering equipment manufacturing	1	116,270	187,835	556,629
Packaging machinery manufacturing	2	215,908	342,608	882,698
Industrial process furnace and oven manufacturing	<1	36,858	46,272	109,585
Fluid power cylinder and actuator manufacturing	4	318,969	452,000	1,156,178
Fluid power pump and motor manufacturing	3	385,778	691,364	1,879,387
Scales, balances, and miscellaneous general purpose machinery manufacturing	1	131,580	167,126	461,115
Electronic computer manufacturing	25	8,676,786	12,693,547	27,948,200
Computer storage device manufacturing	3	669,971	1,090,233	3,382,949
Computer terminals and other computer peripheral equipment manufacturing	17	2,933,324	4,287,326	10,774,675
Telephone apparatus manufacturing	3	549,236	851,672	2,168,683
Broadcast and wireless communications equipment manufacturing	54	7,690,633	10,669,591	25,828,539
Other communications equipment manufacturing	9	1,081,128	1,721,883	4,888,593
Audio and video equipment manufacturing	6	1,061,583	1,975,766	6,376,809
Printed circuit assembly (electronic assembly) manufacturing	55	4,545,389	7,408,357	28,236,589
Bare printed circuit board manufacturing	24	2,354,600	2,908,069	7,184,179
Semiconductor and related device manufacturing	204	46,081,551	77,551,365	190,950,713

## Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	15	1,227,313	1,613,866	4,307,472
Electronic connector manufacturing	62	6,276,041	8,839,800	25,396,054
Other electronic component manufacturing	60	6,065,552	7,694,459	19,672,624
Electromedical and electrotherapeutic apparatus manufacturing	3	510,745	862,646	2,000,553
Search, detection, and navigation instruments manufacturing	114	17,096,117	28,268,065	65,558,519
Automatic environmental control manufacturing	13	1,331,506	1,746,454	4,076,864
Industrial process variable instruments manufacturing	9	884,694	1,287,855	3,217,428
Totalizing fluid meter and counting device manufacturing	2	233,257	444,561	1,095,221
Electricity and signal testing instruments manufacturing	14	2,110,189	2,632,040	6,398,576
Analytical laboratory instrument manufacturing	81	11,330,523	17,255,149	40,356,753
Irradiation apparatus manufacturing	<1	25,950	50,943	152,452
Watch, clock, and other measuring and controlling device manufacturing	12	2,006,315	2,983,143	6,508,742
Blank magnetic and optical recording media manufacturing	4	914,688	2,794,172	9,545,694
Software and other prerecorded and record reproducing	10	1,582,555	2,191,968	4,787,906
Electric lamp bulb and part manufacturing	5	533,036	739,626	1,982,014
Lighting fixture manufacturing	25	2,505,838	3,045,365	10,337,331
Small electrical appliance manufacturing	6	593,487	1,077,931	3,890,413
Household cooking appliance manufacturing	4	314,472	670,312	2,447,477
Household refrigerator and home freezer manufacturing	4	386,571	771,308	2,619,517
Household laundry equipment manufacturing	11	1,185,559	1,837,301	7,606,014
Other major household appliance manufacturing	2	172,976	396,101	1,214,400
Power, distribution, and specialty transformer manufacturing	2	168,114	213,873	615,783
Motor and generator manufacturing	6	647,789	961,505	3,175,229

## Appendix

Switchgear and switchboard apparatus manufacturing	9	993,993	1,498,231	4,696,591
Relay and industrial control manufacturing	8	996,197	1,242,663	3,267,577
Storage battery manufacturing	23	2,379,753	3,221,509	9,847,962
Primary battery manufacturing	4	466,874	651,215	1,852,417
Fiber optic cable manufacturing	17	1,838,698	2,408,443	9,747,139
Other communication and energy wire manufacturing	5	520,090	790,415	3,571,058
Wiring device manufacturing	18	1,828,886	2,925,572	8,415,149
Carbon and graphite product manufacturing	26	2,678,259	3,663,973	11,669,881
All other miscellaneous electrical equipment and component manufacturing	30	3,656,581	4,023,223	10,942,442
Automobile manufacturing	62	7,826,441	19,573,544	90,605,215
Light truck and utility vehicle manufacturing	16	1,508,782	3,762,260	25,058,780
Heavy duty truck manufacturing	1	130,631	214,874	1,298,125
Motor vehicle body manufacturing	3	231,699	284,783	1,097,503
Truck trailer manufacturing	<1	18,136	23,390	97,014
Motor home manufacturing	20	1,665,045	2,555,268	11,173,246
Travel trailer and camper manufacturing	41	3,399,603	4,073,673	18,735,997
Motor vehicle gasoline engine and engine parts manufacturing	29	2,647,945	3,771,557	19,809,933
Motor vehicle electrical and electronic equipment manufacturing	43	3,811,988	4,878,284	22,579,589
Motor vehicle transmission and power train parts manufacturing	43	4,156,816	5,830,889	28,036,001
Motor vehicle seating and interior trim manufacturing	21	1,605,031	1,867,762	10,059,898
Motor vehicle metal stamping	39	3,330,084	4,056,104	16,281,924
Other motor vehicle parts manufacturing	86	6,937,962	9,212,503	44,729,432
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	27	2,373,062	3,258,165	15,068,744
Aircraft manufacturing	306	45,080,821	84,458,092	181,566,408
Aircraft engine and engine parts manufacturing	67	8,793,055	21,014,303	41,107,716
Other aircraft parts and auxiliary equipment manufacturing	175	19,064,410	27,935,105	54,382,227
Guided missile and space vehicle manufacturing	182	33,186,134	57,507,533	106,727,508

## Appendix

Propulsion units and parts for space vehicles and guided missiles manufacturing	66	8,828,058	12,997,043	23,245,314
Railroad rolling stock manufacturing	1	106,528	119,279	450,551
Ship building and repairing	7	674,515	1,041,169	2,147,301
Boat building	31	2,245,351	3,638,453	10,959,653
Motorcycle, bicycle, and parts manufacturing	9	779,646	3,418,706	6,583,216
Military armored vehicle, tank, and tank component manufacturing	29	3,054,689	7,442,020	16,943,190
All other transportation equipment manufacturing	10	817,670	2,135,578	7,056,960
Wood kitchen cabinet and countertop manufacturing	84	5,120,218	6,153,271	15,635,222
Upholstered household furniture manufacturing	45	2,488,994	2,701,139	9,347,999
Nonupholstered wood household furniture manufacturing	23	1,305,868	1,444,378	4,105,004
Other household nonupholstered furniture manufacturing	8	548,142	772,493	3,526,023
Institutional furniture manufacturing	6	382,483	400,721	1,249,489
Wood office furniture manufacturing	<1	29,185	34,728	109,180
Custom architectural woodwork and millwork	2	116,335	104,743	303,099
Office furniture, except wood, manufacturing	8	641,393	930,446	3,269,034
Showcase, partition, shelving, and locker manufacturing	6	436,283	544,985	1,655,621
Mattress manufacturing	20	1,257,104	1,929,278	8,600,699
Blind and shade manufacturing	7	446,411	447,013	1,552,499
Surgical and medical instrument manufacturing	16	1,890,184	2,939,224	5,674,448
Surgical appliance and supplies manufacturing	34	3,692,896	6,710,673	14,663,872
Dental equipment and supplies manufacturing	5	463,027	720,022	1,582,650
Ophthalmic goods manufacturing	21	2,032,918	3,523,765	6,932,446
Dental laboratories	40	2,938,536	3,296,015	5,962,972
Jewelry and silverware manufacturing	36	2,307,183	3,945,269	10,234,866
Sporting and athletic goods manufacturing	29	2,585,360	3,597,779	10,552,600
Doll, toy, and game manufacturing	13	1,585,758	2,779,600	6,916,506

## Appendix

Office supplies (except paper) manufacturing	48	3,886,588	5,532,003	16,914,298
Sign manufacturing	28	2,186,336	2,057,146	5,068,648
Gasket, packing, and sealing device manufacturing	11	1,045,920	1,166,555	2,675,212
Musical instrument manufacturing	3	269,508	301,047	690,968
Fasteners, buttons, needles, and pins manufacturing	2	200,659	232,366	543,985
Broom, brush, and mop manufacturing	6	456,283	674,414	1,761,356
Burial casket manufacturing	2	140,938	189,384	476,076
All other miscellaneous manufacturing	37	3,222,991	4,483,346	11,434,494
Wholesale - Motor vehicle and motor vehicle parts and supplies	222	19,393,220	43,285,870	97,037,487
Wholesale - Professional and commercial equipment and supplies	682	100,436,871	159,416,510	266,464,164
Wholesale - Household appliances and electrical and electronic goods	342	42,467,803	103,421,010	217,253,452
Wholesale - Machinery, equipment, and supplies	413	42,784,276	82,056,369	147,672,938
Wholesale - Other durable goods merchant wholesalers	864	83,336,045	155,560,634	314,881,916
Wholesale - Drugs and druggists'sundries	272	45,720,023	112,492,078	244,232,503
Wholesale - Grocery and related product wholesalers	746	63,646,625	96,625,635	194,976,505
Wholesale - Petroleum and petroleum products	111	13,665,165	190,779,235	227,091,145
Wholesale - Other nondurable goods merchant wholesalers	994	94,515,873	222,458,854	413,211,391
Wholesale - Wholesale electronic markets and agents and brokers	464	64,307,502	73,471,818	86,038,260
Retail - Motor vehicle and parts dealers	941	77,298,226	115,127,636	157,210,845
Retail - Furniture and home furnishings stores	663	37,548,792	53,536,942	85,723,220
Retail - Electronics and appliance stores	614	40,202,960	39,556,398	63,796,710
Retail - Building material and garden equipment and supplies stores	898	46,728,461	99,422,934	137,944,923
Retail - Food and beverage stores	2,896	119,536,461	179,766,270	283,297,103
Retail - Health and personal care stores	1,326	67,614,483	90,302,631	134,534,854
Retail - Gasoline stores	922	45,137,597	97,508,784	170,313,810
Retail - Clothing and clothing accessories stores	1,343	49,549,064	90,151,849	176,007,456

## Appendix

Retail - Sporting goods, hobby, musical instrument and book stores	888	32,100,835	44,945,227	71,986,242
Retail - General merchandise stores	2,502	100,698,895	173,759,018	275,823,420
Retail - Miscellaneous store retailers	2,030	69,747,749	76,773,207	122,851,333
Retail - Nonstore retailers	2,364	54,135,319	338,334,721	549,445,836
Air transportation	1,252	164,012,986	347,158,665	670,943,571
Rail transportation	326	44,938,428	109,358,316	210,670,290
Water transportation	163	20,753,869	47,964,230	143,789,292
Truck transportation	5,303	388,060,553	572,470,208	1,218,032,839
Transit and ground passenger transportation	2,211	45,809,235	65,203,775	100,241,623
Pipeline transportation	114	93,342,830	111,265,300	159,881,646
Scenic and sightseeing transportation and support activities for transportation	1,929	176,509,636	152,146,929	228,957,170
Couriers and messengers	3,056	74,652,799	159,398,476	196,216,404
Warehousing and storage	2,079	115,955,045	124,907,222	230,071,834
Newspaper publishers	122	10,943,311	18,497,212	25,924,300
Periodical publishers	96	12,282,016	19,187,766	30,507,648
Book publishers	58	6,943,220	19,883,245	37,670,590
Directory, mailing list, and other publishers	36	4,597,815	10,753,487	17,858,320
Greeting card publishing	3	207,936	721,683	1,198,663
Software publishers	2,367	453,966,772	892,466,548	1,159,343,619
Motion picture and video industries	377	34,904,000	58,540,140	120,389,833
Sound recording industries	31	3,042,389	20,798,287	32,783,593
Radio and television broadcasting	361	106,022,098	139,688,222	274,142,474
Cable and other subscription programming	92	34,758,928	139,428,492	268,948,731
Wired telecommunications carriers	539	58,207,812	145,634,981	263,952,924
Wireless telecommunications carriers (except satellite)	118	12,685,140	110,797,511	266,327,338
Satellite, telecommunications resellers, and all other telecommunications	145	17,961,869	23,484,407	55,995,260
Data processing, hosting, and related services	1,042	167,850,616	341,839,775	793,192,689
News syndicates, libraries, archives and all other information services	98	15,931,330	25,960,822	44,058,514
Internet publishing and broadcasting and web search portals	538	135,829,128	371,856,672	905,512,555

## Appendix

Nondepository credit intermediation and related activities	1,143	149,493,232	159,262,828	237,598,691
Securities and commodity contracts intermediation and brokerage	2,336	195,495,951	153,800,503	302,698,619
Monetary authorities and depository credit intermediation	2,489	290,867,759	885,292,393	1,281,873,537
Other financial investment activities	2,549	210,023,655	235,066,145	523,574,266
Direct life insurance carriers	323	37,174,406	73,332,920	106,664,036
Insurance carriers, except direct life	1,309	134,662,015	403,345,840	858,521,374
Insurance agencies, brokerages, and related activities	1,708	159,619,348	245,964,130	572,358,532
Funds, trusts, and other financial vehicles	874	35,587,824	48,392,613	199,852,023
Other real estate	13,050	436,495,512	1,254,477,763	2,888,781,587
Tenant-occupied housing	1,306	40,940,081	457,072,470	490,019,873
Owner-occupied dwellings	0	0	1,764,321,570	2,129,243,954
Automotive equipment rental and leasing	319	28,454,355	93,744,087	117,100,485
General and consumer goods rental except video tapes and discs	342	25,259,668	44,484,220	63,092,131
Video tape and disc rental	101	6,442,268	11,001,414	17,380,064
Commercial and industrial machinery and equipment rental and leasing	414	45,696,198	126,589,832	158,930,748
Lessors of nonfinancial intangible assets	55	5,635,284	118,200,760	125,258,072
Legal services	3,811	433,892,062	721,767,105	971,545,407
Accounting, tax preparation, bookkeeping, and payroll services	2,156	202,957,694	270,943,390	403,042,620
Architectural, engineering, and related services	3,389	350,937,192	392,065,117	669,731,859
Specialized design services	218	18,618,665	34,578,296	57,432,392
Custom computer programming services	989	123,907,960	127,708,465	170,422,718
Computer systems design services	1,551	190,238,807	183,355,604	229,583,081
Other computer related services, including facilities management	548	70,741,498	98,761,239	168,369,729
Management consulting services	11,368	1,266,855,208	1,312,364,252	2,027,779,067
Environmental and other technical consulting services	861	88,843,580	100,864,677	155,574,947
Scientific research and development services	57,971	7,096,801,720	9,222,727,273	16,230,749,857
Advertising, public relations, and related services	1,242	114,665,640	189,582,323	372,771,784

## Appendix

Photographic services	94	4,610,903	12,519,648	25,927,590
Veterinary services	370	21,991,869	25,427,902	38,686,020
Marketing research and all other miscellaneous professional, scientific, and technical services	3,946	385,403,668	706,059,118	1,368,665,158
Management of companies and enterprises	4,927	736,713,426	830,164,213	1,291,274,900
Office administrative services	1,738	142,206,911	56,282,933	143,763,870
Facilities support services	2,118	119,712,837	159,681,802	385,118,703
Employment services	11,988	647,039,321	874,015,165	1,451,370,170
Business support services	1,525	85,961,494	74,081,057	131,206,650
Travel arrangement and reservation services	406	30,569,224	47,697,369	134,595,207
Investigation and security services	1,885	85,855,221	87,481,526	126,997,594
Services to buildings	2,679	102,938,451	142,436,894	299,455,928
Landscape and horticultural services	1,255	59,594,532	72,421,651	137,147,577
Other support services	534	31,214,618	39,242,048	80,355,575
Waste management and remediation services	480	41,269,000	68,243,598	137,225,506
Elementary and secondary schools	1,208	66,194,974	53,392,711	64,506,504
Junior colleges, colleges, universities, and professional schools	4,018	225,032,150	280,445,560	373,713,864
Other educational services	1,239	63,662,732	70,381,031	131,621,414
Offices of physicians	3,876	437,554,533	439,895,588	631,419,283
Offices of dentists	1,232	89,195,510	106,870,285	144,508,127
Offices of other health practitioners	1,245	75,230,413	113,736,354	144,711,975
Outpatient care centers	1,331	118,172,287	116,777,761	175,561,520
Medical and diagnostic laboratories	452	40,477,240	66,603,115	89,447,362
Home health care services	1,834	89,936,742	89,469,726	116,826,276
Other ambulatory health care services	411	30,137,439	35,569,352	53,256,400
Hospitals	5,329	543,300,663	637,763,521	1,135,366,140
Nursing and community care facilities	1,656	89,378,824	96,157,433	154,088,343
Residential mental retardation, mental health, substance abuse and other facilities	727	40,951,661	42,096,593	61,482,358
Individual and family services	3,586	122,067,918	108,919,966	153,515,626
Child day care services	1,253	45,036,931	68,120,634	88,552,187
Community food, housing, and other relief services, including rehabilitation services	745	32,572,091	30,741,187	64,609,241



## Appendix

Performing arts companies	407	15,351,004	24,663,231	43,823,825
Commercial Sports Except Racing	915	46,800,045	34,718,949	57,153,992
Racing and Track Operation	69	2,819,933	4,985,232	8,592,087
Independent artists, writers, and performers	418	20,464,765	44,720,653	63,914,315
Promoters of performing arts and sports and agents for public figures	586	23,410,035	48,696,340	98,272,772
Museums, historical sites, zoos, and parks	132	7,034,679	8,224,910	14,258,992
Amusement parks and arcades	132	4,807,245	7,704,256	9,379,921
Gambling industries (except casino hotels)	506	23,400,254	73,658,529	96,219,147
Other amusement and recreation industries	740	25,875,667	26,985,424	37,323,805
Fitness and recreational sports centers	586	14,715,707	19,477,540	30,806,322
Bowling centers	80	2,457,020	3,784,515	5,794,467
Hotels and motels, including casino hotels	2,048	101,445,219	204,365,564	292,077,936
Other accommodations	554	31,911,009	38,457,807	48,331,778
Full-service restaurants	6,633	235,861,314	350,419,876	646,812,415
Limited-service restaurants	5,777	168,687,202	264,226,845	596,188,783
All other food and drinking places	4,072	156,695,604	228,025,870	353,936,838
Automotive repair and maintenance, except car washes	2,400	156,852,201	183,312,124	259,930,989
Car washes	1,011	70,756,748	105,760,591	151,751,000
Electronic and precision equipment repair and maintenance	3,999	318,190,081	421,944,924	663,463,661
Commercial and industrial machinery and equipment repair and maintenance	850	67,011,752	76,598,013	117,357,979
Personal and household goods repair and maintenance	360	18,891,830	39,881,738	54,939,126
Personal care services	2,032	57,518,731	35,661,546	45,310,519
Death care services	379	12,189,975	8,769,616	12,527,996
Dry-cleaning and laundry services	917	28,070,339	19,029,831	25,329,227
Other personal services	1,353	42,668,065	55,203,913	79,488,058
Religious organizations	2,110	133,501,104	65,490,340	191,881,983
Grantmaking, giving, and social advocacy organizations	515	39,781,586	120,461,030	165,657,565
Business and professional associations	270	27,967,378	47,580,452	73,778,693
Labor and civic organizations	588	26,298,098	77,740,695	119,058,273
Private households	1,175	23,941,361	23,941,361	23,941,361

## Appendix

Postal service	744	75,687,094	76,090,520	76,118,264
Federal electric utilities	13	2,635,050	6,489,776	16,651,406
Other federal government enterprises	68	4,519,029	7,350,770	18,700,014
State government passenger transit	26	3,201,272	156,698	1,272,378
State government electric utilities	3	494,030	1,213,784	2,203,313
Other state government enterprises	72	8,556,729	12,045,791	23,032,075
Local government passenger transit	264	25,743,960	1,261,044	10,093,597
Local government electric utilities	92	13,389,375	32,896,407	68,197,899
Other local government enterprises	848	88,377,158	133,391,201	356,919,757
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	-3,649	-4,328	-4,328
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	20,854	3,959,514,630	5,215,612,804	9,012,899,010

## Moon to Mars Campaign

**Table 626: Detailed Moon to Mars Campaign Impacts by Types of Impact, United States**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>96,479</i>	<i>8,609,704,329</i>	<i>13,232,782,572</i>	<i>23,800,490,799</i>
Oilseed farming	15	2,399,855	6,764,285	10,258,735
Grain farming	84	4,407,585	7,707,047	27,208,722

## Appendix

Vegetable and melon farming	34	1,724,328	3,540,262	5,834,944
Fruit farming	33	1,497,093	3,197,282	3,990,667
Tree nut farming	4	255,820	546,345	681,917
Greenhouse, nursery, and floriculture production	40	1,625,137	2,927,023	4,867,220
Tobacco farming	2	46,587	75,961	133,797
Cotton farming	4	196,346	326,953	574,271
Sugarcane and sugar beet farming	6	340,897	560,971	987,496
All other crop farming	133	1,460,572	2,407,966	4,230,919
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	139	3,205,685	8,380,122	23,005,842
Dairy cattle and milk production	28	1,514,365	3,470,097	15,231,741
Poultry and egg production	36	1,142,311	2,313,919	21,824,771
Animal production, except cattle and poultry and eggs	118	5,242,665	12,808,761	16,491,890
Forestry, forest products, and timber tract production	5	413,326	476,309	621,372
Commercial logging	22	1,374,116	1,730,837	2,630,875
Commercial fishing	16	407,818	1,039,945	1,077,346
Commercial hunting and trapping	4	87,326	355,143	446,157
Support activities for agriculture and forestry	198	8,824,803	9,051,448	10,081,701
Oil and gas extraction	43	8,361,569	31,708,938	68,043,231
Coal mining	8	983,264	3,131,331	4,726,513
Copper, nickel, lead, and zinc mining	5	646,939	2,695,093	4,323,284
Iron ore mining	1	136,955	303,052	552,940
Gold ore mining	3	366,227	947,850	1,713,836
Silver ore mining	<1	94,956	181,097	333,715
Uranium-radium-vanadium ore mining	2	229,541	749,109	1,339,462
Other metal ore mining	<1	105,842	231,137	422,075
Stone mining and quarrying	8	752,305	3,106,410	4,861,011
Sand and gravel mining	8	768,733	1,490,305	2,550,399
Other clay, ceramic, refractory minerals mining	<1	76,222	167,953	284,994
Potash, soda, and borate mineral mining	<1	59,607	94,183	163,749
Phosphate rock mining	<1	23,494	48,385	82,461
Other chemical and fertilizer mineral mining	<1	38,005	63,031	109,148
Other nonmetallic minerals	2	178,892	341,806	585,544
Drilling oil and gas wells	<1	4,114	12,615	20,848
Support activities for oil and gas operations	<1	59,579	107,435	191,434

## Appendix

Metal mining services	3	633,235	2,226,842	4,714,402
Other nonmetallic minerals services	<1	22,295	78,127	165,937
Electric power generation - Hydroelectric	3	719,018	1,645,986	2,799,728
Electric power generation - Fossil fuel	31	6,948,248	25,044,843	53,967,329
Electric power generation - Nuclear	16	4,083,880	8,930,558	16,853,400
Electric power generation - Solar	4	814,463	1,966,488	3,357,476
Electric power generation - Wind	3	678,220	5,591,865	10,006,867
Electric power generation - Geothermal	<1	107,130	231,755	392,557
Electric power generation - Biomass	<1	167,178	533,296	1,234,194
Electric power generation - All other	1	350,683	90,610	254,855
Electric power transmission and distribution	104	21,377,021	76,070,919	164,727,982
Natural gas distribution	37	8,053,500	27,605,689	51,624,496
Water, sewage and other systems	16	2,070,913	4,401,722	7,315,447
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	1,591	110,996,271	111,601,218	235,573,117
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	297	20,777,093	33,076,146	77,729,561
Maintenance and repair construction of residential structures	143	9,359,500	14,167,670	32,057,371
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	8,696	14,051	32,549

## Appendix

Dog and cat food manufacturing	11	961,056	2,608,658	9,976,732
Other animal food manufacturing	15	1,364,660	2,799,888	20,071,487
Flour milling	4	427,361	918,431	5,582,378
Rice milling	1	87,505	154,751	935,983
Malt manufacturing	<1	34,227	65,045	394,170
Wet corn milling	4	597,967	1,367,770	7,979,968
Soybean and other oilseed processing	3	261,138	1,618,341	15,885,363
Fats and oils refining and blending	2	202,388	546,064	4,937,411
Breakfast cereal manufacturing	4	389,340	997,797	3,489,142
Beet sugar manufacturing	2	158,473	302,277	1,287,234
Sugar cane mills and refining	2	189,660	502,611	2,155,821
Nonchocolate confectionery manufacturing	7	560,521	794,731	3,354,183
Chocolate and confectionery manufacturing from cacao beans	3	246,298	361,785	1,528,780
Confectionery manufacturing from purchased chocolate	9	577,660	882,278	3,733,026
Frozen fruits, juices and vegetables manufacturing	8	637,267	1,210,970	4,873,430
Frozen specialties manufacturing	20	1,426,942	1,945,934	7,751,428
Canned fruits and vegetables manufacturing	15	1,170,511	2,130,713	8,485,479
Canned specialties	3	276,315	648,073	2,596,564
Dehydrated food products manufacturing	3	238,378	414,664	1,649,306
Cheese manufacturing	18	1,433,739	2,075,176	18,129,093
Dry, condensed, and evaporated dairy product manufacturing	4	455,750	1,123,601	5,476,421
Fluid milk manufacturing	14	1,270,358	2,090,163	11,202,526
Creamery butter manufacturing	<1	79,679	265,760	1,446,054
Ice cream and frozen dessert manufacturing	6	418,795	600,022	2,577,693
Frozen cakes and other pastries manufacturing	49	2,153,153	3,347,942	5,848,181
Poultry processing	68	4,056,831	5,190,763	24,927,904
Animal, except poultry, slaughtering	37	2,796,503	3,580,113	27,636,744
Meat processed from carcasses	41	2,966,703	3,032,912	22,910,828
Rendering and meat byproduct processing	3	299,412	347,882	1,762,945
Seafood product preparation and packaging	9	682,157	926,581	4,819,300
Bread and bakery product, except frozen, manufacturing	116	5,716,140	8,573,188	20,312,976
Cookie and cracker manufacturing	12	818,213	1,220,763	4,254,790

Appendix

Dry pasta, mixes, and dough manufacturing	6	505,288	1,163,667	4,103,235
Tortilla manufacturing	6	379,553	503,521	1,747,681
Roasted nuts and peanut butter manufacturing	8	662,493	1,604,186	5,058,082
Other snack food manufacturing	18	1,404,899	3,421,925	11,662,821
Coffee and tea manufacturing	6	422,497	788,479	3,932,174
Flavoring syrup and concentrate manufacturing	4	469,754	3,281,262	7,371,508
Mayonnaise, dressing, and sauce manufacturing	6	458,141	846,255	3,476,818
Spice and extract manufacturing	8	724,164	1,184,496	4,849,695
All other food manufacturing	30	2,062,330	2,921,945	13,133,697
Bottled and canned soft drinks & water	31	2,770,297	4,994,741	21,048,053
Manufactured ice	2	153,288	109,788	446,303
Breweries	34	2,168,656	4,774,878	12,126,984
Wineries	26	1,839,047	3,290,308	9,887,929
Distilleries	8	768,486	3,418,935	7,287,445
Tobacco product manufacturing	3	347,337	8,540,590	13,078,787
Fiber, yarn, and thread mills	4	230,743	292,649	1,456,834
Broadwoven fabric mills	4	266,072	358,934	1,275,809
Narrow fabric mills and schiffli machine embroidery	<1	52,859	57,869	179,112
Nonwoven fabric mills	3	220,094	371,788	1,469,619
Knit fabric mills	<1	43,128	55,102	189,769
Textile and fabric finishing mills	5	340,678	437,337	1,779,349
Fabric coating mills	1	109,510	132,608	520,004
Carpet and rug mills	5	330,872	475,841	1,892,210
Curtain and linen mills	4	228,785	284,525	951,307
Textile bag and canvas mills	7	429,420	544,065	1,631,304
Rope, cordage, twine, tire cord and tire fabric mills	2	137,217	184,910	574,796
Other textile product mills	13	675,636	796,372	2,277,957
Hosiery and sock mills	3	116,352	149,130	312,552
Other apparel knitting mills	2	78,151	108,435	236,249
Cut and sew apparel contractors	12	495,335	547,220	1,053,730
Mens and boys cut and sew apparel manufacturing	10	512,934	584,287	1,294,171
Womens and girls cut and sew apparel manufacturing	9	483,035	629,097	2,018,441
Other cut and sew apparel manufacturing	6	261,140	321,966	808,434
Apparel accessories and other apparel manufacturing	7	298,046	363,262	912,880
Leather and hide tanning and finishing	<1	29,571	36,476	155,758

## Appendix

Footwear manufacturing	4	240,309	254,760	685,364
Other leather and allied product manufacturing	3	181,545	195,030	553,542
Sawmills	21	1,559,946	3,039,826	10,832,477
Wood preservation	3	194,501	615,442	2,211,462
Veneer and plywood manufacturing	6	487,799	844,250	2,651,182
Engineered wood member and truss manufacturing	9	701,099	1,208,559	3,794,840
Reconstituted wood product manufacturing	3	291,957	986,979	3,136,535
Wood windows and door manufacturing	23	1,735,152	2,410,012	6,936,142
Cut stock, resawing lumber, and planing	4	228,688	492,039	1,431,565
Other millwork, including flooring	12	778,721	1,298,384	3,756,026
Wood container and pallet manufacturing	12	788,734	1,121,706	3,174,586
Manufactured home (mobile home) manufacturing	<1	5,440	8,072	22,872
Prefabricated wood building manufacturing	4	277,421	501,492	1,428,386
All other miscellaneous wood product manufacturing	7	450,666	666,211	1,887,623
Pulp mills	<1	13,166	20,750	75,456
Paper mills	13	1,644,732	3,586,248	11,501,049
Paperboard mills	11	1,402,397	3,046,693	10,289,454
Paperboard container manufacturing	46	4,512,551	6,579,850	27,069,964
Paper bag and coated and treated paper manufacturing	14	1,336,063	2,013,103	6,820,929
Stationery product manufacturing	2	174,970	221,858	875,153
Sanitary paper product manufacturing	7	816,622	2,403,966	7,088,810
All other converted paper product manufacturing	4	339,164	553,863	1,749,560
Printing	180	11,509,489	16,919,834	35,236,092
Support activities for printing	9	623,348	912,090	1,426,304
Petroleum refineries	13	4,262,325	33,541,504	163,536,339
Asphalt paving mixture and block manufacturing	2	316,683	457,338	1,948,277
Asphalt shingle and coating materials manufacturing	2	332,444	1,139,490	2,721,932
Petroleum lubricating oil and grease manufacturing	30	5,686,492	15,010,079	40,746,686
All other petroleum and coal products manufacturing	1	217,135	585,208	1,587,474
Petrochemical manufacturing	6	1,229,423	13,414,049	45,911,522

## Appendix

Industrial gas manufacturing	5	935,241	3,029,306	7,609,080
Synthetic dye and pigment manufacturing	2	267,403	598,397	1,558,732
Other basic inorganic chemical manufacturing	6	876,235	2,207,857	5,583,486
Other basic organic chemical manufacturing	12	1,788,997	4,745,922	24,709,686
Plastics material and resin manufacturing	11	1,728,538	3,348,530	18,052,477
Synthetic rubber manufacturing	1	169,372	251,134	1,062,749
Artificial and synthetic fibers and filaments manufacturing	6	753,890	1,069,002	4,496,401
Nitrogenous fertilizer manufacturing	2	300,505	1,348,289	3,995,422
Phosphatic fertilizer manufacturing	<1	140,804	440,367	1,282,130
Fertilizer mixing	1	136,780	335,752	961,799
Pesticide and other agricultural chemical manufacturing	3	479,835	1,851,538	6,049,367
Medicinal and botanical manufacturing	10	1,722,711	3,776,034	7,836,825
Pharmaceutical preparation manufacturing	54	9,989,476	38,760,898	72,761,342
In-vitro diagnostic substance manufacturing	4	708,572	1,386,683	2,679,932
Biological product (except diagnostic) manufacturing	7	1,085,156	4,280,702	7,192,247
Paint and coating manufacturing	9	1,069,256	2,616,233	8,468,865
Adhesive manufacturing	5	594,164	1,197,325	3,796,170
Soap and other detergent manufacturing	8	1,152,050	4,218,613	10,765,913
Polish and other sanitation good manufacturing	9	977,394	2,008,226	4,925,532
Surface active agent manufacturing	<1	82,493	336,561	863,283
Toilet preparation manufacturing	16	1,552,430	6,669,736	14,606,481
Printing ink manufacturing	3	292,932	340,745	1,357,183
Explosives manufacturing	<1	94,523	112,573	348,072
Custom compounding of purchased resins	6	586,025	1,213,553	4,024,274
Photographic film and chemical manufacturing	4	443,624	972,237	3,240,296
Other miscellaneous chemical product manufacturing	10	1,255,079	2,367,882	7,782,026
Plastics packaging materials and unlaminated film and sheet manufacturing	21	1,762,848	2,679,041	10,800,889
Unlaminated plastics profile shape manufacturing	7	622,132	1,239,107	4,253,225



## Appendix

Plastics pipe and pipe fitting manufacturing	8	703,070	1,781,875	6,397,501
Laminated plastics plate, sheet (except packaging), and shape manufacturing	5	419,843	657,970	1,908,137
Polystyrene foam product manufacturing	10	739,625	1,236,535	4,779,532
Urethane and other foam product (except polystyrene) manufacturing	11	813,241	1,287,171	5,291,293
Plastics bottle manufacturing	11	864,951	1,281,663	5,380,068
Other plastics product manufacturing	93	7,150,850	10,063,690	32,944,249
Tire manufacturing	12	1,074,468	1,340,597	5,008,827
Rubber and plastics hoses and belting manufacturing	4	279,168	417,674	1,290,552
Other rubber product manufacturing	25	1,907,602	2,350,099	7,997,619
Pottery, ceramics, and plumbing fixture manufacturing	3	224,714	354,387	777,134
Brick, tile, and other structural clay product manufacturing	5	385,192	691,927	1,534,730
Flat glass manufacturing	3	252,399	499,736	1,213,835
Other pressed and blown glass and glassware manufacturing	7	586,684	960,928	2,298,240
Glass container manufacturing	4	401,311	637,505	1,520,441
Glass product manufacturing made of purchased glass	14	1,074,036	1,974,919	4,769,929
Cement manufacturing	4	395,825	968,054	2,474,988
Ready-mix concrete manufacturing	25	2,212,027	3,833,092	11,779,454
Concrete block and brick manufacturing	8	693,117	1,306,135	3,153,193
Concrete pipe manufacturing	6	560,852	1,004,740	2,415,830
Other concrete product manufacturing	24	1,959,802	3,077,280	7,316,662
Lime manufacturing	1	106,728	265,632	652,652
Gypsum product manufacturing	7	700,974	2,117,612	5,255,695
Abrasive product manufacturing	2	150,149	339,423	588,631
Cut stone and stone product manufacturing	7	491,295	661,165	1,463,037
Ground or treated mineral and earth manufacturing	2	170,723	431,195	928,311
Mineral wool manufacturing	2	232,662	658,512	1,477,085
Miscellaneous nonmetallic mineral products manufacturing	4	380,407	934,832	2,009,168
Iron and steel mills and ferroalloy manufacturing	16	2,141,055	5,981,764	32,050,780

## Appendix

Iron, steel pipe and tube manufacturing from purchased steel	5	467,801	1,110,594	4,153,077
Rolled steel shape manufacturing	4	394,226	1,391,203	5,310,251
Steel wire drawing	2	158,534	356,022	1,326,529
Alumina refining and primary aluminum production	2	178,545	309,057	1,393,925
Secondary smelting and alloying of aluminum	1	101,035	234,122	1,922,042
Aluminum sheet, plate, and foil manufacturing	3	336,517	737,782	3,385,060
Other aluminum rolling, drawing and extruding	5	405,845	646,259	2,888,105
Nonferrous metal (exc aluminum) smelting and refining	<1	32,319	242,054	689,171
Copper rolling, drawing, extruding and alloying	5	426,887	966,438	7,674,842
Nonferrous metal, except copper and aluminum, shaping	3	249,578	314,990	1,287,056
Secondary processing of other nonferrous metals	<1	30,362	70,938	306,673
Ferrous metal foundries	8	700,990	1,299,885	2,960,814
Nonferrous metal foundries	9	654,074	909,378	2,335,994
Custom roll forming	1	95,248	132,557	672,652
Crown and closure manufacturing and metal stamping	10	739,174	945,041	2,951,240
Iron and steel forging	7	588,936	787,409	2,777,660
Nonferrous forging	3	246,371	314,024	1,075,816
Cutlery, utensil, pot, and pan manufacturing	2	226,487	478,842	1,367,564
Handtool manufacturing	5	428,866	662,983	1,680,413
Prefabricated metal buildings and components manufacturing	14	1,181,067	1,753,798	6,315,094
Fabricated structural metal manufacturing	30	2,615,640	3,822,295	13,652,049
Plate work manufacturing	14	1,169,350	1,327,160	4,040,982
Metal window and door manufacturing	16	1,161,760	1,589,083	4,808,401
Sheet metal work manufacturing	18	1,350,487	1,802,492	5,377,271
Ornamental and architectural metal work manufacturing	14	1,058,592	1,281,971	3,593,839
Power boiler and heat exchanger manufacturing	<1	55,225	74,238	207,223
Metal tank (heavy gauge) manufacturing	3	300,486	367,588	1,136,635
Metal cans manufacturing	6	557,831	1,032,553	5,266,414
Metal barrels, drums and pails manufacturing	2	161,877	208,409	892,899
Hardware manufacturing	5	452,187	665,309	2,213,907

## Appendix

Spring and wire product manufacturing	10	804,640	1,038,414	3,357,611
Machine shops	71	5,501,159	6,441,534	13,917,824
Turned product and screw, nut, and bolt manufacturing	12	1,030,468	1,298,830	3,616,036
Metal heat treating	5	431,085	551,168	1,422,165
Metal coating and nonprecious engraving	15	1,098,538	1,874,631	5,604,488
Electroplating, anodizing, and coloring metal	15	1,046,209	1,137,244	2,607,259
Valve and fittings, other than plumbing, manufacturing	24	2,314,596	3,342,760	9,797,547
Plumbing fixture fitting and trim manufacturing	3	269,408	618,808	2,288,286
Ball and roller bearing manufacturing	3	247,310	388,158	1,074,118
Small arms ammunition manufacturing	3	206,967	437,667	1,230,815
Ammunition, except for small arms, manufacturing	<1	59,016	65,017	131,398
Small arms, ordnance, and accessories manufacturing	12	1,104,764	2,155,810	5,907,369
Fabricated pipe and pipe fitting manufacturing	4	302,729	375,200	1,063,343
Other fabricated metal manufacturing	18	1,468,575	1,912,744	5,527,304
Farm machinery and equipment manufacturing	1	92,129	179,181	737,139
Lawn and garden equipment manufacturing	<1	35,344	58,903	293,469
Construction machinery manufacturing	<1	35,905	83,124	268,473
Mining machinery and equipment manufacturing	<1	7,530	11,403	31,950
Oil and gas field machinery and equipment manufacturing	<1	33,989	45,509	122,922
Semiconductor machinery manufacturing	<1	34,360	43,156	105,680
Food product machinery manufacturing	<1	7,315	8,625	25,975
Sawmill, woodworking, and paper machinery	<1	17,612	19,923	59,030
Printing machinery and equipment manufacturing	<1	9,981	11,333	33,629
All other industrial machinery manufacturing	<1	78,532	105,081	268,590
Optical instrument and lens manufacturing	21	2,480,356	3,735,551	8,494,192
Photographic and photocopying equipment manufacturing	<1	15,193	19,324	54,551

## Appendix

Other commercial service industry machinery manufacturing	3	317,350	553,484	1,511,125
Air purification and ventilation equipment manufacturing	2	137,874	186,644	509,645
Heating equipment (except warm air furnaces) manufacturing	3	259,675	427,802	1,173,031
Air conditioning, refrigeration, and warm air heating equipment manufacturing	8	676,606	1,242,812	3,754,022
Industrial mold manufacturing	<1	69,852	86,164	189,003
Special tool, die, jig, and fixture manufacturing	<1	56,419	76,913	147,808
Cutting tool and machine tool accessory manufacturing	<1	62,230	74,451	179,983
Machine tool manufacturing	<1	39,669	52,058	150,662
Rolling mill and other metalworking machinery manufacturing	<1	21,600	29,157	73,498
Turbine and turbine generator set units manufacturing	<1	33,113	37,187	105,937
Speed changer, industrial high-speed drive, and gear manufacturing	2	144,505	219,328	563,881
Mechanical power transmission equipment manufacturing	2	154,355	239,965	571,343
Other engine equipment manufacturing	4	436,408	919,143	3,962,039
Pump and pumping equipment manufacturing	<1	54,089	99,885	283,957
Air and gas compressor manufacturing	<1	19,794	28,021	79,433
Elevator and moving stairway manufacturing	<1	7,393	10,128	31,327
Conveyor and conveying equipment manufacturing	<1	25,026	28,266	81,599
Overhead cranes, hoists, and monorail systems manufacturing	<1	23,915	45,153	151,670
Industrial truck, trailer, and stacker manufacturing	<1	39,489	69,955	231,748
Power-driven handtool manufacturing	<1	55,034	148,507	401,944
Welding and soldering equipment manufacturing	<1	44,290	71,551	212,035
Packaging machinery manufacturing	<1	67,963	107,845	277,852
Industrial process furnace and oven manufacturing	<1	14,176	17,796	42,147
Fluid power cylinder and actuator manufacturing	2	137,119	194,306	497,019

## Appendix

Fluid power pump and motor manufacturing	1	162,353	290,957	790,930
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	44,970	57,119	157,595
Electronic computer manufacturing	5	1,591,345	2,328,030	5,125,773
Computer storage device manufacturing	<1	185,467	301,808	936,499
Computer terminals and other computer peripheral equipment manufacturing	4	651,761	952,610	2,394,048
Telephone apparatus manufacturing	1	176,748	274,074	697,899
Broadcast and wireless communications equipment manufacturing	7	1,041,328	1,444,686	3,497,240
Other communications equipment manufacturing	2	240,560	383,133	1,087,752
Audio and video equipment manufacturing	2	321,608	598,560	1,931,861
Printed circuit assembly (electronic assembly) manufacturing	13	1,068,859	1,742,092	6,639,900
Bare printed circuit board manufacturing	6	554,670	685,050	1,692,368
Semiconductor and related device manufacturing	43	9,631,604	16,209,177	39,911,019
Capacitor, resistor, coil, transformer, and other inductor manufacturing	3	228,595	300,593	802,293
Electronic connector manufacturing	17	1,681,935	2,369,005	6,805,967
Other electronic component manufacturing	12	1,208,653	1,533,237	3,920,067
Electromedical and electrotherapeutic apparatus manufacturing	1	149,854	253,102	586,967
Search, detection, and navigation instruments manufacturing	53	7,950,604	13,146,154	30,488,200
Automatic environmental control manufacturing	5	515,206	675,764	1,577,480
Industrial process variable instruments manufacturing	2	192,666	280,465	700,681
Totalizing fluid meter and counting device manufacturing	<1	80,460	153,347	377,787
Electricity and signal testing instruments manufacturing	3	387,370	483,166	1,174,593
Analytical laboratory instrument manufacturing	11	1,512,807	2,303,839	5,388,274
Irradiation apparatus manufacturing	<1	8,687	17,054	51,036

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	3	455,993	678,006	1,479,300
Blank magnetic and optical recording media manufacturing	2	312,033	953,193	3,256,382
Software and other prerecorded and record reproducing	4	583,505	808,202	1,765,353
Electric lamp bulb and part manufacturing	1	138,751	192,526	515,923
Lighting fixture manufacturing	9	927,250	1,126,895	3,825,184
Small electrical appliance manufacturing	2	188,137	341,708	1,233,274
Household cooking appliance manufacturing	1	98,498	209,953	766,591
Household refrigerator and home freezer manufacturing	1	120,912	241,250	819,334
Household laundry equipment manufacturing	4	369,544	572,696	2,370,832
Other major household appliance manufacturing	<1	55,787	127,747	391,657
Power, distribution, and specialty transformer manufacturing	<1	60,377	76,811	221,153
Motor and generator manufacturing	2	203,872	302,604	999,307
Switchgear and switchboard apparatus manufacturing	3	371,891	560,546	1,757,176
Relay and industrial control manufacturing	3	303,009	377,976	993,886
Storage battery manufacturing	7	734,897	994,842	3,041,172
Primary battery manufacturing	1	145,098	202,389	575,705
Fiber optic cable manufacturing	6	647,588	848,252	3,432,936
Other communication and energy wire manufacturing	2	173,598	263,828	1,191,963
Wiring device manufacturing	6	653,688	1,045,669	3,007,775
Carbon and graphite product manufacturing	11	1,133,179	1,550,237	4,937,560
All other miscellaneous electrical equipment and component manufacturing	6	663,622	730,163	1,985,911
Automobile manufacturing	19	2,439,083	6,100,027	28,236,799
Light truck and utility vehicle manufacturing	5	470,686	1,173,689	7,817,436
Heavy duty truck manufacturing	<1	40,693	66,935	404,376
Motor vehicle body manufacturing	<1	71,711	88,140	339,676
Truck trailer manufacturing	<1	5,641	7,275	30,173
Motor home manufacturing	6	519,732	797,609	3,487,651
Travel trailer and camper manufacturing	13	1,067,244	1,278,856	5,881,827

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	8	772,925	1,100,904	5,782,447
Motor vehicle electrical and electronic equipment manufacturing	14	1,219,124	1,560,140	7,221,251
Motor vehicle transmission and power train parts manufacturing	15	1,388,570	1,947,789	9,365,332
Motor vehicle seating and interior trim manufacturing	7	531,767	618,814	3,332,974
Motor vehicle metal stamping	13	1,133,023	1,380,043	5,539,738
Other motor vehicle parts manufacturing	27	2,138,601	2,839,720	13,787,681
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	8	687,981	944,584	4,368,623
Aircraft manufacturing	291	42,920,217	80,410,239	172,864,411
Aircraft engine and engine parts manufacturing	49	6,442,363	15,396,442	30,118,180
Other aircraft parts and auxiliary equipment manufacturing	100	10,820,575	15,855,403	30,866,258
Guided missile and space vehicle manufacturing	131	23,904,044	41,422,799	76,876,053
Propulsion units and parts for space vehicles and guided missiles manufacturing	27	3,597,512	5,296,410	9,472,672
Railroad rolling stock manufacturing	<1	15,071	16,874	63,740
Ship building and repairing	1	107,999	166,705	343,811
Boat building	10	700,748	1,135,519	3,420,381
Motorcycle, bicycle, and parts manufacturing	3	243,449	1,067,513	2,055,652
Military armored vehicle, tank, and tank component manufacturing	12	1,288,485	3,139,085	7,146,731
All other transportation equipment manufacturing	3	256,982	671,182	2,217,903
Wood kitchen cabinet and countertop manufacturing	27	1,628,512	1,957,081	4,972,865
Upholstered household furniture manufacturing	14	776,615	842,808	2,916,759
Nonupholstered wood household furniture manufacturing	7	407,651	450,889	1,281,453
Other household nonupholstered furniture manufacturing	3	171,565	241,786	1,103,626
Institutional furniture manufacturing	<1	55,354	57,993	180,828
Wood office furniture manufacturing	<1	11,662	13,877	43,626
Custom architectural woodwork and millwork	<1	41,139	37,040	107,184

## Appendix

Office furniture, except wood, manufacturing	<1	32,685	47,415	166,589
Showcase, partition, shelving, and locker manufacturing	2	144,489	180,490	548,313
Mattress manufacturing	6	392,916	603,008	2,688,203
Blind and shade manufacturing	2	139,074	139,261	483,662
Surgical and medical instrument manufacturing	5	592,683	921,618	1,779,271
Surgical appliance and supplies manufacturing	11	1,174,734	2,134,707	4,664,670
Dental equipment and supplies manufacturing	<1	74,924	116,509	256,093
Ophthalmic goods manufacturing	6	634,661	1,100,092	2,164,255
Dental laboratories	13	916,359	1,027,836	1,859,505
Jewelry and silverware manufacturing	11	720,051	1,231,283	3,194,210
Sporting and athletic goods manufacturing	9	806,095	1,121,759	3,290,217
Doll, toy, and game manufacturing	4	494,351	866,524	2,156,180
Office supplies (except paper) manufacturing	22	1,808,519	2,574,168	7,870,613
Sign manufacturing	9	715,885	673,584	1,659,658
Gasket, packing, and sealing device manufacturing	4	354,048	394,884	905,570
Musical instrument manufacturing	1	84,198	94,051	215,867
Fasteners, buttons, needles, and pins manufacturing	<1	62,617	72,512	169,755
Broom, brush, and mop manufacturing	2	140,394	207,510	541,951
Burial casket manufacturing	<1	43,966	59,079	148,514
All other miscellaneous manufacturing	14	1,258,607	1,750,787	4,465,273
Wholesale - Motor vehicle and motor vehicle parts and supplies	68	5,975,452	13,337,272	29,899,256
Wholesale - Professional and commercial equipment and supplies	201	29,566,385	46,928,681	78,441,133
Wholesale - Household appliances and electrical and electronic goods	105	12,975,669	31,599,394	66,379,911
Wholesale - Machinery, equipment, and supplies	146	15,068,861	28,900,712	52,011,235
Wholesale - Other durable goods merchant wholesalers	282	27,237,788	50,843,877	102,916,895
Wholesale - Drugs and druggists' sundries	86	14,481,598	35,631,326	77,359,473
Wholesale - Grocery and related product wholesalers	233	19,889,774	30,195,821	60,930,782



## Appendix

Wholesale - Petroleum and petroleum products	28	3,454,485	48,228,028	57,407,495
Wholesale - Other nondurable goods merchant wholesalers	314	29,819,628	70,185,461	130,367,623
Wholesale - Wholesale electronic markets and agents and brokers	142	19,719,289	22,529,440	26,382,820
Retail - Motor vehicle and parts dealers	293	24,058,291	35,832,313	48,930,286
Retail - Furniture and home furnishings stores	207	11,721,177	16,712,015	26,759,238
Retail - Electronics and appliance stores	192	12,551,577	12,349,717	19,917,671
Retail - Building material and garden equipment and supplies stores	294	15,279,466	32,509,724	45,105,804
Retail - Food and beverage stores	900	37,139,261	55,852,301	88,018,710
Retail - Health and personal care stores	414	21,092,195	28,169,714	41,967,863
Retail - Gasoline stores	245	11,988,744	25,898,762	45,236,097
Retail - Clothing and clothing accessories stores	419	15,471,266	28,149,133	54,956,802
Retail - Sporting goods, hobby, musical instrument and book stores	277	10,020,114	14,029,426	22,470,142
Retail - General merchandise stores	777	31,261,322	53,942,366	85,627,602
Retail - Miscellaneous store retailers	634	21,774,797	23,968,099	38,353,392
Retail - Nonstore retailers	730	16,706,559	104,412,594	169,563,043
Air transportation	164	21,524,907	45,560,770	88,053,991
Rail transportation	36	5,003,539	12,176,184	23,456,471
Water transportation	24	3,057,781	7,066,831	21,185,260
Truck transportation	634	46,433,344	68,498,862	145,743,590
Transit and ground passenger transportation	674	13,958,272	19,867,873	30,544,057
Pipeline transportation	11	8,901,528	10,610,684	15,246,924
Scenic and sightseeing transportation and support activities for transportation	491	44,882,328	38,687,454	58,218,526
Couriers and messengers	816	19,942,244	42,580,632	52,415,924
Warehousing and storage	600	33,478,563	36,063,237	66,426,384
Newspaper publishers	40	3,550,706	6,001,671	8,411,490
Periodical publishers	31	4,015,497	6,273,271	9,974,207
Book publishers	19	2,268,995	6,497,704	12,310,482
Directory, mailing list, and other publishers	12	1,487,008	3,477,852	5,775,669
Greeting card publishing	<1	64,850	225,073	373,830
Software publishers	382	73,358,480	144,217,581	187,343,417

## Appendix

Motion picture and video industries	120	11,118,295	18,647,334	38,348,890
Sound recording industries	10	962,728	6,581,374	10,373,984
Radio and television broadcasting	117	34,330,597	45,231,891	88,768,992
Cable and other subscription programming	30	11,154,328	44,743,356	86,307,099
Wired telecommunications carriers	171	18,467,089	46,204,351	83,742,061
Wireless telecommunications carriers (except satellite)	37	3,963,394	34,618,004	83,212,346
Satellite, telecommunications resellers, and all other telecommunications	39	4,841,258	6,329,746	15,092,388
Data processing, hosting, and related services	254	40,906,398	83,308,803	193,306,742
News syndicates, libraries, archives and all other information services	32	5,115,464	8,335,880	14,146,952
Internet publishing and broadcasting and web search portals	190	47,940,864	131,246,738	319,600,475
Nondepository credit intermediation and related activities	352	46,007,266	49,013,906	73,122,147
Securities and commodity contracts intermediation and brokerage	713	59,624,969	46,908,134	92,321,072
Monetary authorities and depository credit intermediation	803	93,799,980	285,491,969	413,382,746
Other financial investment activities	794	65,461,542	73,266,948	163,191,039
Direct life insurance carriers	101	11,597,365	22,877,800	33,276,166
Insurance carriers, except direct life	407	41,899,310	125,498,733	267,123,977
Insurance agencies, brokerages, and related activities	530	49,518,030	76,304,403	177,560,346
Funds, trusts, and other financial vehicles	273	11,099,273	15,092,882	62,330,648
Other real estate	4,631	154,899,191	445,176,607	1,025,142,113
Tenant-occupied housing	407	12,758,948	142,446,322	152,714,358
Owner-occupied dwellings	0	0	550,440,868	664,290,971
Automotive equipment rental and leasing	98	8,726,347	28,749,323	35,912,235
General and consumer goods rental except video tapes and discs	101	7,469,079	13,153,624	18,655,833
Video tape and disc rental	32	2,008,241	3,429,459	5,417,869
Commercial and industrial machinery and equipment rental and leasing	106	11,647,856	32,267,459	40,511,085

## Appendix

Lessors of nonfinancial intangible assets	18	1,849,595	38,795,484	41,111,813
Legal services	1,410	160,490,649	266,971,630	359,361,155
Accounting, tax preparation, bookkeeping, and payroll services	674	63,444,766	84,697,159	125,991,503
Architectural, engineering, and related services	1,061	109,860,051	122,735,050	209,657,961
Specialized design services	67	5,718,807	10,620,880	17,640,619
Custom computer programming services	282	35,389,009	36,474,461	48,673,960
Computer systems design services	322	39,525,939	38,095,815	47,700,503
Other computer related services, including facilities management	129	16,668,919	23,271,250	39,673,197
Management consulting services	2,197	244,875,494	253,672,118	391,957,500
Environmental and other technical consulting services	258	26,597,433	30,196,233	46,575,050
Scientific research and development services	24,462	2,994,582,656	3,891,643,056	6,848,764,265
Advertising, public relations, and related services	407	37,603,488	62,171,689	122,246,901
Photographic services	30	1,490,569	4,047,232	8,381,624
Veterinary services	117	6,953,668	8,040,116	12,232,236
Marketing research and all other miscellaneous professional, scientific, and technical services	1,732	169,154,063	309,890,068	600,708,535
Management of companies and enterprises	1,672	249,932,357	281,635,832	438,069,089
Office administrative services	576	47,143,982	18,658,739	47,660,140
Facilities support services	715	40,406,682	53,897,409	129,989,141
Employment services	4,024	217,198,950	293,390,478	487,197,711
Business support services	496	27,926,726	24,067,071	42,625,739
Travel arrangement and reservation services	122	9,203,802	14,360,754	40,524,011
Investigation and security services	530	24,156,610	24,614,194	35,732,612
Services to buildings	758	29,103,451	40,270,716	84,664,192
Landscape and horticultural services	413	19,617,191	23,839,592	45,145,923
Other support services	168	9,840,876	12,371,644	25,333,300
Waste management and remediation services	154	13,244,397	21,901,313	44,039,570
Elementary and secondary schools	377	20,661,887	16,665,830	20,134,853
Junior colleges, colleges, universities, and professional schools	861	48,236,733	60,114,866	80,107,380
Other educational services	316	16,206,265	17,916,504	33,506,125
Offices of physicians	1,209	136,452,663	137,182,728	196,909,953

## Appendix

Offices of dentists	384	27,819,472	33,332,114	45,071,100
Offices of other health practitioners	388	23,471,722	35,485,490	45,149,815
Outpatient care centers	415	36,864,544	36,429,514	54,767,455
Medical and diagnostic laboratories	130	11,599,982	19,087,146	25,633,858
Home health care services	572	28,062,839	27,917,116	36,453,143
Other ambulatory health care services	128	9,401,075	11,095,507	16,612,806
Hospitals	1,662	169,451,738	198,914,053	354,112,886
Nursing and community care facilities	517	27,872,750	29,986,657	48,052,388
Residential mental retardation, mental health, substance abuse and other facilities	227	12,772,361	13,129,453	19,175,654
Individual and family services	1,119	38,085,893	33,983,656	47,897,758
Child day care services	391	14,055,671	21,259,913	27,636,440
Community food, housing, and other relief services, including rehabilitation services	232	10,162,682	9,591,429	20,158,459
Performing arts companies	127	4,794,015	7,702,161	13,685,885
Commercial Sports Except Racing	290	14,827,057	10,999,558	18,107,365
Racing and Track Operation	22	880,289	1,556,224	2,682,164
Independent artists, writers, and performers	135	6,607,241	14,438,482	20,635,336
Promoters of performing arts and sports and agents for public figures	185	7,393,128	15,378,801	31,035,544
Museums, historical sites, zoos, and parks	41	2,197,999	2,569,889	4,455,250
Amusement parks and arcades	41	1,501,100	2,405,715	2,928,954
Gambling industries (except casino hotels)	158	7,297,943	22,972,220	30,008,302
Other amusement and recreation industries	232	8,097,826	8,445,126	11,680,536
Fitness and recreational sports centers	183	4,601,247	6,090,158	9,632,395
Bowling centers	25	766,608	1,180,796	1,807,916
Hotels and motels, including casino hotels	641	31,739,278	63,940,081	91,382,748
Other accommodations	173	9,957,073	11,999,846	15,080,784
Full-service restaurants	2,087	74,200,130	110,239,361	203,482,142
Limited-service restaurants	1,808	52,784,961	82,680,864	186,557,137
All other food and drinking places	1,236	47,578,537	69,237,023	107,468,215
Automotive repair and maintenance, except car washes	689	44,998,216	52,589,116	74,569,759
Car washes	317	22,155,197	33,115,523	47,515,939

## Appendix

Electronic and precision equipment repair and maintenance	317	25,218,700	33,441,968	52,583,950
Commercial and industrial machinery and equipment repair and maintenance	351	27,641,463	31,595,669	48,408,618
Personal and household goods repair and maintenance	115	6,048,767	12,769,294	17,590,353
Personal care services	634	17,943,026	11,124,656	14,134,662
Death care services	118	3,801,629	2,734,939	3,907,046
Dry-cleaning and laundry services	278	8,500,923	5,763,063	7,670,794
Other personal services	434	13,681,261	17,700,806	25,487,373
Religious organizations	658	41,652,513	20,433,069	59,867,421
Grantmaking, giving, and social advocacy organizations	148	11,453,609	34,682,215	47,694,855
Business and professional associations	87	8,947,541	15,222,309	23,603,854
Labor and civic organizations	184	8,204,985	24,255,032	37,146,081
Private households	367	7,471,931	7,471,931	7,471,931
Postal service	212	21,609,034	21,724,214	21,732,135
Federal electric utilities	4	816,558	2,011,073	5,159,992
Other federal government enterprises	21	1,421,090	2,311,581	5,880,553
State government passenger transit	8	975,464	47,748	387,708
State government electric utilities	1	147,853	363,260	659,405
Other state government enterprises	22	2,672,471	3,762,188	7,193,466
Local government passenger transit	80	7,844,477	384,254	3,075,634
Local government electric utilities	28	4,066,305	9,990,521	20,711,457
Other local government enterprises	267	27,888,491	42,093,221	112,630,384
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0

## Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	4,387	5,202	5,202
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4,065	758,469,427	1,029,276,108	1,828,032,457

## Investments in Climate Change Research and Technology

**Table 627: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, United States**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>32,900</i>	<i>2,949,177,039</i>	<i>4,494,217,547</i>	<i>7,949,993,636</i>
Oilseed farming	5	787,595	2,219,934	3,366,759
Grain farming	28	1,458,761	2,550,771	9,005,163
Vegetable and melon farming	12	593,222	1,217,959	2,007,400
Fruit farming	11	515,550	1,101,039	1,374,255
Tree nut farming	2	87,689	187,273	233,744
Greenhouse, nursery, and floriculture production	14	550,437	991,389	1,648,537
Tobacco farming	<1	15,783	25,735	45,329
Cotton farming	2	69,828	116,276	204,232
Sugarcane and sugar beet farming	2	116,877	192,329	338,563
All other crop farming	45	497,091	819,527	1,439,951
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	47	1,078,510	2,819,382	7,740,013
Dairy cattle and milk production	10	527,953	1,209,779	5,310,237
Poultry and egg production	12	391,701	793,449	7,483,772
Animal production, except cattle and poultry and eggs	36	1,603,853	3,918,498	5,045,253
Forestry, forest products, and timber tract production	2	136,861	157,716	205,749
Commercial logging	7	450,457	567,396	862,442
Commercial fishing	6	141,990	362,077	375,099
Commercial hunting and trapping	1	29,210	118,794	149,238
Support activities for agriculture and forestry	61	2,703,108	2,772,531	3,088,106
Oil and gas extraction	14	2,794,691	10,598,094	22,742,123
Coal mining	3	338,396	1,077,667	1,626,659
Copper, nickel, lead, and zinc mining	2	215,010	895,712	1,436,840
Iron ore mining	<1	42,187	93,352	170,327

## Appendix

Gold ore mining	<1	116,257	300,891	544,050
Silver ore mining	<1	27,734	52,892	97,467
Uranium-radium-vanadium ore mining	<1	55,922	182,500	326,324
Other metal ore mining	<1	31,328	68,414	124,929
Stone mining and quarrying	3	238,629	985,345	1,541,899
Sand and gravel mining	3	247,222	479,277	820,200
Other clay, ceramic, refractory minerals mining	<1	26,235	57,809	98,095
Potash, soda, and borate mineral mining	<1	19,356	30,584	53,175
Phosphate rock mining	<1	7,497	15,440	26,315
Other chemical and fertilizer mineral mining	<1	12,546	20,807	36,031
Other nonmetallic minerals	<1	47,540	90,835	155,608
Drilling oil and gas wells	<1	1,332	4,085	6,751
Support activities for oil and gas operations	<1	19,314	34,827	62,057
Metal mining services	1	204,440	718,937	1,522,047
Other nonmetallic minerals services	<1	6,919	24,245	51,496
Electric power generation - Hydroelectric	1	271,293	621,048	1,056,366
Electric power generation - Fossil fuel	12	2,621,646	9,449,681	20,362,436
Electric power generation - Nuclear	6	1,540,891	3,369,593	6,358,964
Electric power generation - Solar	2	307,306	741,976	1,266,811
Electric power generation - Wind	1	255,900	2,109,869	3,775,695
Electric power generation - Geothermal	<1	40,421	87,444	148,116
Electric power generation - Biomass	<1	63,078	201,218	465,674
Electric power generation - All other	<1	132,317	34,188	96,160
Electric power transmission and distribution	39	8,124,516	28,911,391	62,606,251
Natural gas distribution	13	2,723,748	9,336,431	17,459,755
Water, sewage and other systems	9	1,100,393	2,338,882	3,887,108
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0

## Appendix

Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	471	32,829,095	33,008,019	69,674,883
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	101	7,073,246	11,260,271	26,461,848
Maintenance and repair construction of residential structures	49	3,200,615	4,844,838	10,962,478
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2,975	4,807	11,135
Dog and cat food manufacturing	4	328,550	891,807	3,410,687
Other animal food manufacturing	5	444,925	912,858	6,543,984
Flour milling	2	148,331	318,774	1,937,564
Rice milling	<1	30,108	53,246	322,046
Malt manufacturing	<1	11,817	22,456	136,085
Wet corn milling	1	194,554	445,016	2,596,355
Soybean and other oilseed processing	<1	85,729	531,284	5,214,989
Fats and oils refining and blending	<1	65,441	176,568	1,596,492
Breakfast cereal manufacturing	1	133,945	343,272	1,200,369
Beet sugar manufacturing	<1	55,039	104,983	447,065
Sugar cane mills and refining	<1	66,011	174,933	750,331
Nonchocolate confectionery manufacturing	3	195,572	277,291	1,170,314
Chocolate and confectionery manufacturing from cacao beans	1	85,853	126,108	532,892
Confectionery manufacturing from purchased chocolate	3	201,502	307,760	1,302,170
Frozen fruits, juices and vegetables manufacturing	3	220,978	419,914	1,689,902
Frozen specialties manufacturing	7	494,608	674,502	2,686,809
Canned fruits and vegetables manufacturing	5	407,950	742,602	2,957,382
Canned specialties	1	96,621	226,617	907,960
Dehydrated food products manufacturing	1	82,849	144,117	573,219



## Appendix

Cheese manufacturing	6	497,027	719,390	6,284,716
Dry, condensed, and evaporated dairy product manufacturing	2	159,697	393,716	1,918,967
Fluid milk manufacturing	5	449,654	739,831	3,965,228
Creamery butter manufacturing	<1	28,135	93,840	510,603
Ice cream and frozen dessert manufacturing	2	149,400	214,051	919,560
Frozen cakes and other pastries manufacturing	18	763,143	1,186,612	2,072,773
Poultry processing	23	1,385,514	1,772,781	8,513,531
Animal, except poultry, slaughtering	13	984,388	1,260,225	9,728,325
Meat processed from carcasses	14	1,000,640	1,022,971	7,727,598
Rendering and meat byproduct processing	1	99,276	115,347	584,540
Seafood product preparation and packaging	3	247,559	336,262	1,748,954
Bread and bakery product, except frozen, manufacturing	41	2,026,409	3,039,251	7,201,082
Cookie and cracker manufacturing	4	282,779	421,903	1,470,479
Dry pasta, mixes, and dough manufacturing	2	174,782	402,520	1,419,335
Tortilla manufacturing	2	130,732	173,431	601,965
Roasted nuts and peanut butter manufacturing	3	227,071	549,839	1,733,671
Other snack food manufacturing	6	481,436	1,172,638	3,996,659
Coffee and tea manufacturing	2	151,816	283,325	1,412,952
Flavoring syrup and concentrate manufacturing	1	147,752	1,032,060	2,318,570
Mayonnaise, dressing, and sauce manufacturing	2	162,043	299,318	1,229,739
Spice and extract manufacturing	3	255,019	417,129	1,707,855
All other food manufacturing	10	707,528	1,002,438	4,505,806
Bottled and canned soft drinks & water	11	941,049	1,696,676	7,149,863
Manufactured ice	<1	52,217	37,399	152,031
Breweries	12	790,730	1,741,004	4,421,709
Wineries	9	622,901	1,114,455	3,349,124
Distilleries	3	261,198	1,162,048	2,476,900
Tobacco product manufacturing	1	119,124	2,929,119	4,485,559
Fiber, yarn, and thread mills	2	97,424	123,562	615,102
Broadwoven fabric mills	2	124,351	167,750	596,258
Narrow fabric mills and schiffli machine embroidery	<1	17,389	19,037	58,923
Nonwoven fabric mills	<1	72,910	123,161	486,837
Knit fabric mills	<1	16,306	20,833	71,748

## Appendix

Textile and fabric finishing mills	6	407,239	522,782	2,126,992
Fabric coating mills	<1	35,613	43,124	169,106
Carpet and rug mills	2	103,760	149,222	593,391
Curtain and linen mills	2	79,068	98,331	328,770
Textile bag and canvas mills	2	140,581	178,112	534,045
Rope, cordage, twine, tire cord and tire fabric mills	<1	42,192	56,857	176,741
Other textile product mills	3	146,451	172,621	493,769
Hosiery and sock mills	1	39,914	51,158	107,218
Other apparel knitting mills	<1	26,455	36,706	79,973
Cut and sew apparel contractors	4	150,645	166,424	320,468
Men's and boys' cut and sew apparel manufacturing	3	176,007	200,491	444,079
Women's and girls' cut and sew apparel manufacturing	3	165,655	215,746	692,216
Other cut and sew apparel manufacturing	2	94,884	116,985	293,742
Apparel accessories and other apparel manufacturing	2	102,077	124,412	312,649
Leather and hide tanning and finishing	<1	9,929	12,248	52,301
Footwear manufacturing	1	82,271	87,219	234,639
Other leather and allied product manufacturing	1	61,911	66,510	188,771
Sawmills	7	505,749	985,540	3,511,990
Wood preservation	<1	62,440	197,574	709,941
Veneer and plywood manufacturing	2	172,972	299,369	940,103
Engineered wood member and truss manufacturing	3	249,723	430,474	1,351,674
Reconstituted wood product manufacturing	1	104,302	352,599	1,120,528
Wood windows and door manufacturing	8	583,884	810,976	2,334,033
Cut stock, resawing lumber, and planing	1	75,341	162,101	471,626
Other millwork, including flooring	4	265,506	442,686	1,280,621
Wood container and pallet manufacturing	4	271,042	385,466	1,090,922
Manufactured home (mobile home) manufacturing	<1	1,717	2,547	7,218
Prefabricated wood building manufacturing	1	87,781	158,680	451,965
All other miscellaneous wood product manufacturing	2	142,009	209,929	594,808
Pulp mills	<1	3,997	6,299	22,905
Paper mills	5	554,427	1,208,897	3,876,916

## Appendix

Paperboard mills	3	422,671	918,249	3,101,160
Paperboard container manufacturing	15	1,460,364	2,129,389	8,760,456
Paper bag and coated and treated paper manufacturing	5	446,967	673,465	2,281,878
Stationery product manufacturing	<1	60,795	77,087	304,083
Sanitary paper product manufacturing	3	278,851	820,881	2,420,610
All other converted paper product manufacturing	1	114,793	187,460	592,154
Printing	62	3,963,474	5,826,611	12,134,104
Support activities for printing	3	177,976	260,417	407,233
Petroleum refineries	4	1,427,776	11,235,598	54,780,745
Asphalt paving mixture and block manufacturing	<1	103,531	149,514	636,936
Asphalt shingle and coating materials manufacturing	<1	109,235	374,416	894,378
Petroleum lubricating oil and grease manufacturing	2	458,387	1,209,961	3,284,585
All other petroleum and coal products manufacturing	<1	66,401	178,960	485,460
Petrochemical manufacturing	2	354,304	3,865,754	13,231,100
Industrial gas manufacturing	2	392,397	1,271,000	3,192,526
Synthetic dye and pigment manufacturing	<1	88,451	197,936	515,594
Other basic inorganic chemical manufacturing	2	289,023	728,255	1,841,695
Other basic organic chemical manufacturing	4	573,671	1,521,856	7,923,559
Plastics material and resin manufacturing	4	596,033	1,154,637	6,224,842
Synthetic rubber manufacturing	<1	58,052	86,076	364,256
Artificial and synthetic fibers and filaments manufacturing	2	254,722	361,191	1,519,232
Nitrogenous fertilizer manufacturing	<1	94,544	424,195	1,257,030
Phosphatic fertilizer manufacturing	<1	44,363	138,747	403,962
Fertilizer mixing	<1	43,047	105,666	302,692
Pesticide and other agricultural chemical manufacturing	1	155,441	599,800	1,959,674
Medicinal and botanical manufacturing	3	581,269	1,274,092	2,644,266
Pharmaceutical preparation manufacturing	18	3,397,959	13,184,671	24,750,054
In-vitro diagnostic substance manufacturing	2	240,998	471,635	911,491
Biological product (except diagnostic) manufacturing	2	340,501	1,343,203	2,256,790

## Appendix

Paint and coating manufacturing	3	387,898	949,102	3,072,285
Adhesive manufacturing	2	200,168	403,368	1,278,894
Soap and other detergent manufacturing	3	398,710	1,460,011	3,725,952
Polish and other sanitation good manufacturing	3	322,688	663,018	1,626,169
Surface active agent manufacturing	<1	26,698	108,926	279,397
Toilet preparation manufacturing	5	524,575	2,253,743	4,935,617
Printing ink manufacturing	<1	85,468	99,419	395,983
Explosives manufacturing	<1	30,429	36,239	112,051
Custom compounding of purchased resins	2	174,471	361,298	1,198,102
Photographic film and chemical manufacturing	1	129,866	284,613	948,565
Other miscellaneous chemical product manufacturing	4	456,857	861,925	2,832,709
Plastics packaging materials and unlaminated film and sheet manufacturing	7	618,939	940,615	3,792,209
Unlaminated plastics profile shape manufacturing	3	213,807	425,841	1,461,696
Plastics pipe and pipe fitting manufacturing	4	324,526	822,485	2,952,984
Laminated plastics plate, sheet (except packaging), and shape manufacturing	2	144,126	225,872	655,037
Polystyrene foam product manufacturing	3	244,746	409,176	1,581,572
Urethane and other foam product (except polystyrene) manufacturing	4	269,830	427,079	1,755,632
Plastics bottle manufacturing	4	286,090	423,921	1,779,504
Other plastics product manufacturing	30	2,319,109	3,263,779	10,684,226
Tire manufacturing	5	463,832	578,716	2,162,235
Rubber and plastics hoses and belting manufacturing	1	85,283	127,595	394,251
Other rubber product manufacturing	7	504,289	621,266	2,114,230
Pottery, ceramics, and plumbing fixture manufacturing	<1	74,241	117,082	256,749
Brick, tile, and other structural clay product manufacturing	2	125,827	226,024	501,334
Flat glass manufacturing	1	95,455	188,995	459,060
Other pressed and blown glass and glassware manufacturing	2	186,858	306,054	731,985
Glass container manufacturing	1	138,207	219,549	523,622
Glass product manufacturing made of purchased glass	5	361,546	664,805	1,605,672

## Appendix

Cement manufacturing	1	135,808	332,140	849,169
Ready-mix concrete manufacturing	9	776,105	1,344,867	4,132,902
Concrete block and brick manufacturing	2	213,531	402,385	971,413
Concrete pipe manufacturing	2	172,555	309,125	743,270
Other concrete product manufacturing	8	627,534	985,353	2,342,814
Lime manufacturing	<1	33,576	83,565	205,319
Gypsum product manufacturing	2	166,273	502,304	1,246,667
Abrasive product manufacturing	<1	47,858	108,187	187,619
Cut stone and stone product manufacturing	3	178,174	239,780	530,588
Ground or treated mineral and earth manufacturing	<1	48,424	122,304	263,306
Mineral wool manufacturing	<1	72,544	205,322	460,551
Miscellaneous nonmetallic mineral products manufacturing	1	109,431	268,922	577,975
Iron and steel mills and ferroalloy manufacturing	5	652,275	1,822,351	9,764,302
Iron, steel pipe and tube manufacturing from purchased steel	1	141,048	334,857	1,252,200
Rolled steel shape manufacturing	1	118,968	419,831	1,602,504
Steel wire drawing	<1	52,925	118,854	442,847
Alumina refining and primary aluminum production	<1	61,858	107,074	482,929
Secondary smelting and alloying of aluminum	<1	35,011	81,128	666,024
Aluminum sheet, plate, and foil manufacturing	1	121,180	265,675	1,218,959
Other aluminum rolling, drawing and extruding	2	149,851	238,620	1,066,380
Nonferrous metal (exc aluminum) smelting and refining	<1	12,732	95,355	271,493
Copper rolling, drawing, extruding and alloying	2	147,242	333,345	2,647,212
Nonferrous metal, except copper and aluminum, shaping	<1	74,995	94,651	386,746
Secondary processing of other nonferrous metals	<1	11,778	27,519	118,969
Ferrous metal foundries	3	220,970	409,757	933,324
Nonferrous metal foundries	3	216,173	300,552	772,052
Custom roll forming	<1	33,786	47,020	238,600
Crown and closure manufacturing and metal stamping	4	269,609	344,698	1,076,448
Iron and steel forging	2	139,259	186,189	656,799
Nonferrous forging	<1	58,537	74,610	255,608

## Appendix

Cutlery, utensil, pot, and pan manufacturing	<1	75,446	159,509	455,556
Handtool manufacturing	2	147,154	227,486	576,591
Prefabricated metal buildings and components manufacturing	4	353,602	525,074	1,890,690
Fabricated structural metal manufacturing	8	668,223	976,489	3,487,715
Plate work manufacturing	3	254,138	288,435	878,236
Metal window and door manufacturing	6	414,466	566,916	1,715,429
Sheet metal work manufacturing	8	596,553	796,218	2,375,312
Ornamental and architectural metal work manufacturing	5	382,605	463,340	1,298,914
Power boiler and heat exchanger manufacturing	<1	16,947	22,781	63,591
Metal tank (heavy gauge) manufacturing	1	102,049	124,838	386,016
Metal cans manufacturing	2	235,112	435,196	2,219,665
Metal barrels, drums and pails manufacturing	<1	55,009	70,822	303,427
Hardware manufacturing	2	141,032	207,502	690,493
Spring and wire product manufacturing	4	338,061	436,279	1,410,667
Machine shops	30	2,337,580	2,737,169	5,914,032
Turned product and screw, nut, and bolt manufacturing	4	347,472	437,964	1,219,322
Metal heat treating	2	138,654	177,277	457,425
Metal coating and nonprecious engraving	5	340,577	581,188	1,737,547
Electroplating, anodizing, and coloring metal	5	346,245	376,374	862,879
Valve and fittings, other than plumbing, manufacturing	4	425,282	614,196	1,800,194
Plumbing fixture fitting and trim manufacturing	1	98,033	225,175	832,671
Ball and roller bearing manufacturing	1	118,198	185,514	513,358
Small arms ammunition manufacturing	<1	69,228	146,394	411,693
Ammunition, except for small arms, manufacturing	<1	18,554	20,441	41,310
Small arms, ordnance, and accessories manufacturing	2	156,745	305,868	838,142
Fabricated pipe and pipe fitting manufacturing	1	90,382	112,019	317,468
Other fabricated metal manufacturing	7	542,669	706,799	2,042,456
Farm machinery and equipment manufacturing	<1	24,978	48,580	199,854

## Appendix

Lawn and garden equipment manufacturing	<1	9,606	16,009	79,762
Construction machinery manufacturing	<1	12,144	28,114	90,802
Mining machinery and equipment manufacturing	<1	2,478	3,753	10,515
Oil and gas field machinery and equipment manufacturing	<1	11,422	15,293	41,308
Semiconductor machinery manufacturing	<1	41,163	51,701	126,603
Food product machinery manufacturing	<1	2,513	2,963	8,922
Sawmill, woodworking, and paper machinery	<1	5,058	5,721	16,952
Printing machinery and equipment manufacturing	<1	3,316	3,766	11,174
All other industrial machinery manufacturing	<1	17,260	23,095	59,032
Optical instrument and lens manufacturing	42	4,965,199	7,477,860	17,003,750
Photographic and photocopying equipment manufacturing	<1	5,613	7,139	20,152
Other commercial service industry machinery manufacturing	1	101,776	177,506	484,628
Air purification and ventilation equipment manufacturing	<1	51,410	69,595	190,035
Heating equipment (except warm air furnaces) manufacturing	1	97,788	161,101	441,740
Air conditioning, refrigeration, and warm air heating equipment manufacturing	3	247,707	454,996	1,374,354
Industrial mold manufacturing	<1	20,549	25,348	55,600
Special tool, die, jig, and fixture manufacturing	<1	18,338	25,000	48,043
Cutting tool and machine tool accessory manufacturing	<1	20,297	24,283	58,703
Machine tool manufacturing	<1	14,350	18,831	54,500
Rolling mill and other metalworking machinery manufacturing	<1	7,266	9,808	24,723
Turbine and turbine generator set units manufacturing	<1	8,382	9,413	26,815
Speed changer, industrial high-speed drive, and gear manufacturing	<1	41,698	63,288	162,711
Mechanical power transmission equipment manufacturing	<1	48,560	75,494	179,746
Other engine equipment manufacturing	2	190,539	401,304	1,729,853

## Appendix

Pump and pumping equipment manufacturing	<1	16,377	30,242	85,973
Air and gas compressor manufacturing	<1	16,436	23,267	65,956
Elevator and moving stairway manufacturing	<1	2,990	4,097	12,671
Conveyor and conveying equipment manufacturing	<1	8,268	9,339	26,959
Overhead cranes, hoists, and monorail systems manufacturing	<1	11,637	21,970	73,799
Industrial truck, trailer, and stacker manufacturing	<1	13,754	24,366	80,720
Power-driven handtool manufacturing	<1	18,611	50,221	135,925
Welding and soldering equipment manufacturing	<1	12,016	19,411	57,523
Packaging machinery manufacturing	<1	22,867	36,286	93,487
Industrial process furnace and oven manufacturing	<1	2,599	3,263	7,727
Fluid power cylinder and actuator manufacturing	<1	27,881	39,509	101,060
Fluid power pump and motor manufacturing	<1	29,843	53,482	145,384
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	14,052	17,848	49,245
Electronic computer manufacturing	8	2,702,659	3,953,807	8,705,351
Computer storage device manufacturing	<1	115,811	188,457	584,774
Computer terminals and other computer peripheral equipment manufacturing	3	485,803	710,047	1,784,451
Telephone apparatus manufacturing	<1	58,458	90,647	230,823
Broadcast and wireless communications equipment manufacturing	2	238,000	330,190	799,310
Other communications equipment manufacturing	<1	96,641	153,917	436,985
Audio and video equipment manufacturing	<1	123,315	229,507	740,738
Printed circuit assembly (electronic assembly) manufacturing	7	585,519	954,315	3,637,324
Bare printed circuit board manufacturing	3	299,903	370,397	915,041
Semiconductor and related device manufacturing	25	5,651,207	9,510,504	23,417,223



## Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	2	172,625	226,994	605,857
Electronic connector manufacturing	7	723,293	1,018,757	2,926,810
Other electronic component manufacturing	10	1,054,904	1,338,198	3,421,407
Electromedical and electrotherapeutic apparatus manufacturing	<1	51,817	87,519	202,964
Search, detection, and navigation instruments manufacturing	19	2,915,470	4,820,668	11,179,961
Automatic environmental control manufacturing	1	113,295	148,602	346,893
Industrial process variable instruments manufacturing	1	144,539	210,406	525,655
Totalizing fluid meter and counting device manufacturing	<1	24,894	47,445	116,885
Electricity and signal testing instruments manufacturing	4	613,893	765,709	1,861,465
Analytical laboratory instrument manufacturing	24	3,392,739	5,166,771	12,084,167
Irradiation apparatus manufacturing	<1	3,080	6,047	18,097
Watch, clock, and other measuring and controlling device manufacturing	5	724,710	1,077,555	2,351,053
Blank magnetic and optical recording media manufacturing	<1	89,524	273,477	934,277
Software and other prerecorded and record reproducing	<1	140,668	194,837	425,581
Electric lamp bulb and part manufacturing	<1	65,980	91,552	245,338
Lighting fixture manufacturing	3	265,122	322,205	1,093,708
Small electrical appliance manufacturing	<1	65,048	118,145	426,403
Household cooking appliance manufacturing	<1	33,287	70,953	259,069
Household refrigerator and home freezer manufacturing	<1	41,111	82,027	278,579
Household laundry equipment manufacturing	1	126,668	196,302	812,646
Other major household appliance manufacturing	<1	18,881	43,237	132,559
Power, distribution, and specialty transformer manufacturing	<1	17,353	22,076	63,561
Motor and generator manufacturing	<1	70,795	105,081	347,014

## Appendix

Switchgear and switchboard apparatus manufacturing	<1	78,784	118,750	372,254
Relay and industrial control manufacturing	<1	116,187	144,932	381,098
Storage battery manufacturing	3	356,500	482,600	1,475,278
Primary battery manufacturing	<1	50,695	70,711	201,143
Fiber optic cable manufacturing	2	175,259	229,565	929,066
Other communication and energy wire manufacturing	<1	66,212	100,626	454,623
Wiring device manufacturing	2	219,946	351,836	1,012,024
Carbon and graphite product manufacturing	2	183,940	251,638	801,476
All other miscellaneous electrical equipment and component manufacturing	9	1,132,403	1,245,948	3,388,755
Automobile manufacturing	7	835,035	2,088,381	9,667,039
Light truck and utility vehicle manufacturing	2	161,208	401,984	2,677,439
Heavy duty truck manufacturing	<1	13,893	22,853	138,061
Motor vehicle body manufacturing	<1	24,508	30,123	116,087
Truck trailer manufacturing	<1	1,875	2,418	10,030
Motor home manufacturing	2	177,776	272,824	1,192,960
Travel trailer and camper manufacturing	4	362,289	434,123	1,996,658
Motor vehicle gasoline engine and engine parts manufacturing	3	261,468	372,417	1,956,104
Motor vehicle electrical and electronic equipment manufacturing	4	399,680	511,479	2,367,429
Motor vehicle transmission and power train parts manufacturing	4	419,498	588,442	2,829,337
Motor vehicle seating and interior trim manufacturing	2	163,386	190,131	1,024,058
Motor vehicle metal stamping	4	347,770	423,590	1,700,368
Other motor vehicle parts manufacturing	9	701,992	932,134	4,525,785
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	3	233,672	320,827	1,483,797
Aircraft manufacturing	2	323,550	606,165	1,303,122
Aircraft engine and engine parts manufacturing	1	179,886	429,906	840,972
Other aircraft parts and auxiliary equipment manufacturing	13	1,382,061	2,025,136	3,942,402
Guided missile and space vehicle manufacturing	10	1,761,844	3,053,060	5,666,137

## Appendix

Propulsion units and parts for space vehicles and guided missiles manufacturing	8	1,031,035	1,517,934	2,714,837
Railroad rolling stock manufacturing	<1	5,224	5,849	22,094
Ship building and repairing	<1	35,925	55,454	114,367
Boat building	3	239,277	387,733	1,167,919
Motorcycle, bicycle, and parts manufacturing	<1	83,176	364,721	702,324
Military armored vehicle, tank, and tank component manufacturing	3	311,936	759,958	1,730,190
All other transportation equipment manufacturing	1	87,239	227,849	752,922
Wood kitchen cabinet and countertop manufacturing	10	605,744	727,959	1,849,715
Upholstered household furniture manufacturing	5	265,962	288,631	998,883
Nonupholstered wood household furniture manufacturing	2	139,690	154,507	439,116
Other household nonupholstered furniture manufacturing	<1	58,662	82,673	377,356
Institutional furniture manufacturing	1	80,949	84,809	264,444
Wood office furniture manufacturing	<1	3,625	4,314	13,563
Custom architectural woodwork and millwork	<1	13,866	12,484	36,126
Office furniture, except wood, manufacturing	<1	10,628	15,418	54,170
Showcase, partition, shelving, and locker manufacturing	<1	48,365	60,416	183,538
Mattress manufacturing	2	134,270	206,065	918,634
Blind and shade manufacturing	<1	47,637	47,702	165,670
Surgical and medical instrument manufacturing	2	200,097	311,149	600,703
Surgical appliance and supplies manufacturing	4	396,495	720,505	1,574,416
Dental equipment and supplies manufacturing	<1	26,024	40,468	88,951
Ophthalmic goods manufacturing	2	217,316	376,685	741,067
Dental laboratories	4	314,066	352,273	637,312
Jewelry and silverware manufacturing	4	246,664	421,794	1,094,224
Sporting and athletic goods manufacturing	3	276,936	385,383	1,130,363
Doll, toy, and game manufacturing	1	168,008	294,493	732,789

## Appendix

Office supplies (except paper) manufacturing	2	133,461	189,963	580,820
Sign manufacturing	3	226,273	212,902	524,575
Gasket, packing, and sealing device manufacturing	1	112,501	125,476	287,750
Musical instrument manufacturing	<1	28,799	32,170	73,836
Fasteners, buttons, needles, and pins manufacturing	<1	21,456	24,846	58,167
Broom, brush, and mop manufacturing	<1	50,735	74,990	195,849
Burial casket manufacturing	<1	15,061	20,238	50,875
All other miscellaneous manufacturing	5	401,968	559,158	1,426,098
Wholesale - Motor vehicle and motor vehicle parts and supplies	23	1,994,789	4,452,389	9,981,286
Wholesale - Professional and commercial equipment and supplies	74	10,859,655	17,236,781	28,811,221
Wholesale - Household appliances and electrical and electronic goods	38	4,758,921	11,589,307	24,345,314
Wholesale - Machinery, equipment, and supplies	43	4,426,201	8,489,053	15,277,344
Wholesale - Other durable goods merchant wholesalers	94	9,053,034	16,898,998	34,206,526
Wholesale - Drugs and druggists'sundries	29	4,879,717	12,006,327	26,067,038
Wholesale - Grocery and related product wholesalers	80	6,844,805	10,391,496	20,968,531
Wholesale - Petroleum and petroleum products	10	1,171,783	16,359,245	19,472,977
Wholesale - Other nondurable goods merchant wholesalers	106	10,037,153	23,624,113	43,881,159
Wholesale - Wholesale electronic markets and agents and brokers	50	6,869,027	7,847,916	9,190,205
Retail - Motor vehicle and parts dealers	100	8,178,095	12,180,419	16,632,792
Retail - Furniture and home furnishings stores	71	4,010,066	5,717,539	9,154,909
Retail - Electronics and appliance stores	66	4,293,590	4,224,538	6,813,352
Retail - Building material and garden equipment and supplies stores	98	5,090,452	10,830,823	15,027,288
Retail - Food and beverage stores	308	12,725,339	19,137,146	30,158,595
Retail - Health and personal care stores	142	7,225,883	9,650,540	14,377,587
Retail - Gasoline stores	84	4,129,845	8,921,525	15,582,790
Retail - Clothing and clothing accessories stores	143	5,295,163	9,634,263	18,809,399

## Appendix

Retail - Sporting goods, hobby, musical instrument and book stores	95	3,428,687	4,800,596	7,688,844
Retail - General merchandise stores	266	10,698,948	18,461,361	29,305,390
Retail - Miscellaneous store retailers	217	7,448,289	8,198,530	13,119,165
Retail - Nonstore retailers	249	5,711,413	35,695,171	57,967,930
Air transportation	60	7,873,810	16,666,127	32,210,144
Rail transportation	13	1,766,565	4,298,963	8,281,617
Water transportation	8	1,034,357	2,390,500	7,166,348
Truck transportation	228	16,655,794	24,570,768	52,278,706
Transit and ground passenger transportation	241	4,996,407	7,111,767	10,933,340
Pipeline transportation	4	3,300,162	3,933,816	5,652,660
Scenic and sightseeing transportation and support activities for transportation	156	14,239,958	12,274,491	18,471,176
Couriers and messengers	285	6,972,136	14,886,889	18,325,469
Warehousing and storage	241	13,435,891	14,473,194	26,658,780
Newspaper publishers	13	1,137,530	1,922,739	2,694,766
Periodical publishers	10	1,263,235	1,973,509	3,137,786
Book publishers	6	723,056	2,070,609	3,922,955
Directory, mailing list, and other publishers	4	466,060	1,090,034	1,810,220
Greeting card publishing	<1	22,182	76,988	127,871
Software publishers	218	41,771,165	82,119,155	106,675,504
Motion picture and video industries	39	3,639,651	6,104,335	12,553,777
Sound recording industries	3	326,780	2,233,926	3,521,257
Radio and television broadcasting	39	11,321,348	14,916,314	29,273,730
Cable and other subscription programming	10	3,756,655	15,069,071	29,067,284
Wired telecommunications carriers	55	5,919,658	14,810,885	26,843,664
Wireless telecommunications carriers (except satellite)	13	1,370,817	11,973,308	28,780,603
Satellite, telecommunications resellers, and all other telecommunications	13	1,653,144	2,161,417	5,153,595
Data processing, hosting, and related services	201	32,305,229	65,791,907	152,661,169
News syndicates, libraries, archives and all other information services	10	1,679,570	2,736,936	4,644,896
Internet publishing and broadcasting and web search portals	41	10,352,133	28,340,825	69,013,077

## Appendix

Nondepository credit intermediation and related activities	119	15,570,234	16,587,771	24,746,720
Securities and commodity contracts intermediation and brokerage	239	19,983,961	15,721,775	30,942,419
Monetary authorities and depository credit intermediation	260	30,417,547	92,579,608	134,052,151
Other financial investment activities	269	22,186,217	24,831,624	55,308,685
Direct life insurance carriers	34	3,968,534	7,828,617	11,386,862
Insurance carriers, except direct life	136	13,951,118	41,787,028	88,943,664
Insurance agencies, brokerages, and related activities	178	16,589,506	25,563,464	59,486,180
Funds, trusts, and other financial vehicles	93	3,798,670	5,165,463	21,332,350
Other real estate	1,369	45,788,071	131,593,833	303,031,152
Tenant-occupied housing	140	4,398,856	49,110,703	52,650,777
Owner-occupied dwellings	0	0	188,509,322	227,499,534
Automotive equipment rental and leasing	33	2,945,492	9,704,048	12,121,818
General and consumer goods rental except video tapes and discs	35	2,577,970	4,540,004	6,439,104
Video tape and disc rental	11	687,949	1,174,805	1,855,961
Commercial and industrial machinery and equipment rental and leasing	40	4,456,390	12,345,308	15,499,263
Lessors of nonfinancial intangible assets	6	633,227	13,282,019	14,075,037
Legal services	397	45,249,164	75,270,697	101,319,247
Accounting, tax preparation, bookkeeping, and payroll services	236	22,201,777	29,638,811	44,089,299
Architectural, engineering, and related services	548	56,728,512	63,376,784	108,261,229
Specialized design services	23	1,989,973	3,695,747	6,138,406
Custom computer programming services	102	12,816,808	13,209,925	17,628,207
Computer systems design services	217	26,617,969	25,654,880	32,122,969
Other computer related services, including facilities management	114	14,692,117	20,511,464	34,968,270
Management consulting services	1,150	128,173,594	132,777,954	205,159,776
Environmental and other technical consulting services	144	14,908,554	16,925,776	26,106,530
Scientific research and development services	5,920	724,755,017	941,863,409	1,657,551,929
Advertising, public relations, and related services	129	11,863,472	19,614,460	38,567,506

## Appendix

Photographic services	10	472,508	1,282,966	2,656,960
Veterinary services	39	2,347,800	2,714,623	4,130,029
Marketing research and all other miscellaneous professional, scientific, and technical services	237	23,156,333	42,422,377	82,233,949
Management of companies and enterprises	519	77,612,361	87,457,350	136,035,112
Office administrative services	187	15,314,455	6,061,185	15,482,126
Facilities support services	112	6,336,732	8,452,400	20,385,400
Employment services	1,257	67,857,533	91,661,374	152,210,842
Business support services	162	9,128,863	7,867,195	13,933,769
Travel arrangement and reservation services	39	2,956,470	4,613,000	13,017,231
Investigation and security services	388	17,664,137	17,998,738	26,128,905
Services to buildings	326	12,514,068	17,315,832	36,404,392
Landscape and horticultural services	131	6,216,103	7,554,056	14,305,397
Other support services	57	3,302,708	4,152,061	8,502,137
Waste management and remediation services	55	4,758,512	7,868,812	15,822,755
Elementary and secondary schools	129	7,066,875	5,700,125	6,886,616
Junior colleges, colleges, universities, and professional schools	1,021	57,187,600	71,269,854	94,972,203
Other educational services	131	6,730,820	7,441,121	13,915,835
Offices of physicians	415	46,851,111	47,101,779	67,609,161
Offices of dentists	132	9,534,755	11,424,140	15,447,522
Offices of other health practitioners	133	8,037,437	12,151,319	15,460,680
Outpatient care centers	142	12,628,061	12,479,040	18,760,757
Medical and diagnostic laboratories	48	4,314,948	7,100,015	9,535,254
Home health care services	196	9,607,050	9,557,164	12,479,393
Other ambulatory health care services	44	3,220,949	3,801,487	5,691,796
Hospitals	570	58,075,666	68,173,193	121,364,005
Nursing and community care facilities	177	9,556,629	10,281,416	16,475,548
Residential mental retardation, mental health, substance abuse and other facilities	78	4,377,729	4,500,122	6,572,459
Individual and family services	383	13,040,893	11,636,256	16,400,548
Child day care services	134	4,809,218	7,274,185	9,455,946
Community food, housing, and other relief services, including rehabilitation services	80	3,479,776	3,284,175	6,902,402

## Appendix

Performing arts companies	43	1,617,684	2,599,003	4,618,140
Commercial Sports Except Racing	99	5,056,461	3,751,172	6,175,142
Racing and Track Operation	7	301,283	532,624	917,982
Independent artists, writers, and performers	44	2,167,080	4,735,614	6,768,093
Promoters of performing arts and sports and agents for public figures	62	2,487,095	5,173,525	10,440,551
Museums, historical sites, zoos, and parks	14	752,729	880,087	1,525,750
Amusement parks and arcades	14	514,574	824,674	1,004,040
Gambling industries (except casino hotels)	54	2,501,627	7,874,538	10,286,404
Other amusement and recreation industries	79	2,773,889	2,892,856	4,001,137
Fitness and recreational sports centers	63	1,588,191	2,102,112	3,324,769
Bowling centers	9	262,457	404,259	618,960
Hotels and motels, including casino hotels	226	11,198,377	22,559,592	32,242,022
Other accommodations	59	3,378,358	4,071,455	5,116,793
Full-service restaurants	720	25,618,120	38,060,920	70,253,650
Limited-service restaurants	619	18,063,026	28,293,411	63,839,897
All other food and drinking places	409	15,755,782	22,928,058	35,588,437
Automotive repair and maintenance, except car washes	235	15,354,617	17,944,839	25,445,233
Car washes	108	7,531,314	11,257,106	16,152,302
Electronic and precision equipment repair and maintenance	506	40,282,353	53,417,549	83,993,433
Commercial and industrial machinery and equipment repair and maintenance	87	6,873,662	7,856,963	12,037,876
Personal and household goods repair and maintenance	36	1,893,775	3,997,869	5,507,268
Personal care services	217	6,146,697	3,810,945	4,842,075
Death care services	41	1,303,272	937,590	1,339,411
Dry-cleaning and laundry services	97	2,971,356	2,014,383	2,681,199
Other personal services	145	4,568,373	5,910,557	8,510,606
Religious organizations	225	14,262,676	6,996,703	20,499,835
Grantmaking, giving, and social advocacy organizations	61	4,697,848	14,225,365	19,562,670
Business and professional associations	29	2,971,348	5,055,106	7,838,495
Labor and civic organizations	63	2,809,604	8,305,564	12,719,800
Private households	125	2,556,542	2,556,542	2,556,542



## Appendix

Postal service	75	7,601,042	7,641,557	7,644,343
Federal electric utilities	1	277,533	683,528	1,753,790
Other federal government enterprises	7	476,537	775,147	1,971,938
State government passenger transit	3	349,172	17,092	138,782
State government electric utilities	<1	51,820	127,317	231,112
Other state government enterprises	7	892,411	1,256,297	2,402,095
Local government passenger transit	29	2,807,970	137,546	1,100,938
Local government electric utilities	10	1,406,870	3,456,544	7,165,799
Other local government enterprises	89	9,231,888	13,934,060	37,283,879
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	<1	753	892	892
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,493	452,913,431	617,900,024	1,046,027,846

## Alabama

## NASA

Table 628: Detailed NASA Impacts by Types of Impact, Alabama

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>35,494</i>	<i>2,732,332,447</i>	<i>4,184,159,749</i>	<i>8,072,328,841</i>
Oilseed farming	5	1,473,523	2,555,898	3,011,794
Grain farming	13	1,208,151	1,939,587	4,308,712
Vegetable and melon farming	5	437,106	661,923	828,924
Fruit farming	1	124,449	154,959	159,514
Tree nut farming	<1	60,351	84,293	88,525
Greenhouse, nursery, and floriculture production	7	396,169	688,315	1,202,293
Tobacco farming	0	0	0	0
Cotton farming	2	140,837	256,978	442,787
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	65	678,753	1,050,258	1,697,510
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	19	837,838	1,364,967	2,366,624
Dairy cattle and milk production	<1	15,061	24,052	79,609
Poultry and egg production	25	765,725	1,501,584	16,984,565
Animal production, except cattle and poultry and eggs	65	4,927,517	7,537,629	8,690,282
Forestry, forest products, and timber tract production	3	155,233	168,384	239,395
Commercial logging	13	676,002	708,135	1,215,070
Commercial fishing	5	-44,104	274,440	321,183
Commercial hunting and trapping	1	4,328	24,794	53,404
Support activities for agriculture and forestry	51	2,680,308	2,465,852	2,724,073
Oil and gas extraction	11	419,129	3,280,164	12,868,362
Coal mining	11	1,458,345	4,278,020	6,331,406
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	18,120	39,989	101,895
Gold ore mining	<1	7,600	22,738	56,850
Silver ore mining	<1	2,485	5,245	13,436
Uranium-radium-vanadium ore mining	<1	54,031	164,374	319,530
Other metal ore mining	<1	32,951	68,432	143,143
Stone mining and quarrying	3	342,870	1,289,932	2,042,105
Sand and gravel mining	3	212,407	372,202	715,515

## Appendix

Other clay, ceramic, refractory minerals mining	<1	16,772	31,713	60,819
Potash, soda, and borate mineral mining	<1	1,362	1,965	3,687
Phosphate rock mining	<1	329	608	1,155
Other chemical and fertilizer mineral mining	<1	123	182	355
Other nonmetallic minerals	<1	3,103	5,467	10,520
Drilling oil and gas wells	<1	56	102	349
Support activities for oil and gas operations	<1	5,352	7,691	19,006
Metal mining services	<1	2,258	19,123	82,972
Other nonmetallic minerals services	<1	2,078	4,472	26,723
Electric power generation - Hydroelectric	1	223,876	524,813	963,150
Electric power generation - Fossil fuel	16	3,108,490	11,522,947	26,349,729
Electric power generation - Nuclear	9	2,403,147	4,957,260	9,667,853
Electric power generation - Solar	<1	26,535	60,944	113,934
Electric power generation - Wind	<1	9,330	76,214	130,464
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	38,380	112,231	283,089
Electric power generation - All other	<1	38,845	-9,975	12,328
Electric power transmission and distribution	49	8,887,466	31,764,603	73,559,749
Natural gas distribution	16	1,904,801	7,151,311	17,353,510
Water, sewage and other systems	4	310,356	699,210	1,368,947
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	204	13,437,431	13,469,131	29,427,900
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	110	6,743,042	9,796,087	26,288,625
Maintenance and repair construction of residential structures	55	3,156,688	4,459,958	11,335,115
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,191	1,754	4,646
Dog and cat food manufacturing	4	335,092	814,756	3,564,698
Other animal food manufacturing	3	193,155	338,546	3,184,193
Flour milling	<1	88,678	177,766	1,133,778
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	5	812,273	1,721,982	10,965,528
Soybean and other oilseed processing	<1	32,355	182,380	1,938,323
Fats and oils refining and blending	<1	25,302	64,672	701,574
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	152	415	4,736
Nonchocolate confectionery manufacturing	<1	18,577	25,612	163,526
Chocolate and confectionery manufacturing from cacao beans	<1	155	235	2,749
Confectionery manufacturing from purchased chocolate	<1	4,579	6,535	71,869
Frozen fruits, juices and vegetables manufacturing	1	58,469	117,926	761,541
Frozen specialties manufacturing	<1	25,865	34,437	234,673
Canned fruits and vegetables manufacturing	<1	25,945	47,669	224,173
Canned specialties	<1	12,827	28,188	210,618
Dehydrated food products manufacturing	<1	2,241	3,949	25,414
Cheese manufacturing	<1	1,512	2,060	28,953
Dry, condensed, and evaporated dairy product manufacturing	<1	1,831	4,126	32,453
Fluid milk manufacturing	<1	83,545	127,279	584,988
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	2	142,035	195,626	869,402

## Appendix

Frozen cakes and other pastries manufacturing	5	162,657	240,637	477,913
Poultry processing	58	3,547,938	4,336,475	21,201,977
Animal, except poultry, slaughtering	1	59,796	78,832	702,123
Meat processed from carcasses	3	166,790	172,438	1,434,754
Rendering and meat byproduct processing	<1	26,073	29,049	194,276
Seafood product preparation and packaging	3	157,464	207,541	1,448,998
Bread and bakery product, except frozen, manufacturing	13	533,196	770,367	2,107,436
Cookie and cracker manufacturing	<1	35,210	48,766	193,547
Dry pasta, mixes, and dough manufacturing	<1	30,769	66,554	288,273
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	1	87,557	213,646	790,732
Other snack food manufacturing	2	112,644	250,995	1,086,565
Coffee and tea manufacturing	<1	86,491	150,133	603,238
Flavoring syrup and concentrate manufacturing	<1	3,571	24,738	44,663
Mayonnaise, dressing, and sauce manufacturing	<1	22,907	41,497	251,793
Spice and extract manufacturing	<1	42,813	67,205	388,893
All other food manufacturing	<1	73,221	100,635	434,955
Bottled and canned soft drinks & water	8	838,803	1,437,452	5,550,135
Manufactured ice	<1	46,083	30,119	157,895
Breweries	3	95,290	179,536	778,968
Wineries	<1	11,197	19,093	115,092
Distilleries	<1	23,864	77,531	246,251
Tobacco product manufacturing	<1	62,446	1,347,642	2,772,672
Fiber, yarn, and thread mills	5	220,558	260,559	1,413,923
Broadwoven fabric mills	5	259,616	328,623	1,249,278
Narrow fabric mills and schiffli machine embroidery	<1	35,167	37,448	128,665
Nonwoven fabric mills	<1	35,221	46,203	202,412
Knit fabric mills	<1	4,205	4,925	17,389
Textile and fabric finishing mills	<1	10,604	12,806	134,343
Fabric coating mills	<1	978	1,123	7,477
Carpet and rug mills	4	192,366	252,514	1,269,966
Curtain and linen mills	<1	40,762	47,358	191,034
Textile bag and canvas mills	1	73,259	87,467	279,378
Rope, cordage, twine, tire cord and tire fabric mills	<1	58,553	76,600	234,076

## Appendix

Other textile product mills	1	66,529	74,070	217,621
Hosiery and sock mills	2	47,076	46,399	145,691
Other apparel knitting mills	1	36,178	36,609	115,757
Cut and sew apparel contractors	<1	11,507	12,940	29,289
Men's and boys' cut and sew apparel manufacturing	<1	14,741	16,205	54,146
Women's and girls' cut and sew apparel manufacturing	<1	14,973	16,941	95,115
Other cut and sew apparel manufacturing	<1	7,382	8,638	34,543
Apparel accessories and other apparel manufacturing	<1	4,506	5,795	19,802
Leather and hide tanning and finishing	<1	16	38	1,842
Footwear manufacturing	<1	48	66	1,999
Other leather and allied product manufacturing	<1	291	436	12,947
Sawmills	11	887,382	1,785,458	5,902,487
Wood preservation	1	101,963	347,635	1,122,931
Veneer and plywood manufacturing	2	213,239	378,083	1,101,943
Engineered wood member and truss manufacturing	1	70,189	131,830	420,281
Reconstituted wood product manufacturing	1	108,531	404,643	1,341,874
Wood windows and door manufacturing	8	577,073	852,664	2,500,977
Cut stock, resawing lumber, and planing	2	141,284	323,530	837,001
Other millwork, including flooring	4	243,472	444,939	1,312,830
Wood container and pallet manufacturing	4	276,546	415,792	1,136,135
Manufactured home (mobile home) manufacturing	<1	6,201	9,646	26,072
Prefabricated wood building manufacturing	1	74,579	145,864	396,247
All other miscellaneous wood product manufacturing	2	144,154	222,786	640,403
Pulp mills	<1	12,643	22,441	70,880
Paper mills	12	1,641,298	4,719,951	12,007,960
Paperboard mills	9	1,282,707	3,358,566	9,800,878
Paperboard container manufacturing	14	1,174,075	2,113,979	8,256,584
Paper bag and coated and treated paper manufacturing	4	339,756	641,303	1,843,838
Stationery product manufacturing	<1	29,522	42,502	218,344

## Appendix

Sanitary paper product manufacturing	<1	32,368	137,205	332,205
All other converted paper product manufacturing	1	95,530	198,509	534,575
Printing	54	2,556,786	3,423,669	9,071,910
Support activities for printing	<1	41,844	55,998	94,915
Petroleum refineries	4	1,148,050	8,554,536	53,324,625
Asphalt paving mixture and block manufacturing	<1	59,707	83,322	450,021
Asphalt shingle and coating materials manufacturing	<1	125,011	400,942	1,191,494
Petroleum lubricating oil and grease manufacturing	13	1,900,585	4,127,646	15,514,485
All other petroleum and coal products manufacturing	2	264,020	716,658	2,204,530
Petrochemical manufacturing	2	306,261	3,278,016	12,331,572
Industrial gas manufacturing	2	265,537	685,195	2,059,142
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	1	204,044	403,300	1,176,966
Other basic organic chemical manufacturing	3	346,329	759,482	5,019,901
Plastics material and resin manufacturing	4	599,707	1,006,062	6,586,583
Synthetic rubber manufacturing	<1	8,550	11,772	53,983
Artificial and synthetic fibers and filaments manufacturing	4	495,646	695,141	2,927,345
Nitrogenous fertilizer manufacturing	<1	43,648	134,003	519,405
Phosphatic fertilizer manufacturing	<1	12,307	29,729	117,973
Fertilizer mixing	<1	25,529	46,603	165,139
Pesticide and other agricultural chemical manufacturing	2	331,617	1,017,050	3,555,486
Medicinal and botanical manufacturing	<1	26,775	38,189	121,424
Pharmaceutical preparation manufacturing	2	310,133	715,243	2,137,758
In-vitro diagnostic substance manufacturing	<1	6,086	8,217	22,730
Biological product (except diagnostic) manufacturing	<1	13,229	32,960	84,153
Paint and coating manufacturing	1	127,058	231,707	1,011,737
Adhesive manufacturing	<1	11,600	17,193	76,046
Soap and other detergent manufacturing	<1	31,556	74,910	385,023
Polish and other sanitation good manufacturing	<1	48,754	73,004	291,492

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	12,667	32,946	142,447
Printing ink manufacturing	<1	9,722	10,596	43,487
Explosives manufacturing	<1	20,237	22,560	77,211
Custom compounding of purchased resins	1	79,695	142,120	636,123
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	67,013	98,239	407,132
Plastics packaging materials and unlaminated film and sheet manufacturing	2	174,504	220,660	1,141,063
Unlaminated plastics profile shape manufacturing	<1	46,483	69,586	343,190
Plastics pipe and pipe fitting manufacturing	1	86,135	147,488	805,589
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	51,648	65,422	243,217
Polystyrene foam product manufacturing	1	85,251	113,770	561,249
Urethane and other foam product (except polystyrene) manufacturing	2	113,186	145,609	778,523
Plastics bottle manufacturing	<1	18,839	23,263	121,309
Other plastics product manufacturing	33	2,375,878	2,873,169	10,909,796
Tire manufacturing	12	1,153,659	1,334,136	5,138,735
Rubber and plastics hoses and belting manufacturing	1	52,138	66,475	318,815
Other rubber product manufacturing	2	109,920	123,236	512,890
Pottery, ceramics, and plumbing fixture manufacturing	<1	920	1,903	6,892
Brick, tile, and other structural clay product manufacturing	2	128,740	294,255	596,703
Flat glass manufacturing	<1	368	1,026	2,627
Other pressed and blown glass and glassware manufacturing	<1	93	205	568
Glass container manufacturing	<1	923	1,933	5,734
Glass product manufacturing made of purchased glass	3	254,672	630,248	1,294,257
Cement manufacturing	<1	107,279	362,707	764,924
Ready-mix concrete manufacturing	7	569,230	1,235,001	3,561,781
Concrete block and brick manufacturing	1	106,775	258,782	565,870
Concrete pipe manufacturing	<1	50,599	110,543	228,639



## Appendix

Other concrete product manufacturing	4	321,555	609,848	1,360,703
Lime manufacturing	<1	90,307	288,770	596,461
Gypsum product manufacturing	<1	64,010	284,384	609,453
Abrasive product manufacturing	<1	26,930	86,047	128,632
Cut stone and stone product manufacturing	3	166,069	258,826	552,022
Ground or treated mineral and earth manufacturing	<1	75,967	262,027	488,490
Mineral wool manufacturing	<1	69,446	289,610	588,611
Miscellaneous nonmetallic mineral products manufacturing	<1	16,343	56,100	100,074
Iron and steel mills and ferroalloy manufacturing	5	896,634	2,167,704	10,814,320
Iron, steel pipe and tube manufacturing from purchased steel	1	93,388	200,287	850,399
Rolled steel shape manufacturing	2	260,150	840,337	3,055,440
Steel wire drawing	<1	14,086	27,352	105,945
Alumina refining and primary aluminum production	<1	15,496	25,599	144,312
Secondary smelting and alloying of aluminum	<1	24,996	48,393	470,187
Aluminum sheet, plate, and foil manufacturing	1	126,489	260,794	1,080,297
Other aluminum rolling, drawing and extruding	<1	27,599	39,473	188,953
Nonferrous metal (exc aluminum) smelting and refining	<1	6,178	38,173	137,496
Copper rolling, drawing, extruding and alloying	2	90,741	180,354	1,826,423
Nonferrous metal, except copper and aluminum, shaping	<1	11,070	13,397	59,186
Secondary processing of other nonferrous metals	<1	5,097	10,335	60,664
Ferrous metal foundries	2	304,053	491,373	993,809
Nonferrous metal foundries	2	158,004	207,679	511,300
Custom roll forming	<1	10,359	15,000	74,930
Crown and closure manufacturing and metal stamping	<1	57,366	75,531	284,915
Iron and steel forging	<1	13,106	18,104	58,916
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	19,819	44,104	166,497
Handtool manufacturing	<1	32,952	53,871	129,440
Prefabricated metal buildings and components manufacturing	3	225,597	339,595	1,256,425

## Appendix

Fabricated structural metal manufacturing	7	617,962	938,579	3,279,738
Plate work manufacturing	1	95,871	109,472	371,767
Metal window and door manufacturing	2	112,238	158,199	511,412
Sheet metal work manufacturing	3	174,171	240,448	767,164
Ornamental and architectural metal work manufacturing	2	148,272	181,670	523,043
Power boiler and heat exchanger manufacturing	<1	3,129	4,362	11,984
Metal tank (heavy gauge) manufacturing	<1	36,478	45,138	138,400
Metal cans manufacturing	<1	19,120	36,607	186,990
Metal barrels, drums and pails manufacturing	<1	7,050	9,282	38,948
Hardware manufacturing	<1	48,855	73,514	315,587
Spring and wire product manufacturing	<1	64,102	84,896	261,400
Machine shops	11	774,554	921,714	2,037,988
Turned product and screw, nut, and bolt manufacturing	1	122,024	157,178	413,777
Metal heat treating	<1	35,968	47,683	129,043
Metal coating and nonprecious engraving	2	141,620	252,907	689,874
Electroplating, anodizing, and coloring metal	1	85,296	93,031	223,174
Valve and fittings, other than plumbing, manufacturing	2	139,784	212,282	693,388
Plumbing fixture fitting and trim manufacturing	<1	31,797	76,090	286,886
Ball and roller bearing manufacturing	<1	37,161	61,070	181,084
Small arms ammunition manufacturing	<1	14,548	34,066	121,946
Ammunition, except for small arms, manufacturing	<1	12,183	13,650	34,293
Small arms, ordnance, and accessories manufacturing	<1	4,376	9,430	37,922
Fabricated pipe and pipe fitting manufacturing	1	94,120	118,831	322,104
Other fabricated metal manufacturing	1	89,530	119,668	359,499
Farm machinery and equipment manufacturing	<1	38,683	59,793	298,917
Lawn and garden equipment manufacturing	<1	17,468	26,207	145,697
Construction machinery manufacturing	<1	26,551	49,180	204,174
Mining machinery and equipment manufacturing	<1	751	919	3,225

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	8,905	10,250	31,315
Semiconductor machinery manufacturing	<1	2,173	2,436	9,443
Food product machinery manufacturing	<1	66	72	406
Sawmill, woodworking, and paper machinery	<1	8,244	8,938	29,262
Printing machinery and equipment manufacturing	<1	141	149	495
All other industrial machinery manufacturing	<1	810	928	2,754
Optical instrument and lens manufacturing	<1	2,425	3,015	9,336
Photographic and photocopying equipment manufacturing	<1	747	839	3,106
Other commercial service industry machinery manufacturing	<1	9,515	12,718	49,502
Air purification and ventilation equipment manufacturing	<1	19,745	23,010	62,724
Heating equipment (except warm air furnaces) manufacturing	<1	42,399	56,624	247,824
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	42,166	58,995	239,932
Industrial mold manufacturing	<1	3,141	3,495	9,197
Special tool, die, jig, and fixture manufacturing	<1	5,706	6,673	15,829
Cutting tool and machine tool accessory manufacturing	<1	4,379	4,753	12,058
Machine tool manufacturing	<1	1,213	1,389	4,482
Rolling mill and other metalworking machinery manufacturing	<1	1,972	2,336	7,203
Turbine and turbine generator set units manufacturing	<1	1,489	1,568	5,639
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,350	6,571	20,735
Mechanical power transmission equipment manufacturing	<1	24,854	30,477	87,800
Other engine equipment manufacturing	2	124,460	211,140	1,421,398
Pump and pumping equipment manufacturing	<1	133	187	1,441
Air and gas compressor manufacturing	<1	1,830	2,178	7,790
Elevator and moving stairway manufacturing	<1	1,153	1,330	4,767

## Appendix

Conveyor and conveying equipment manufacturing	<1	5,828	6,280	18,963
Overhead cranes, hoists, and monorail systems manufacturing	<1	3,936	5,603	22,530
Industrial truck, trailer, and stacker manufacturing	<1	6,790	9,241	44,709
Power-driven handtool manufacturing	<1	408	835	2,333
Welding and soldering equipment manufacturing	<1	582	738	2,610
Packaging machinery manufacturing	<1	1,292	1,628	5,185
Industrial process furnace and oven manufacturing	<1	696	774	2,128
Fluid power cylinder and actuator manufacturing	<1	6,244	7,728	23,127
Fluid power pump and motor manufacturing	<1	948	1,270	4,685
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,174	3,554	11,875
Electronic computer manufacturing	<1	58,793	75,016	503,098
Computer storage device manufacturing	<1	11,599	15,243	80,032
Computer terminals and other computer peripheral equipment manufacturing	<1	21,935	27,954	105,285
Telephone apparatus manufacturing	<1	30,007	42,028	146,082
Broadcast and wireless communications equipment manufacturing	<1	1,773	2,095	7,905
Other communications equipment manufacturing	<1	6,106	8,215	31,480
Audio and video equipment manufacturing	<1	102	141	619
Printed circuit assembly (electronic assembly) manufacturing	1	90,915	119,412	514,099
Bare printed circuit board manufacturing	1	101,455	115,104	309,532
Semiconductor and related device manufacturing	<1	2,428	3,299	14,598
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	4,070	4,620	16,549
Electronic connector manufacturing	<1	35,891	41,865	146,521
Other electronic component manufacturing	<1	65,983	74,392	275,856

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	619	813	2,299
Search, detection, and navigation instruments manufacturing	<1	691	913	3,559
Automatic environmental control manufacturing	<1	52,536	62,055	144,238
Industrial process variable instruments manufacturing	<1	5,643	6,879	19,919
Totalizing fluid meter and counting device manufacturing	<1	26,314	41,295	113,895
Electricity and signal testing instruments manufacturing	<1	905	1,006	2,942
Analytical laboratory instrument manufacturing	<1	128,825	177,126	461,432
Irradiation apparatus manufacturing	<1	358	502	1,792
Watch, clock, and other measuring and controlling device manufacturing	<1	1,324	1,622	7,031
Blank magnetic and optical recording media manufacturing	<1	19,112	47,249	364,083
Software and other prerecorded and record reproducing	<1	29,150	37,219	139,809
Electric lamp bulb and part manufacturing	<1	4,972	7,392	26,315
Lighting fixture manufacturing	<1	13,892	17,397	80,230
Small electrical appliance manufacturing	<1	25,256	46,779	173,720
Household cooking appliance manufacturing	1	105,592	212,791	844,049
Household refrigerator and home freezer manufacturing	1	130,484	246,611	903,996
Household laundry equipment manufacturing	4	397,603	592,106	2,628,026
Other major household appliance manufacturing	<1	60,454	128,504	427,332
Power, distribution, and specialty transformer manufacturing	<1	11,215	14,398	42,830
Motor and generator manufacturing	<1	15,530	25,146	95,224
Switchgear and switchboard apparatus manufacturing	<1	79,905	125,942	423,832
Relay and industrial control manufacturing	<1	6,508	8,125	25,098
Storage battery manufacturing	1	69,289	101,443	388,884
Primary battery manufacturing	<1	9,212	-41,818	28,259
Fiber optic cable manufacturing	<1	56,042	77,280	398,426

## Appendix

Other communication and energy wire manufacturing	<1	6,647	10,461	59,357
Wiring device manufacturing	<1	51,845	90,383	276,057
Carbon and graphite product manufacturing	12	1,239,472	1,712,439	5,377,846
All other miscellaneous electrical equipment and component manufacturing	<1	12,508	13,995	36,871
Automobile manufacturing	13	1,203,165	2,301,483	16,934,711
Light truck and utility vehicle manufacturing	4	262,047	500,286	5,434,665
Heavy duty truck manufacturing	<1	44,524	68,401	538,897
Motor vehicle body manufacturing	<1	48,860	55,885	193,464
Truck trailer manufacturing	<1	2,247	2,464	12,235
Motor home manufacturing	11	886,715	1,216,620	6,117,200
Travel trailer and camper manufacturing	6	444,573	481,761	2,518,155
Motor vehicle gasoline engine and engine parts manufacturing	6	561,022	708,110	4,052,366
Motor vehicle electrical and electronic equipment manufacturing	10	819,635	919,777	5,127,191
Motor vehicle transmission and power train parts manufacturing	6	481,857	577,159	3,760,017
Motor vehicle seating and interior trim manufacturing	5	381,595	405,171	2,563,929
Motor vehicle metal stamping	15	1,312,871	1,451,017	6,168,008
Other motor vehicle parts manufacturing	12	885,504	1,009,371	5,849,530
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	6	540,101	648,274	3,219,494
Aircraft manufacturing	<1	5,110	10,834	23,865
Aircraft engine and engine parts manufacturing	<1	22,923	87,010	141,943
Other aircraft parts and auxiliary equipment manufacturing	<1	59,750	100,378	191,116
Guided missile and space vehicle manufacturing	<1	14,194	32,689	57,613
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	17,329	31,273	52,132
Railroad rolling stock manufacturing	<1	2,584	2,977	12,761
Ship building and repairing	<1	24,846	43,426	81,943
Boat building	1	90,783	170,332	471,746
Motorcycle, bicycle, and parts manufacturing	2	178,248	1,036,772	1,833,341

## Appendix

Military armored vehicle, tank, and tank component manufacturing	7	538,278	1,839,186	4,201,771
All other transportation equipment manufacturing	3	282,290	847,026	2,664,199
Wood kitchen cabinet and countertop manufacturing	8	425,553	583,003	1,508,949
Upholstered household furniture manufacturing	<1	54,223	61,712	198,898
Nonupholstered wood household furniture manufacturing	<1	31,174	37,681	135,857
Other household nonupholstered furniture manufacturing	<1	23,751	42,960	196,822
Institutional furniture manufacturing	<1	2,977	3,247	12,293
Wood office furniture manufacturing	<1	3,017	4,098	14,052
Custom architectural woodwork and millwork	<1	2,441	2,461	8,146
Office furniture, except wood, manufacturing	<1	12,639	23,531	67,721
Showcase, partition, shelving, and locker manufacturing	<1	49,890	73,195	210,664
Mattress manufacturing	<1	13,431	26,377	117,786
Blind and shade manufacturing	<1	1,644	1,678	7,819
Surgical and medical instrument manufacturing	<1	74,703	91,299	225,609
Surgical appliance and supplies manufacturing	1	98,743	139,423	408,012
Dental equipment and supplies manufacturing	<1	877	1,109	2,983
Ophthalmic goods manufacturing	<1	6,601	8,845	20,499
Dental laboratories	1	79,136	83,525	163,130
Jewelry and silverware manufacturing	1	71,247	122,576	365,557
Sporting and athletic goods manufacturing	2	126,356	152,179	543,049
Doll, toy, and game manufacturing	<1	1,800	2,299	10,318
Office supplies (except paper) manufacturing	35	2,795,751	3,902,273	12,383,848
Sign manufacturing	6	491,377	448,639	1,120,704
Gasket, packing, and sealing device manufacturing	<1	63,947	67,907	163,342
Musical instrument manufacturing	<1	2,001	2,060	4,531
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	<1	3,781	4,153	11,859
Burial casket manufacturing	<1	66,650	85,057	236,277
All other miscellaneous manufacturing	2	172,669	209,749	595,846
Wholesale - Motor vehicle and motor vehicle parts and supplies	14	1,185,130	2,664,175	6,145,253
Wholesale - Professional and commercial equipment and supplies	42	4,728,265	7,414,084	13,921,614
Wholesale - Household appliances and electrical and electronic goods	30	3,171,893	8,211,381	18,228,971
Wholesale - Machinery, equipment, and supplies	37	3,562,840	6,969,189	12,811,875
Wholesale - Other durable goods merchant wholesalers	64	5,904,001	11,224,963	23,102,334
Wholesale - Drugs and druggists'sundries	16	2,195,045	5,763,145	13,692,909
Wholesale - Grocery and related product wholesalers	82	6,296,542	9,901,836	20,665,807
Wholesale - Petroleum and petroleum products	13	1,047,477	16,058,030	20,083,683
Wholesale - Other nondurable goods merchant wholesalers	82	6,341,376	14,547,777	30,296,448
Wholesale - Wholesale electronic markets and agents and brokers	64	8,368,931	9,672,293	11,413,751
Retail - Motor vehicle and parts dealers	137	9,667,437	14,002,209	20,079,347
Retail - Furniture and home furnishings stores	85	4,112,979	5,704,950	9,835,897
Retail - Electronics and appliance stores	85	4,634,821	4,018,590	7,374,775
Retail - Building material and garden equipment and supplies stores	115	5,754,327	11,089,937	16,016,897
Retail - Food and beverage stores	319	11,269,061	16,143,908	27,480,998
Retail - Health and personal care stores	188	8,373,366	10,785,371	17,070,282
Retail - Gasoline stores	130	4,646,532	10,268,281	20,355,527
Retail - Clothing and clothing accessories stores	177	4,573,333	8,424,415	19,807,100
Retail - Sporting goods, hobby, musical instrument and book stores	118	3,290,773	4,581,169	8,170,488
Retail - General merchandise stores	351	12,755,325	20,768,437	35,031,603
Retail - Miscellaneous store retailers	289	6,800,512	7,300,967	13,898,050
Retail - Nonstore retailers	280	7,020,956	37,511,660	62,545,840
Air transportation	13	977,464	2,517,922	5,924,451



## Appendix

Rail transportation	12	1,742,680	5,249,658	8,985,244
Water transportation	6	624,701	1,377,057	4,921,740
Truck transportation	231	15,929,149	23,838,878	51,925,149
Transit and ground passenger transportation	87	1,380,221	1,477,256	2,912,050
Pipeline transportation	6	3,345,781	4,785,511	7,544,723
Scenic and sightseeing transportation and support activities for transportation	138	11,682,755	10,274,790	15,775,133
Couriers and messengers	218	5,265,540	11,515,619	14,144,082
Warehousing and storage	236	11,474,306	12,093,120	24,050,375
Newspaper publishers	21	1,450,322	2,077,301	3,327,249
Periodical publishers	15	1,549,965	1,951,062	3,729,747
Book publishers	3	308,163	646,966	1,560,627
Directory, mailing list, and other publishers	1	74,610	145,714	353,050
Greeting card publishing	0	0	0	0
Software publishers	704	103,639,275	178,811,834	266,783,178
Motion picture and video industries	30	1,685,084	2,406,018	7,603,462
Sound recording industries	2	150,188	814,321	1,854,174
Radio and television broadcasting	64	9,075,868	12,667,551	38,483,772
Cable and other subscription programming	2	308,288	1,437,532	4,925,394
Wired telecommunications carriers	75	7,485,976	16,623,931	33,169,830
Wireless telecommunications carriers (except satellite)	15	1,416,175	10,027,628	29,772,549
Satellite, telecommunications resellers, and all other telecommunications	12	1,263,238	1,797,372	4,466,086
Data processing, hosting, and related services	51	5,175,119	8,286,428	30,471,381
News syndicates, libraries, archives and all other information services	5	309,930	382,492	1,285,887
Internet publishing and broadcasting and web search portals	53	6,137,327	11,620,325	67,180,947
Nondepository credit intermediation and related activities	98	8,650,179	9,197,053	15,955,379
Securities and commodity contracts intermediation and brokerage	268	12,146,876	12,144,268	30,129,298
Monetary authorities and depository credit intermediation	428	44,673,953	118,505,523	190,095,983

## Appendix

Other financial investment activities	119	4,571,867	5,630,198	19,875,943
Direct life insurance carriers	36	3,565,935	7,393,921	11,198,050
Insurance carriers, except direct life	132	12,233,754	39,115,499	85,196,959
Insurance agencies, brokerages, and related activities	180	15,703,619	24,868,256	59,264,309
Funds, trusts, and other financial vehicles	73	2,359,749	2,501,431	15,143,174
Other real estate	1,575	30,038,755	119,317,013	316,183,157
Tenant-occupied housing	154	2,914,341	28,862,851	32,585,346
Owner-occupied dwellings	0	0	189,011,922	228,106,089
Automotive equipment rental and leasing	37	2,728,119	10,133,081	12,876,826
General and consumer goods rental except video tapes and discs	39	2,411,955	4,595,238	6,701,747
Video tape and disc rental	11	614,873	1,053,788	1,769,541
Commercial and industrial machinery and equipment rental and leasing	32	3,246,306	9,745,937	12,275,132
Lessors of nonfinancial intangible assets	6	200,028	8,080,182	8,823,402
Legal services	527	51,473,403	88,152,305	122,783,531
Accounting, tax preparation, bookkeeping, and payroll services	234	18,167,565	22,011,531	36,364,027
Architectural, engineering, and related services	288	28,516,829	30,657,532	54,192,086
Specialized design services	16	999,210	1,531,871	3,172,148
Custom computer programming services	64	5,973,462	6,457,528	9,241,472
Computer systems design services	130	13,464,791	12,434,546	16,301,375
Other computer related services, including facilities management	19	1,667,375	2,254,947	4,645,236
Management consulting services	1,123	96,607,041	98,807,265	169,896,614
Environmental and other technical consulting services	66	5,732,922	6,224,201	10,416,976
Scientific research and development services	7,928	747,384,904	934,417,573	1,897,400,041
Advertising, public relations, and related services	125	8,660,824	13,148,684	31,807,040
Photographic services	16	689,069	1,468,112	3,695,618
Veterinary services	38	1,780,010	1,951,826	3,293,066
Marketing research and all other miscellaneous professional, scientific, and technical services	1,675	156,527,196	267,905,654	551,042,364
Management of companies and enterprises	467	51,986,874	59,123,500	103,155,989

## Appendix

Office administrative services	116	6,566,656	815,110	6,711,008
Facilities support services	14	314,653	421,013	1,854,165
Employment services	2,179	81,524,150	99,435,552	205,368,667
Business support services	238	9,090,681	7,179,636	16,222,153
Travel arrangement and reservation services	21	1,035,921	1,379,897	5,939,287
Investigation and security services	229	7,756,354	7,812,248	12,641,392
Services to buildings	351	11,023,280	13,563,460	34,242,408
Landscape and horticultural services	151	5,751,688	6,514,882	14,331,796
Other support services	68	2,493,021	2,917,789	8,199,820
Waste management and remediation services	55	4,195,707	7,312,924	15,220,648
Elementary and secondary schools	116	4,509,717	3,430,576	4,511,220
Junior colleges, colleges, universities, and professional schools	140	4,527,949	5,440,077	8,767,938
Other educational services	74	3,153,727	3,354,543	6,986,449
Offices of physicians	516	57,890,376	57,829,286	83,338,592
Offices of dentists	136	10,045,710	11,111,404	15,277,919
Offices of other health practitioners	154	9,707,254	12,505,506	16,333,737
Outpatient care centers	127	12,924,465	12,601,679	18,189,624
Medical and diagnostic laboratories	63	5,004,687	6,771,763	9,962,104
Home health care services	107	7,415,383	7,307,576	8,910,624
Other ambulatory health care services	49	3,379,235	3,704,880	5,815,906
Hospitals	425	44,327,062	51,390,207	91,085,440
Nursing and community care facilities	198	9,195,108	9,905,250	16,833,150
Residential mental retardation, mental health, substance abuse and other facilities	87	3,737,379	3,882,246	6,237,718
Individual and family services	289	8,638,166	7,136,958	10,759,274
Child day care services	148	4,585,769	5,557,537	7,964,533
Community food, housing, and other relief services, including rehabilitation services	59	2,038,612	1,877,743	4,562,659
Performing arts companies	58	897,758	1,653,561	4,591,605
Commercial Sports Except Racing	55	990,989	1,019,996	2,478,943
Racing and Track Operation	11	219,170	455,526	1,029,162
Independent artists, writers, and performers	31	443,259	1,317,233	2,882,430

## Appendix

Promoters of performing arts and sports and agents for public figures	72	1,038,805	2,725,741	9,130,790
Museums, historical sites, zoos, and parks	12	440,141	546,974	1,118,779
Amusement parks and arcades	7	148,495	197,012	286,920
Gambling industries (except casino hotels)	30	871,206	3,263,124	4,592,682
Other amusement and recreation industries	85	2,173,627	2,007,067	3,174,240
Fitness and recreational sports centers	61	1,034,102	1,122,819	2,313,854
Bowling centers	9	197,942	256,962	482,667
Hotels and motels, including casino hotels	37	1,212,924	2,607,285	4,194,746
Other accommodations	10	408,574	495,675	676,266
Full-service restaurants	744	20,612,521	32,925,649	66,154,445
Limited-service restaurants	711	16,556,784	27,514,727	68,301,317
All other food and drinking places	442	13,901,260	20,547,471	34,227,449
Automotive repair and maintenance, except car washes	258	13,837,028	18,211,627	26,447,016
Car washes	131	8,040,592	12,039,698	18,004,558
Electronic and precision equipment repair and maintenance	612	36,257,753	44,240,761	81,498,507
Commercial and industrial machinery and equipment repair and maintenance	107	6,799,834	7,885,935	13,048,601
Personal and household goods repair and maintenance	34	1,496,459	4,484,170	5,928,601
Personal care services	233	5,495,947	5,167,308	6,254,283
Death care services	46	1,151,408	1,162,446	1,612,290
Dry-cleaning and laundry services	138	3,521,615	3,415,112	4,351,895
Other personal services	125	3,225,883	5,007,918	7,255,195
Religious organizations	149	7,417,913	6,137,839	15,025,975
Grantmaking, giving, and social advocacy organizations	35	1,623,196	11,132,279	14,254,254
Business and professional associations	31	2,148,627	6,126,003	9,087,496
Labor and civic organizations	41	1,395,319	8,888,875	11,916,900
Private households	123	1,663,781	1,663,781	1,663,781
Postal service	87	8,039,665	8,074,601	8,077,838
Federal electric utilities	10	2,156,745	5,172,119	13,410,371
Other federal government enterprises	7	321,141	476,918	1,525,036
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	41	3,827,099	6,039,789	12,369,283
Local government passenger transit	60	2,674,942	557,233	2,342,335
Local government electric utilities	13	1,242,177	3,767,720	8,931,772
Other local government enterprises	132	10,786,424	25,335,265	59,721,304
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,517	460,971,477	627,415,185	1,101,205,979

## Moon to Mars Campaign

**Table 629: Detailed M2M Campaign Impacts by Types of Impact, Alabama**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>22,686</i>	<i>1,745,164,857</i>	<i>2,666,574,201</i>	<i>5,153,227,546</i>
Oilseed farming	4	1,215,039	2,443,964	3,020,921
Grain farming	9	738,872	1,649,144	2,687,609
Vegetable and melon farming	3	261,982	420,289	506,977
Fruit farming	<1	82,246	104,188	105,083
Tree nut farming	<1	42,235	62,076	65,441
Greenhouse, nursery, and floriculture production	4	227,298	419,036	707,508
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	1	77,766	140,305	242,271
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	36	354,665	582,464	917,555
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	12	486,894	919,179	1,482,263
Dairy cattle and milk production	<1	10,205	17,847	53,384
Poultry and egg production	14	425,190	886,366	9,395,059
Animal production, except cattle and poultry and eggs	47	2,936,092	5,275,227	5,857,892
Forestry, forest products, and timber tract production	2	103,857	113,286	158,353
Commercial logging	6	353,920	390,459	643,160
Commercial fishing	3	-57,368	181,715	210,923
Commercial hunting and trapping	<1	4,098	15,043	32,001
Support activities for agriculture and forestry	35	1,824,347	1,703,479	1,882,042
Oil and gas extraction	6	169,952	1,599,162	6,734,762
Coal mining	4	577,631	1,766,254	2,611,927
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	10,639	23,962	60,260
Gold ore mining	<1	5,065	15,169	36,293
Silver ore mining	<1	1,758	3,699	9,120
Uranium-radium-vanadium ore mining	<1	33,114	103,236	198,377
Other metal ore mining	<1	22,691	47,824	97,586
Stone mining and quarrying	2	189,719	702,716	1,111,358
Sand and gravel mining	2	144,745	254,283	476,499
Other clay, ceramic, refractory minerals mining	<1	9,740	18,600	35,427
Potash, soda, and borate mineral mining	<1	873	1,269	2,386
Phosphate rock mining	<1	237	440	832
Other chemical and fertilizer mineral mining	<1	81	123	241
Other nonmetallic minerals	<1	2,512	4,465	8,602
Drilling oil and gas wells	<1	30	57	200
Support activities for oil and gas operations	<1	2,346	3,481	8,793
Metal mining services	<1	1,110	10,789	47,127
Other nonmetallic minerals services	<1	1,095	2,846	16,648
Electric power generation - Hydroelectric	<1	172,559	396,995	719,564

## Appendix

Electric power generation - Fossil fuel	11	2,428,367	8,248,142	18,884,644
Electric power generation - Nuclear	7	1,944,291	3,990,321	7,731,641
Electric power generation - Solar	<1	18,930	43,537	81,683
Electric power generation - Wind	<1	5,080	41,657	71,104
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	27,402	81,111	209,475
Electric power generation - All other	<1	30,262	-5,188	7,754
Electric power transmission and distribution	31	5,863,659	20,086,057	46,426,450
Natural gas distribution	10	1,361,573	5,003,419	11,931,193
Water, sewage and other systems	2	199,041	437,667	843,490
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	7	463,017	463,312	1,017,869
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	74	4,621,411	6,874,992	17,989,629
Maintenance and repair construction of residential structures	34	1,948,492	2,811,447	7,014,043
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	785	1,180	3,076
Dog and cat food manufacturing	2	178,940	443,094	1,912,063
Other animal food manufacturing	2	121,122	220,144	2,023,673
Flour milling	<1	47,098	95,293	618,927

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	3	414,121	946,512	5,505,387
Soybean and other oilseed processing	<1	20,537	118,099	1,222,301
Fats and oils refining and blending	<1	15,029	38,566	419,923
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	114	333	3,568
Nonchocolate confectionery manufacturing	<1	11,301	15,569	98,344
Chocolate and confectionery manufacturing from cacao beans	<1	124	189	2,155
Confectionery manufacturing from purchased chocolate	<1	2,971	4,344	46,006
Frozen fruits, juices and vegetables manufacturing	<1	36,831	76,526	471,327
Frozen specialties manufacturing	<1	15,503	20,623	141,495
Canned fruits and vegetables manufacturing	<1	18,261	34,297	158,371
Canned specialties	<1	8,543	19,113	140,502
Dehydrated food products manufacturing	<1	1,594	2,808	17,912
Cheese manufacturing	<1	1,008	1,372	19,967
Dry, condensed, and evaporated dairy product manufacturing	<1	1,230	2,800	21,867
Fluid milk manufacturing	<1	54,980	86,342	391,035
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	1	90,301	126,541	549,953
Frozen cakes and other pastries manufacturing	3	101,456	150,253	297,668
Poultry processing	32	1,899,253	2,373,234	11,589,843
Animal, except poultry, slaughtering	<1	31,645	42,259	378,862
Meat processed from carcasses	2	108,012	112,449	932,486
Rendering and meat byproduct processing	<1	16,537	18,510	123,794
Seafood product preparation and packaging	2	93,577	127,638	860,441
Bread and bakery product, except frozen, manufacturing	8	328,454	478,455	1,305,696
Cookie and cracker manufacturing	<1	25,182	36,269	135,188
Dry pasta, mixes, and dough manufacturing	<1	18,257	39,891	178,640
Tortilla manufacturing	0	0	0	0



## Appendix

Roasted nuts and peanut butter manufacturing	<1	57,586	146,868	522,441
Other snack food manufacturing	1	69,311	156,290	668,138
Coffee and tea manufacturing	<1	50,652	90,401	359,755
Flavoring syrup and concentrate manufacturing	<1	2,856	20,422	35,824
Mayonnaise, dressing, and sauce manufacturing	<1	14,996	27,161	163,914
Spice and extract manufacturing	<1	32,561	52,681	299,252
All other food manufacturing	<1	46,583	64,466	280,806
Bottled and canned soft drinks & water	5	482,414	841,615	3,245,666
Manufactured ice	<1	28,508	19,069	94,993
Breweries	2	55,573	109,014	469,770
Wineries	<1	8,536	14,827	87,017
Distilleries	<1	14,460	49,530	152,295
Tobacco product manufacturing	<1	39,863	1,026,893	1,961,934
Fiber, yarn, and thread mills	2	124,789	151,363	792,727
Broadwoven fabric mills	2	142,012	186,373	679,275
Narrow fabric mills and schiffli machine embroidery	<1	21,143	22,804	76,686
Nonwoven fabric mills	<1	30,194	42,933	172,348
Knit fabric mills	<1	3,736	4,446	15,627
Textile and fabric finishing mills	<1	772	953	9,723
Fabric coating mills	<1	782	904	5,807
Carpet and rug mills	2	108,423	148,342	691,463
Curtain and linen mills	<1	27,599	32,773	127,680
Textile bag and canvas mills	<1	48,085	59,521	182,975
Rope, cordage, twine, tire cord and tire fabric mills	<1	32,983	46,572	133,297
Other textile product mills	<1	43,147	49,180	140,041
Hosiery and sock mills	1	29,673	29,951	88,535
Other apparel knitting mills	<1	22,455	23,441	69,881
Cut and sew apparel contractors	<1	10,092	11,363	25,202
Men's and boys' cut and sew apparel manufacturing	<1	10,769	11,957	38,391
Women's and girls' cut and sew apparel manufacturing	<1	10,927	12,778	67,007
Other cut and sew apparel manufacturing	<1	5,455	6,446	24,834
Apparel accessories and other apparel manufacturing	<1	3,209	4,185	13,506
Leather and hide tanning and finishing	<1	11	26	1,208
Footwear manufacturing	<1	33	45	1,328
Other leather and allied product manufacturing	<1	197	300	8,622

## Appendix

Sawmills	5	441,553	883,217	2,910,428
Wood preservation	<1	46,162	157,477	539,337
Veneer and plywood manufacturing	1	98,437	173,545	514,785
Engineered wood member and truss manufacturing	<1	39,463	73,200	233,726
Reconstituted wood product manufacturing	<1	52,363	194,100	638,617
Wood windows and door manufacturing	5	349,111	510,319	1,491,869
Cut stock, resawing lumber, and planing	<1	73,730	165,099	438,375
Other millwork, including flooring	3	152,469	273,545	804,871
Wood container and pallet manufacturing	3	171,853	255,813	700,711
Manufactured home (mobile home) manufacturing	<1	2,571	3,946	10,663
Prefabricated wood building manufacturing	<1	25,079	49,371	132,858
All other miscellaneous wood product manufacturing	1	106,478	157,411	437,638
Pulp mills	<1	6,212	10,689	34,963
Paper mills	7	849,732	2,226,969	6,154,815
Paperboard mills	5	647,753	1,608,692	4,921,872
Paperboard container manufacturing	8	688,170	1,252,648	5,016,143
Paper bag and coated and treated paper manufacturing	2	221,235	406,462	1,182,543
Stationery product manufacturing	<1	21,479	30,386	152,228
Sanitary paper product manufacturing	<1	19,605	80,059	201,908
All other converted paper product manufacturing	<1	60,085	122,263	339,239
Printing	32	1,556,102	2,129,460	5,492,318
Support activities for printing	<1	28,930	39,205	65,447
Petroleum refineries	3	698,032	5,656,861	33,081,528
Asphalt paving mixture and block manufacturing	<1	32,439	46,464	242,722
Asphalt shingle and coating materials manufacturing	<1	74,997	264,681	728,791
Petroleum lubricating oil and grease manufacturing	4	579,374	1,412,584	4,730,161
All other petroleum and coal products manufacturing	<1	128,394	350,947	1,035,730
Petrochemical manufacturing	<1	119,695	1,455,186	4,894,340
Industrial gas manufacturing	1	171,559	476,297	1,361,250

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	126,129	266,539	742,498
Other basic organic chemical manufacturing	2	214,097	492,007	3,180,837
Plastics material and resin manufacturing	3	366,812	648,221	4,128,471
Synthetic rubber manufacturing	<1	5,573	7,770	35,900
Artificial and synthetic fibers and filaments manufacturing	3	358,423	503,007	2,126,601
Nitrogenous fertilizer manufacturing	<1	34,900	116,315	391,730
Phosphatic fertilizer manufacturing	<1	8,580	21,585	84,031
Fertilizer mixing	<1	16,422	32,566	108,392
Pesticide and other agricultural chemical manufacturing	1	196,601	640,835	2,212,577
Medicinal and botanical manufacturing	<1	22,760	32,963	98,016
Pharmaceutical preparation manufacturing	2	217,771	525,896	1,524,842
In-vitro diagnostic substance manufacturing	<1	5,815	7,678	21,563
Biological product (except diagnostic) manufacturing	<1	13,942	33,998	82,956
Paint and coating manufacturing	<1	80,265	154,369	661,415
Adhesive manufacturing	<1	8,530	13,094	56,195
Soap and other detergent manufacturing	<1	22,820	58,130	269,024
Polish and other sanitation good manufacturing	<1	35,833	56,573	216,166
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	8,980	24,366	102,696
Printing ink manufacturing	<1	6,973	7,394	30,564
Explosives manufacturing	<1	12,779	14,557	50,179
Custom compounding of purchased resins	<1	22,893	43,038	183,051
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	52,538	75,883	318,760
Plastics packaging materials and unlaminated film and sheet manufacturing	2	113,343	144,321	734,703
Unlaminated plastics profile shape manufacturing	<1	31,009	47,533	224,440
Plastics pipe and pipe fitting manufacturing	<1	55,415	96,495	521,332

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	30,824	39,569	147,705
Polystyrene foam product manufacturing	<1	55,365	75,258	365,445
Urethane and other foam product (except polystyrene) manufacturing	1	74,046	96,977	509,105
Plastics bottle manufacturing	<1	12,461	15,506	79,777
Other plastics product manufacturing	20	1,486,003	1,840,694	6,793,337
Tire manufacturing	7	652,650	780,718	2,930,371
Rubber and plastics hoses and belting manufacturing	<1	27,083	34,928	175,292
Other rubber product manufacturing	1	87,986	99,111	425,217
Pottery, ceramics, and plumbing fixture manufacturing	<1	552	1,148	4,061
Brick, tile, and other structural clay product manufacturing	<1	65,414	144,822	296,955
Flat glass manufacturing	<1	219	603	1,551
Other pressed and blown glass and glassware manufacturing	<1	76	169	458
Glass container manufacturing	<1	558	1,176	3,484
Glass product manufacturing made of purchased glass	2	170,471	411,373	856,369
Cement manufacturing	<1	65,379	211,801	458,409
Ready-mix concrete manufacturing	4	324,380	683,415	1,994,221
Concrete block and brick manufacturing	<1	56,115	132,000	295,293
Concrete pipe manufacturing	<1	13,469	29,374	61,309
Other concrete product manufacturing	2	125,596	233,889	532,155
Lime manufacturing	<1	50,625	151,467	327,973
Gypsum product manufacturing	<1	49,530	212,890	463,922
Abrasive product manufacturing	<1	16,474	51,119	77,169
Cut stone and stone product manufacturing	2	98,113	151,190	323,004
Ground or treated mineral and earth manufacturing	<1	42,713	140,130	271,061
Mineral wool manufacturing	<1	46,007	179,585	365,755
Miscellaneous nonmetallic mineral products manufacturing	<1	7,192	23,421	41,666
Iron and steel mills and ferroalloy manufacturing	3	489,425	1,224,407	5,983,557
Iron, steel pipe and tube manufacturing from purchased steel	<1	56,354	121,528	512,041

## Appendix

Rolled steel shape manufacturing	1	137,573	464,590	1,697,208
Steel wire drawing	<1	8,311	16,177	63,104
Alumina refining and primary aluminum production	<1	10,586	17,525	101,096
Secondary smelting and alloying of aluminum	<1	14,816	28,656	276,266
Aluminum sheet, plate, and foil manufacturing	<1	68,915	146,687	607,120
Other aluminum rolling, drawing and extruding	<1	17,767	25,285	120,909
Nonferrous metal (exc aluminum) smelting and refining	<1	4,000	23,647	86,771
Copper rolling, drawing, extruding and alloying	<1	57,523	116,256	1,146,320
Nonferrous metal, except copper and aluminum, shaping	<1	7,639	9,242	40,759
Secondary processing of other nonferrous metals	<1	3,454	6,725	40,212
Ferrous metal foundries	2	202,848	339,772	692,641
Nonferrous metal foundries	1	108,397	143,323	351,353
Custom roll forming	<1	7,025	10,214	51,340
Crown and closure manufacturing and metal stamping	<1	40,162	52,908	197,981
Iron and steel forging	<1	8,206	11,361	36,840
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	13,337	28,527	107,382
Handtool manufacturing	<1	23,688	38,953	92,537
Prefabricated metal buildings and components manufacturing	<1	65,607	94,910	363,913
Fabricated structural metal manufacturing	5	421,039	635,236	2,228,531
Plate work manufacturing	<1	61,487	70,412	235,711
Metal window and door manufacturing	1	84,876	119,472	381,297
Sheet metal work manufacturing	2	116,664	159,351	502,765
Ornamental and architectural metal work manufacturing	1	95,181	115,319	330,080
Power boiler and heat exchanger manufacturing	<1	1,947	2,703	7,453
Metal tank (heavy gauge) manufacturing	<1	25,441	31,429	93,625
Metal cans manufacturing	<1	10,657	20,126	100,787
Metal barrels, drums and pails manufacturing	<1	3,855	5,085	21,278
Hardware manufacturing	<1	31,242	46,249	198,139
Spring and wire product manufacturing	<1	41,481	54,692	168,370

## Appendix

Machine shops	7	516,593	612,913	1,348,165
Turned product and screw, nut, and bolt manufacturing	<1	70,186	90,065	236,325
Metal heat treating	<1	14,476	19,262	52,253
Metal coating and nonprecious engraving	<1	52,327	93,305	254,428
Electroplating, anodizing, and coloring metal	<1	40,585	44,287	106,252
Valve and fittings, other than plumbing, manufacturing	<1	69,127	104,303	342,857
Plumbing fixture fitting and trim manufacturing	<1	21,806	50,330	197,831
Ball and roller bearing manufacturing	<1	25,832	42,327	124,735
Small arms ammunition manufacturing	<1	9,581	22,445	78,227
Ammunition, except for small arms, manufacturing	<1	7,800	8,734	21,545
Small arms, ordnance, and accessories manufacturing	<1	2,669	5,671	22,256
Fabricated pipe and pipe fitting manufacturing	<1	49,968	62,557	171,888
Other fabricated metal manufacturing	<1	60,460	80,293	238,484
Farm machinery and equipment manufacturing	<1	28,221	46,271	218,516
Lawn and garden equipment manufacturing	<1	11,655	18,068	96,114
Construction machinery manufacturing	<1	16,858	33,072	127,753
Mining machinery and equipment manufacturing	<1	412	514	1,756
Oil and gas field machinery and equipment manufacturing	<1	4,471	5,200	15,928
Semiconductor machinery manufacturing	<1	1,318	1,475	5,719
Food product machinery manufacturing	<1	43	47	265
Sawmill, woodworking, and paper machinery	<1	6,141	6,683	21,218
Printing machinery and equipment manufacturing	<1	88	93	312
All other industrial machinery manufacturing	<1	553	637	1,894
Optical instrument and lens manufacturing	<1	2,155	2,687	8,187
Photographic and photocopying equipment manufacturing	<1	447	506	1,834
Other commercial service industry machinery manufacturing	<1	6,430	8,804	33,258

## Appendix

Air purification and ventilation equipment manufacturing	<1	12,903	15,301	40,944
Heating equipment (except warm air furnaces) manufacturing	<1	29,735	40,382	168,207
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	26,716	37,638	149,938
Industrial mold manufacturing	<1	2,574	2,888	7,503
Special tool, die, jig, and fixture manufacturing	<1	4,214	4,939	11,615
Cutting tool and machine tool accessory manufacturing	<1	2,741	2,992	7,556
Machine tool manufacturing	<1	822	957	3,077
Rolling mill and other metalworking machinery manufacturing	<1	1,212	1,460	4,383
Turbine and turbine generator set units manufacturing	<1	903	954	3,361
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,938	4,750	14,677
Mechanical power transmission equipment manufacturing	<1	19,467	23,972	68,945
Other engine equipment manufacturing	<1	67,025	117,007	757,865
Pump and pumping equipment manufacturing	<1	91	129	987
Air and gas compressor manufacturing	<1	1,464	1,753	6,083
Elevator and moving stairway manufacturing	<1	727	842	3,020
Conveyor and conveying equipment manufacturing	<1	3,457	3,761	11,277
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,882	2,807	10,821
Industrial truck, trailer, and stacker manufacturing	<1	4,600	6,342	30,214
Power-driven handtool manufacturing	<1	425	829	2,324
Welding and soldering equipment manufacturing	<1	439	541	1,761
Packaging machinery manufacturing	<1	968	1,226	3,855
Industrial process furnace and oven manufacturing	<1	535	591	1,618
Fluid power cylinder and actuator manufacturing	<1	3,775	4,752	14,124
Fluid power pump and motor manufacturing	<1	621	831	3,049

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2,100	2,354	7,823
Electronic computer manufacturing	<1	26,214	33,410	220,666
Computer storage device manufacturing	<1	7,423	10,113	50,578
Computer terminals and other computer peripheral equipment manufacturing	<1	13,351	16,986	66,135
Telephone apparatus manufacturing	<1	17,396	24,745	84,417
Broadcast and wireless communications equipment manufacturing	<1	1,073	1,280	4,744
Other communications equipment manufacturing	<1	4,072	5,498	21,254
Audio and video equipment manufacturing	<1	76	107	444
Printed circuit assembly (electronic assembly) manufacturing	<1	37,990	49,288	214,868
Bare printed circuit board manufacturing	<1	17,820	20,307	56,041
Semiconductor and related device manufacturing	<1	480	642	2,963
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,213	1,387	4,895
Electronic connector manufacturing	<1	16,811	19,731	69,002
Other electronic component manufacturing	<1	20,458	23,066	84,478
Electromedical and electrotherapeutic apparatus manufacturing	<1	430	577	1,592
Search, detection, and navigation instruments manufacturing	<1	427	568	2,175
Automatic environmental control manufacturing	<1	51,600	61,254	140,899
Industrial process variable instruments manufacturing	<1	3,025	3,707	10,724
Totalizing fluid meter and counting device manufacturing	<1	17,300	28,229	75,472
Electricity and signal testing instruments manufacturing	<1	520	583	1,650
Analytical laboratory instrument manufacturing	<1	35,396	49,136	126,222
Irradiation apparatus manufacturing	<1	241	349	1,205



Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	978	1,211	4,994
Blank magnetic and optical recording media manufacturing	<1	17,086	40,041	302,231
Software and other prerecorded and record reproducing	<1	28,584	36,335	131,280
Electric lamp bulb and part manufacturing	<1	3,620	5,422	19,005
Lighting fixture manufacturing	<1	12,376	15,657	69,058
Small electrical appliance manufacturing	<1	17,076	31,239	118,005
Household cooking appliance manufacturing	<1	60,296	128,034	484,165
Household refrigerator and home freezer manufacturing	<1	74,326	147,754	517,873
Household laundry equipment manufacturing	2	225,365	347,491	1,488,285
Other major household appliance manufacturing	<1	35,776	81,232	257,175
Power, distribution, and specialty transformer manufacturing	<1	9,325	11,764	34,949
Motor and generator manufacturing	<1	10,067	16,334	61,779
Switchgear and switchboard apparatus manufacturing	<1	65,778	103,961	343,871
Relay and industrial control manufacturing	<1	4,304	5,319	16,404
Storage battery manufacturing	<1	52,528	76,040	286,762
Primary battery manufacturing	<1	6,795	-34,688	20,888
Fiber optic cable manufacturing	<1	50,011	68,116	342,589
Other communication and energy wire manufacturing	<1	4,322	7,040	38,332
Wiring device manufacturing	<1	28,409	50,602	152,511
Carbon and graphite product manufacturing	7	718,956	983,150	3,108,791
All other miscellaneous electrical equipment and component manufacturing	<1	373	415	1,131
Automobile manufacturing	7	717,685	1,350,390	9,653,254
Light truck and utility vehicle manufacturing	2	153,400	290,003	3,026,534
Heavy duty truck manufacturing	<1	24,112	37,291	264,941
Motor vehicle body manufacturing	<1	27,448	31,455	112,336
Truck trailer manufacturing	<1	1,299	1,426	7,016
Motor home manufacturing	5	373,410	523,802	2,531,812
Travel trailer and camper manufacturing	3	229,549	247,039	1,293,979

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	4	327,169	413,308	2,358,623
Motor vehicle electrical and electronic equipment manufacturing	6	478,369	542,630	2,900,026
Motor vehicle transmission and power train parts manufacturing	5	371,888	438,408	2,744,187
Motor vehicle seating and interior trim manufacturing	3	198,189	212,633	1,319,270
Motor vehicle metal stamping	8	678,583	765,580	3,194,979
Other motor vehicle parts manufacturing	7	525,341	591,517	3,443,744
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	3	310,224	378,103	1,877,396
Aircraft manufacturing	<1	2,669	5,453	12,311
Aircraft engine and engine parts manufacturing	<1	5,178	18,151	35,192
Other aircraft parts and auxiliary equipment manufacturing	<1	6,415	10,790	21,561
Guided missile and space vehicle manufacturing	<1	10,237	23,897	42,014
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	7,627	13,731	22,858
Railroad rolling stock manufacturing	<1	2,502	2,860	12,122
Ship building and repairing	<1	21,833	35,855	70,457
Boat building	<1	48,127	88,829	248,307
Motorcycle, bicycle, and parts manufacturing	1	90,963	489,283	888,072
Military armored vehicle, tank, and tank component manufacturing	5	455,132	1,465,046	3,276,712
All other transportation equipment manufacturing	2	136,922	395,400	1,256,474
Wood kitchen cabinet and countertop manufacturing	5	260,382	347,634	900,375
Upholstered household furniture manufacturing	<1	38,478	43,863	142,589
Nonupholstered wood household furniture manufacturing	<1	20,113	24,235	86,010
Other household nonupholstered furniture manufacturing	<1	15,330	27,399	122,412
Institutional furniture manufacturing	<1	2,448	2,627	9,435
Wood office furniture manufacturing	<1	913	1,173	4,041

## Appendix

Custom architectural woodwork and millwork	<1	1,746	1,739	5,681
Office furniture, except wood, manufacturing	<1	8,977	15,335	46,366
Showcase, partition, shelving, and locker manufacturing	<1	30,770	43,810	126,042
Mattress manufacturing	<1	8,238	16,027	71,991
Blind and shade manufacturing	<1	870	890	4,323
Surgical and medical instrument manufacturing	<1	45,570	55,477	134,989
Surgical appliance and supplies manufacturing	<1	67,767	95,239	274,652
Dental equipment and supplies manufacturing	<1	601	765	2,034
Ophthalmic goods manufacturing	<1	4,210	5,644	13,114
Dental laboratories	<1	52,578	55,582	108,203
Jewelry and silverware manufacturing	<1	43,871	75,781	224,761
Sporting and athletic goods manufacturing	<1	74,020	88,535	309,577
Doll, toy, and game manufacturing	<1	1,105	1,456	6,343
Office supplies (except paper) manufacturing	19	1,489,919	2,096,871	6,542,019
Sign manufacturing	3	274,244	251,893	621,062
Gasket, packing, and sealing device manufacturing	<1	40,159	42,415	101,422
Musical instrument manufacturing	<1	1,705	1,799	3,885
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	3,415	4,086	10,831
Burial casket manufacturing	<1	29,362	38,019	101,783
All other miscellaneous manufacturing	1	106,033	127,181	359,242
Wholesale - Motor vehicle and motor vehicle parts and supplies	10	774,271	1,757,773	4,064,518
Wholesale - Professional and commercial equipment and supplies	26	2,920,958	4,603,933	8,606,750
Wholesale - Household appliances and electrical and electronic goods	17	1,767,842	4,590,444	10,212,244
Wholesale - Machinery, equipment, and supplies	23	2,241,113	4,400,328	8,082,153
Wholesale - Other durable goods merchant wholesalers	40	3,618,583	6,909,946	14,227,687

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	10	1,397,850	3,680,400	8,640,080
Wholesale - Grocery and related product wholesalers	50	3,830,351	6,021,466	12,571,655
Wholesale - Petroleum and petroleum products	7	589,135	10,361,281	12,691,029
Wholesale - Other nondurable goods merchant wholesalers	52	3,987,324	9,481,277	19,401,197
Wholesale - Wholesale electronic markets and agents and brokers	39	5,145,682	5,930,493	6,984,567
Retail - Motor vehicle and parts dealers	82	5,904,443	8,562,653	12,233,225
Retail - Furniture and home furnishings stores	52	2,512,299	3,494,352	6,003,966
Retail - Electronics and appliance stores	50	2,857,927	2,486,824	4,493,863
Retail - Building material and garden equipment and supplies stores	66	3,346,340	6,450,883	9,282,557
Retail - Food and beverage stores	200	7,134,843	10,223,353	17,354,951
Retail - Health and personal care stores	114	5,155,107	6,655,112	10,464,476
Retail - Gasoline stores	76	2,868,758	6,235,525	12,170,997
Retail - Clothing and clothing accessories stores	108	2,855,229	5,230,213	12,155,923
Retail - Sporting goods, hobby, musical instrument and book stores	71	2,018,649	2,810,288	4,979,194
Retail - General merchandise stores	209	7,696,099	12,563,711	21,063,708
Retail - Miscellaneous store retailers	172	4,121,817	4,443,251	8,385,657
Retail - Nonstore retailers	173	4,235,115	23,168,684	38,642,124
Air transportation	8	627,991	1,617,210	3,779,553
Rail transportation	8	1,145,934	3,114,997	5,625,295
Water transportation	5	517,664	1,171,078	3,939,859
Truck transportation	141	9,865,349	14,719,361	31,927,147
Transit and ground passenger transportation	61	1,074,803	1,147,194	2,171,181
Pipeline transportation	3	1,576,649	2,443,641	3,966,829
Scenic and sightseeing transportation and support activities for transportation	109	9,346,448	8,128,422	12,465,476
Couriers and messengers	146	3,594,579	7,793,398	9,554,304
Warehousing and storage	146	7,125,993	7,541,252	14,930,071
Newspaper publishers	13	959,537	1,485,653	2,268,762
Periodical publishers	11	1,236,441	1,755,408	3,071,036
Book publishers	2	225,528	533,000	1,212,199

## Appendix

Directory, mailing list, and other publishers	<1	43,624	90,137	217,793
Greeting card publishing	0	0	0	0
Software publishers	73	9,543,825	16,847,261	25,851,817
Motion picture and video industries	17	983,088	1,400,273	4,299,905
Sound recording industries	2	97,872	534,320	1,177,148
Radio and television broadcasting	36	5,661,178	7,981,384	22,769,627
Cable and other subscription programming	1	195,266	953,358	3,105,122
Wired telecommunications carriers	35	3,401,086	7,922,312	15,675,505
Wireless telecommunications carriers (except satellite)	9	833,204	6,644,064	18,679,368
Satellite, telecommunications resellers, and all other telecommunications	7	742,536	1,048,330	2,644,181
Data processing, hosting, and related services	32	3,288,545	5,241,622	19,069,708
News syndicates, libraries, archives and all other information services	3	219,738	272,319	897,171
Internet publishing and broadcasting and web search portals	29	3,370,139	6,385,143	36,885,281
Nondepository credit intermediation and related activities	62	5,749,596	6,128,016	10,421,598
Securities and commodity contracts intermediation and brokerage	161	8,544,010	8,264,406	19,070,746
Monetary authorities and depository credit intermediation	262	28,015,969	79,036,341	122,541,638
Other financial investment activities	77	3,403,988	4,167,804	13,554,035
Direct life insurance carriers	20	2,040,817	4,302,586	6,450,877
Insurance carriers, except direct life	82	7,827,256	25,232,800	53,751,585
Insurance agencies, brokerages, and related activities	111	9,859,240	15,576,285	36,867,607
Funds, trusts, and other financial vehicles	45	1,613,056	1,811,183	9,653,579
Other real estate	1,148	23,691,488	92,149,346	236,247,861
Tenant-occupied housing	91	1,788,923	18,561,179	20,845,959
Owner-occupied dwellings	0	0	117,816,925	142,185,518
Automotive equipment rental and leasing	23	1,762,222	6,748,571	8,395,618

## Appendix

General and consumer goods rental except video tapes and discs	23	1,515,826	2,896,126	4,174,573
Video tape and disc rental	7	365,555	631,834	1,063,406
Commercial and industrial machinery and equipment rental and leasing	20	2,067,541	6,249,115	7,835,954
Lessors of nonfinancial intangible assets	4	127,957	5,576,387	6,066,340
Legal services	378	37,926,043	66,706,233	91,571,815
Accounting, tax preparation, bookkeeping, and payroll services	146	11,796,119	14,506,580	23,531,329
Architectural, engineering, and related services	169	17,079,732	18,483,622	32,343,552
Specialized design services	10	667,407	1,039,968	2,096,965
Custom computer programming services	36	3,372,901	3,633,004	5,203,511
Computer systems design services	84	9,007,599	8,323,883	10,834,381
Other computer related services, including facilities management	14	1,231,047	1,655,533	3,396,567
Management consulting services	467	42,515,501	43,568,837	73,332,861
Environmental and other technical consulting services	47	4,182,621	4,577,167	7,550,624
Scientific research and development services	6,808	680,284,364	848,987,216	1,681,028,543
Advertising, public relations, and related services	76	5,435,215	8,357,697	19,804,743
Photographic services	9	422,418	947,653	2,292,111
Veterinary services	23	1,131,188	1,249,696	2,082,442
Marketing research and all other miscellaneous professional, scientific, and technical services	1,116	107,598,566	193,436,841	381,204,305
Management of companies and enterprises	320	36,609,438	41,889,794	72,153,105
Office administrative services	85	5,074,325	680,924	5,149,660
Facilities support services	24	1,072,251	1,339,492	3,935,868
Employment services	1,394	56,442,269	70,277,817	139,180,245
Business support services	142	5,745,376	4,611,398	10,068,930
Travel arrangement and reservation services	15	766,873	1,036,384	4,253,117
Investigation and security services	142	5,095,373	5,140,989	8,167,878
Services to buildings	203	6,613,694	8,321,031	20,325,708
Landscape and horticultural services	100	3,972,520	4,556,403	9,778,962
Other support services	40	1,494,357	1,767,453	4,871,719
Waste management and remediation services	36	2,773,628	4,827,231	9,994,930

## Appendix

Elementary and secondary schools	80	3,261,053	2,474,991	3,227,328
Junior colleges, colleges, universities, and professional schools	96	3,419,680	4,116,911	6,462,562
Other educational services	45	1,962,766	2,097,984	4,307,519
Offices of physicians	319	35,854,825	35,889,314	51,637,955
Offices of dentists	83	6,194,126	6,953,101	9,496,903
Offices of other health practitioners	91	5,784,037	7,676,502	9,947,083
Outpatient care centers	81	8,134,873	7,956,522	11,560,761
Medical and diagnostic laboratories	30	2,375,087	3,279,394	4,785,746
Home health care services	71	4,789,154	4,731,833	5,799,707
Other ambulatory health care services	30	2,089,567	2,321,313	3,622,272
Hospitals	295	30,328,288	35,391,363	62,904,325
Nursing and community care facilities	127	6,090,501	6,567,492	11,013,718
Residential mental retardation, mental health, substance abuse and other facilities	61	2,684,324	2,790,031	4,432,885
Individual and family services	189	5,755,725	4,795,800	7,165,397
Child day care services	95	2,989,349	3,710,121	5,264,076
Community food, housing, and other relief services, including rehabilitation services	41	1,458,496	1,347,358	3,216,300
Performing arts companies	37	630,241	1,154,234	3,032,257
Commercial Sports Except Racing	34	611,752	663,836	1,583,540
Racing and Track Operation	7	152,317	309,543	674,785
Independent artists, writers, and performers	20	304,707	885,770	1,903,661
Promoters of performing arts and sports and agents for public figures	45	726,949	1,860,684	5,895,261
Museums, historical sites, zoos, and parks	8	294,342	366,276	734,219
Amusement parks and arcades	5	101,438	132,790	192,636
Gambling industries (except casino hotels)	19	553,403	2,096,103	2,928,160
Other amusement and recreation industries	51	1,366,556	1,268,613	1,979,908
Fitness and recreational sports centers	39	693,499	752,879	1,521,110
Bowling centers	5	122,385	159,695	296,777
Hotels and motels, including casino hotels	25	833,182	1,754,424	2,817,898
Other accommodations	7	309,435	373,785	505,785

## Appendix

Full-service restaurants	466	13,098,996	20,841,349	41,679,978
Limited-service restaurants	437	10,455,892	17,281,620	42,366,260
All other food and drinking places	289	9,541,985	13,950,329	22,919,490
Automotive repair and maintenance, except car washes	162	8,939,253	11,482,970	16,653,804
Car washes	81	5,019,992	7,495,529	11,174,316
Electronic and precision equipment repair and maintenance	73	4,751,210	5,750,724	10,246,629
Commercial and industrial machinery and equipment repair and maintenance	62	4,080,711	4,697,063	7,692,944
Personal and household goods repair and maintenance	23	1,021,849	2,886,941	3,848,067
Personal care services	143	3,424,836	2,958,600	3,638,831
Death care services	30	781,620	732,180	1,027,588
Dry-cleaning and laundry services	84	2,212,232	1,969,536	2,546,020
Other personal services	80	2,081,338	3,149,044	4,578,174
Religious organizations	106	5,332,603	3,953,428	10,309,479
Grantmaking, giving, and social advocacy organizations	25	1,211,100	7,385,776	9,626,287
Business and professional associations	20	1,506,725	3,922,335	5,850,073
Labor and civic organizations	28	1,002,927	5,664,372	7,798,792
Private households	74	1,093,393	1,093,393	1,093,393
Postal service	56	5,219,407	5,243,104	5,245,191
Federal electric utilities	3	730,029	1,783,137	4,575,750
Other federal government enterprises	5	240,471	387,691	1,159,471
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	16	1,695,043	2,508,229	5,055,124
Local government passenger transit	33	1,840,290	249,049	1,307,771
Local government electric utilities	7	716,794	2,036,437	4,838,107
Other local government enterprises	81	7,034,157	14,075,423	35,540,397
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	941	172,289,647	241,430,240	441,449,440

## Investments in Climate Change Research and Technology

**Table 630: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,596</i>	<i>112,593,907</i>	<i>168,742,294</i>	<i>327,556,085</i>
Oilseed farming	<1	40,024	63,786	74,485
Grain farming	<1	44,333	66,129	152,705
Vegetable and melon farming	<1	19,454	29,142	36,409
Fruit farming	<1	5,448	6,749	7,023
Tree nut farming	<1	2,562	3,461	3,669
Greenhouse, nursery, and floriculture production	<1	18,331	31,486	54,762
Tobacco farming	0	0	0	0
Cotton farming	<1	11,102	19,033	34,799
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	4	37,020	56,419	91,252
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	1	47,032	68,569	115,228
Dairy cattle and milk production	<1	629	974	3,338
Poultry and egg production	1	40,091	72,941	899,391
Animal production, except cattle and poultry and eggs	2	204,064	279,599	315,893
Forestry, forest products, and timber tract production	<1	8,667	9,467	13,956

Appendix

Commercial logging	1	50,956	56,309	96,953
Commercial fishing	<1	-1,323	12,049	14,121
Commercial hunting and trapping	<1	152	1,111	2,463
Support activities for agriculture and forestry	2	120,420	110,550	120,625
Oil and gas extraction	<1	28,679	191,608	722,881
Coal mining	<1	96,596	290,528	434,395
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	1,295	2,904	7,713
Gold ore mining	<1	348	1,016	2,523
Silver ore mining	<1	125	260	660
Uranium-radium-vanadium ore mining	<1	2,657	9,695	18,088
Other metal ore mining	<1	1,435	3,035	6,296
Stone mining and quarrying	<1	26,609	112,577	175,571
Sand and gravel mining	<1	19,683	36,170	69,148
Other clay, ceramic, refractory minerals mining	<1	1,683	3,299	6,309
Potash, soda, and borate mineral mining	<1	64	95	180
Phosphate rock mining	<1	18	34	65
Other chemical and fertilizer mineral mining	<1	5	7	15
Other nonmetallic minerals	<1	142	259	492
Drilling oil and gas wells	<1	4	8	26
Support activities for oil and gas operations	<1	270	379	915
Metal mining services	<1	161	1,470	5,899
Other nonmetallic minerals services	<1	217	459	2,518
Electric power generation - Hydroelectric	<1	9,148	21,177	38,198
Electric power generation - Fossil fuel	<1	119,915	475,220	1,089,722
Electric power generation - Nuclear	<1	98,835	209,590	417,565
Electric power generation - Solar	<1	1,077	2,526	4,793
Electric power generation - Wind	<1	590	5,170	9,032
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,333	3,838	9,528
Electric power generation - All other	<1	1,683	-893	655
Electric power transmission and distribution	2	352,798	1,310,699	3,066,268

## Appendix

Natural gas distribution	<1	73,151	276,179	675,711
Water, sewage and other systems	<1	14,401	33,379	67,421
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	75	4,782,140	4,900,624	10,773,554
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	264,872	382,863	1,046,156
Maintenance and repair construction of residential structures	2	131,405	184,809	478,583
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	51	74	201
Dog and cat food manufacturing	<1	14,822	35,206	161,054
Other animal food manufacturing	<1	9,305	15,880	152,558
Flour milling	<1	4,699	9,294	58,882
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	34,007	66,179	470,434
Soybean and other oilseed processing	<1	1,245	6,956	76,631
Fats and oils refining and blending	<1	855	2,090	23,348
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	7	19	229
Nonchocolate confectionery manufacturing	<1	794	1,089	7,293

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	6	9	103
Confectionery manufacturing from purchased chocolate	<1	216	303	3,317
Frozen fruits, juices and vegetables manufacturing	<1	2,628	5,091	34,470
Frozen specialties manufacturing	<1	1,233	1,645	11,282
Canned fruits and vegetables manufacturing	<1	1,156	2,088	9,961
Canned specialties	<1	679	1,476	10,835
Dehydrated food products manufacturing	<1	94	166	1,070
Cheese manufacturing	<1	58	79	1,118
Dry, condensed, and evaporated dairy product manufacturing	<1	85	191	1,547
Fluid milk manufacturing	<1	3,526	5,257	24,560
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	6,163	8,382	38,410
Frozen cakes and other pastries manufacturing	<1	7,648	11,357	22,820
Poultry processing	3	209,651	248,944	1,218,325
Animal, except poultry, slaughtering	<1	3,000	3,909	34,407
Meat processed from carcasses	<1	7,454	7,686	64,403
Rendering and meat byproduct processing	<1	1,273	1,402	9,233
Seafood product preparation and packaging	<1	7,425	9,685	71,423
Bread and bakery product, except frozen, manufacturing	<1	24,692	35,558	97,494
Cookie and cracker manufacturing	<1	1,422	1,912	8,297
Dry pasta, mixes, and dough manufacturing	<1	1,230	2,638	11,463
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	3,907	9,527	35,483
Other snack food manufacturing	<1	5,243	11,549	51,464
Coffee and tea manufacturing	<1	3,976	6,738	27,693
Flavoring syrup and concentrate manufacturing	<1	180	1,200	2,229
Mayonnaise, dressing, and sauce manufacturing	<1	1,149	2,106	12,485
Spice and extract manufacturing	<1	1,920	2,952	17,089
All other food manufacturing	<1	3,123	4,260	18,605
Bottled and canned soft drinks & water	<1	40,382	68,093	264,470
Manufactured ice	<1	2,018	1,297	7,133

## Appendix

Breweries	<1	4,034	7,424	32,394
Wineries	<1	480	814	4,878
Distilleries	<1	1,277	3,693	11,897
Tobacco product manufacturing	<1	2,934	52,422	112,941
Fiber, yarn, and thread mills	<1	8,522	9,908	55,558
Broadwoven fabric mills	<1	11,802	14,601	57,287
Narrow fabric mills and schiffli machine embroidery	<1	1,709	1,807	6,237
Nonwoven fabric mills	<1	1,126	1,528	7,007
Knit fabric mills	<1	130	153	549
Textile and fabric finishing mills	<1	32	39	415
Fabric coating mills	<1	50	58	404
Carpet and rug mills	<1	10,422	13,516	70,673
Curtain and linen mills	<1	1,989	2,281	9,626
Textile bag and canvas mills	<1	3,621	4,286	14,000
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,006	3,699	12,094
Other textile product mills	<1	3,233	3,571	10,846
Hosiery and sock mills	<1	2,188	2,159	7,090
Other apparel knitting mills	<1	1,714	1,737	5,737
Cut and sew apparel contractors	<1	523	587	1,353
Men's and boys' cut and sew apparel manufacturing	<1	600	654	2,271
Women's and girls' cut and sew apparel manufacturing	<1	640	705	4,212
Other cut and sew apparel manufacturing	<1	311	361	1,500
Apparel accessories and other apparel manufacturing	<1	208	262	965
Leather and hide tanning and finishing	<1	0	1	108
Footwear manufacturing	<1	3	4	124
Other leather and allied product manufacturing	<1	15	22	692
Sawmills	<1	76,207	156,904	507,958
Wood preservation	<1	10,334	36,336	114,120
Veneer and plywood manufacturing	<1	27,960	49,815	143,147
Engineered wood member and truss manufacturing	<1	8,777	16,763	52,892
Reconstituted wood product manufacturing	<1	15,931	59,019	190,240
Wood windows and door manufacturing	<1	34,047	50,927	151,040
Cut stock, resawing lumber, and planing	<1	9,028	21,868	54,995

## Appendix

Other millwork, including flooring	<1	16,006	30,196	88,300
Wood container and pallet manufacturing	<1	13,440	20,703	56,785
Manufactured home (mobile home) manufacturing	<1	787	1,207	3,421
Prefabricated wood building manufacturing	<1	13,354	26,925	73,063
All other miscellaneous wood product manufacturing	<1	6,218	10,153	29,525
Pulp mills	<1	696	1,302	3,965
Paper mills	<1	59,995	201,758	475,274
Paperboard mills	<1	56,048	159,878	434,768
Paperboard container manufacturing	<1	39,928	75,329	292,432
Paper bag and coated and treated paper manufacturing	<1	13,848	27,673	82,066
Stationery product manufacturing	<1	1,233	1,818	9,758
Sanitary paper product manufacturing	<1	1,734	7,444	17,566
All other converted paper product manufacturing	<1	3,480	7,679	20,383
Printing	2	82,852	108,808	302,204
Support activities for printing	<1	1,024	1,357	2,367
Petroleum refineries	<1	69,585	500,181	3,146,017
Asphalt paving mixture and block manufacturing	<1	5,557	7,484	41,926
Asphalt shingle and coating materials manufacturing	<1	10,542	32,085	97,412
Petroleum lubricating oil and grease manufacturing	<1	5,360	12,627	56,417
All other petroleum and coal products manufacturing	<1	14,372	38,564	131,874
Petrochemical manufacturing	<1	18,795	172,419	718,503
Industrial gas manufacturing	<1	14,294	34,874	106,647
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	9,568	17,386	51,629
Other basic organic chemical manufacturing	<1	23,739	47,991	316,977
Plastics material and resin manufacturing	<1	38,055	57,425	379,417
Synthetic rubber manufacturing	<1	772	1,004	4,430
Artificial and synthetic fibers and filaments manufacturing	<1	15,400	21,390	92,701
Nitrogenous fertilizer manufacturing	<1	2,252	7,016	30,618

## Appendix

Phosphatic fertilizer manufacturing	<1	1,074	2,504	9,996
Fertilizer mixing	<1	1,892	3,442	12,310
Pesticide and other agricultural chemical manufacturing	<1	14,941	42,353	150,916
Medicinal and botanical manufacturing	<1	1,119	1,611	5,173
Pharmaceutical preparation manufacturing	<1	13,929	30,580	95,098
In-vitro diagnostic substance manufacturing	<1	237	322	889
Biological product (except diagnostic) manufacturing	<1	468	1,227	3,185
Paint and coating manufacturing	<1	8,729	14,967	65,961
Adhesive manufacturing	<1	527	768	3,452
Soap and other detergent manufacturing	<1	1,187	2,810	15,322
Polish and other sanitation good manufacturing	<1	1,997	2,966	12,047
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	597	1,488	6,566
Printing ink manufacturing	<1	402	431	1,776
Explosives manufacturing	<1	1,995	2,207	7,545
Custom compounding of purchased resins	<1	1,238	1,824	9,116
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	2,255	3,213	13,214
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6,982	8,877	47,246
Unlaminated plastics profile shape manufacturing	<1	2,149	3,281	16,295
Plastics pipe and pipe fitting manufacturing	<1	9,048	15,236	82,516
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2,933	3,698	14,448
Polystyrene foam product manufacturing	<1	5,306	6,996	35,897
Urethane and other foam product (except polystyrene) manufacturing	<1	6,589	8,441	46,087
Plastics bottle manufacturing	<1	783	970	5,180
Other plastics product manufacturing	2	117,315	140,146	547,075
Tire manufacturing	<1	61,496	69,770	280,622

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	2,651	3,359	16,801
Other rubber product manufacturing	<1	4,678	5,229	22,063
Pottery, ceramics, and plumbing fixture manufacturing	<1	88	182	654
Brick, tile, and other structural clay product manufacturing	<1	12,979	30,167	60,212
Flat glass manufacturing	<1	35	99	259
Other pressed and blown glass and glassware manufacturing	<1	4	10	26
Glass container manufacturing	<1	40	84	249
Glass product manufacturing made of purchased glass	<1	12,714	31,885	64,255
Cement manufacturing	<1	13,002	44,087	93,557
Ready-mix concrete manufacturing	<1	68,264	149,634	425,877
Concrete block and brick manufacturing	<1	15,078	37,237	81,865
Concrete pipe manufacturing	<1	16,955	37,734	74,915
Other concrete product manufacturing	<1	65,176	125,903	273,605
Lime manufacturing	<1	5,136	17,030	34,446
Gypsum product manufacturing	<1	5,783	26,046	56,009
Abrasive product manufacturing	<1	1,635	5,294	7,865
Cut stone and stone product manufacturing	<1	8,716	13,735	29,050
Ground or treated mineral and earth manufacturing	<1	3,571	12,989	24,177
Mineral wool manufacturing	<1	6,519	27,594	56,672
Miscellaneous nonmetallic mineral products manufacturing	<1	3,342	11,926	21,271
Iron and steel mills and ferroalloy manufacturing	<1	71,871	182,318	912,991
Iron, steel pipe and tube manufacturing from purchased steel	<1	8,231	18,339	76,346
Rolled steel shape manufacturing	<1	19,830	70,087	241,119
Steel wire drawing	<1	1,153	2,352	8,949
Alumina refining and primary aluminum production	<1	767	1,280	7,095
Secondary smelting and alloying of aluminum	<1	1,427	2,885	28,242
Aluminum sheet, plate, and foil manufacturing	<1	7,445	16,091	66,138
Other aluminum rolling, drawing and extruding	<1	1,417	2,099	9,991
Nonferrous metal (exc aluminum) smelting and refining	<1	437	3,241	10,634



## Appendix

Copper rolling, drawing, extruding and alloying	<1	6,800	14,669	149,144
Nonferrous metal, except copper and aluminum, shaping	<1	525	643	2,862
Secondary processing of other nonferrous metals	<1	356	753	4,359
Ferrous metal foundries	<1	23,058	39,591	79,614
Nonferrous metal foundries	<1	7,077	9,575	23,820
Custom roll forming	<1	509	737	3,636
Crown and closure manufacturing and metal stamping	<1	3,918	5,146	19,782
Iron and steel forging	<1	1,158	1,582	5,346
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	795	1,783	6,933
Handtool manufacturing	<1	1,650	2,656	6,681
Prefabricated metal buildings and components manufacturing	<1	56,149	85,564	314,432
Fabricated structural metal manufacturing	<1	55,623	82,751	296,219
Plate work manufacturing	<1	5,923	6,706	23,477
Metal window and door manufacturing	<1	12,158	16,910	56,949
Sheet metal work manufacturing	<1	13,643	18,782	62,227
Ornamental and architectural metal work manufacturing	<1	15,670	19,164	56,749
Power boiler and heat exchanger manufacturing	<1	188	256	715
Metal tank (heavy gauge) manufacturing	<1	4,645	5,661	18,032
Metal cans manufacturing	<1	737	1,378	7,001
Metal barrels, drums and pails manufacturing	<1	247	324	1,397
Hardware manufacturing	<1	3,092	4,597	20,126
Spring and wire product manufacturing	<1	4,007	5,279	16,502
Machine shops	<1	50,580	60,096	135,924
Turned product and screw, nut, and bolt manufacturing	<1	6,492	8,329	22,408
Metal heat treating	<1	1,868	2,456	6,609
Metal coating and nonprecious engraving	<1	7,731	13,517	37,802
Electroplating, anodizing, and coloring metal	<1	4,361	4,745	11,480
Valve and fittings, other than plumbing, manufacturing	<1	30,300	45,950	166,779
Plumbing fixture fitting and trim manufacturing	<1	2,628	6,213	23,677

## Appendix

Ball and roller bearing manufacturing	<1	1,780	2,923	8,712
Small arms ammunition manufacturing	<1	643	1,467	5,471
Ammunition, except for small arms, manufacturing	<1	812	908	2,312
Small arms, ordnance, and accessories manufacturing	<1	195	417	1,754
Fabricated pipe and pipe fitting manufacturing	<1	12,258	15,412	42,852
Other fabricated metal manufacturing	<1	6,036	8,016	24,469
Farm machinery and equipment manufacturing	<1	1,833	2,891	14,432
Lawn and garden equipment manufacturing	<1	582	872	4,947
Construction machinery manufacturing	<1	1,650	3,049	13,555
Mining machinery and equipment manufacturing	<1	58	74	258
Oil and gas field machinery and equipment manufacturing	<1	826	983	2,776
Semiconductor machinery manufacturing	<1	80	91	345
Food product machinery manufacturing	<1	5	6	31
Sawmill, woodworking, and paper machinery	<1	265	288	968
Printing machinery and equipment manufacturing	<1	7	8	25
All other industrial machinery manufacturing	<1	42	49	141
Optical instrument and lens manufacturing	<1	129	168	505
Photographic and photocopying equipment manufacturing	<1	52	59	218
Other commercial service industry machinery manufacturing	<1	1,594	2,210	8,067
Air purification and ventilation equipment manufacturing	<1	1,716	2,031	5,603
Heating equipment (except warm air furnaces) manufacturing	<1	2,750	3,701	16,264
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,988	4,401	17,954
Industrial mold manufacturing	<1	197	222	615
Special tool, die, jig, and fixture manufacturing	<1	278	333	808

Appendix

Cutting tool and machine tool accessory manufacturing	<1	149	163	422
Machine tool manufacturing	<1	67	78	253
Rolling mill and other metalworking machinery manufacturing	<1	112	136	428
Turbine and turbine generator set units manufacturing	<1	83	87	315
Speed changer, industrial high-speed drive, and gear manufacturing	<1	298	379	1,220
Mechanical power transmission equipment manufacturing	<1	1,422	1,799	5,263
Other engine equipment manufacturing	<1	10,029	18,396	120,238
Pump and pumping equipment manufacturing	<1	19	27	205
Air and gas compressor manufacturing	<1	137	167	585
Elevator and moving stairway manufacturing	<1	112	131	463
Conveyor and conveying equipment manufacturing	<1	261	284	884
Overhead cranes, hoists, and monorail systems manufacturing	<1	781	1,138	4,513
Industrial truck, trailer, and stacker manufacturing	<1	361	514	2,448
Power-driven handtool manufacturing	<1	16	34	94
Welding and soldering equipment manufacturing	<1	30	40	153
Packaging machinery manufacturing	<1	66	84	267
Industrial process furnace and oven manufacturing	<1	28	32	91
Fluid power cylinder and actuator manufacturing	<1	388	503	1,472
Fluid power pump and motor manufacturing	<1	82	113	417
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	216	247	836
Electronic computer manufacturing	<1	1,981	2,511	17,569
Computer storage device manufacturing	<1	215	276	1,494
Computer terminals and other computer peripheral equipment manufacturing	<1	274	337	1,402
Telephone apparatus manufacturing	<1	2,573	3,432	11,898

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	135	158	602
Other communications equipment manufacturing	<1	324	424	1,622
Audio and video equipment manufacturing	<1	4	6	25
Printed circuit assembly (electronic assembly) manufacturing	<1	11,620	14,585	65,907
Bare printed circuit board manufacturing	<1	4,093	4,475	11,292
Semiconductor and related device manufacturing	<1	407	537	2,571
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	147	164	620
Electronic connector manufacturing	<1	4,278	4,917	17,743
Other electronic component manufacturing	<1	11,128	12,302	45,944
Electromedical and electrotherapeutic apparatus manufacturing	<1	27	34	99
Search, detection, and navigation instruments manufacturing	<1	78	104	409
Automatic environmental control manufacturing	<1	973	1,144	2,711
Industrial process variable instruments manufacturing	<1	381	462	1,365
Totalizing fluid meter and counting device manufacturing	<1	1,624	2,468	7,172
Electricity and signal testing instruments manufacturing	<1	32	36	106
Analytical laboratory instrument manufacturing	<1	1,236	1,707	4,500
Irradiation apparatus manufacturing	<1	16	23	84
Watch, clock, and other measuring and controlling device manufacturing	<1	77	94	415
Blank magnetic and optical recording media manufacturing	<1	473	1,206	9,468
Software and other prerecorded and record reproducing	<1	424	539	2,103
Electric lamp bulb and part manufacturing	<1	210	307	1,123
Lighting fixture manufacturing	<1	936	1,147	5,529
Small electrical appliance manufacturing	<1	1,214	2,135	8,294

## Appendix

Household cooking appliance manufacturing	<1	3,773	7,079	29,930
Household refrigerator and home freezer manufacturing	<1	4,730	8,354	32,556
Household laundry equipment manufacturing	<1	14,504	20,666	96,363
Other major household appliance manufacturing	<1	2,419	4,700	16,706
Power, distribution, and specialty transformer manufacturing	<1	272	357	1,088
Motor and generator manufacturing	<1	1,290	2,090	7,948
Switchgear and switchboard apparatus manufacturing	<1	2,076	3,308	11,299
Relay and industrial control manufacturing	<1	264	326	1,072
Storage battery manufacturing	<1	2,960	4,314	17,447
Primary battery manufacturing	<1	393	-1,273	1,130
Fiber optic cable manufacturing	<1	1,766	2,443	12,875
Other communication and energy wire manufacturing	<1	388	596	3,495
Wiring device manufacturing	<1	4,912	8,197	26,066
Carbon and graphite product manufacturing	<1	21,928	30,843	96,844
All other miscellaneous electrical equipment and component manufacturing	<1	4,512	4,998	13,448
Automobile manufacturing	<1	65,670	151,962	996,921
Light truck and utility vehicle manufacturing	<1	14,518	32,988	320,928
Heavy duty truck manufacturing	<1	2,074	3,125	26,212
Motor vehicle body manufacturing	<1	2,435	2,806	9,620
Truck trailer manufacturing	<1	124	140	681
Motor home manufacturing	<1	56,221	78,333	401,711
Travel trailer and camper manufacturing	<1	25,329	28,044	143,359
Motor vehicle gasoline engine and engine parts manufacturing	<1	24,598	31,429	180,395
Motor vehicle electrical and electronic equipment manufacturing	<1	37,637	42,617	247,166
Motor vehicle transmission and power train parts manufacturing	<1	14,030	17,186	119,346
Motor vehicle seating and interior trim manufacturing	<1	26,315	28,714	177,572
Motor vehicle metal stamping	<1	69,206	77,756	341,489
Other motor vehicle parts manufacturing	<1	45,149	52,988	304,019

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	21,955	25,655	133,402
Aircraft manufacturing	<1	439	1,001	2,142
Aircraft engine and engine parts manufacturing	<1	19,608	60,339	110,336
Other aircraft parts and auxiliary equipment manufacturing	<1	752	1,315	2,555
Guided missile and space vehicle manufacturing	<1	800	1,744	3,124
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,618	4,588	7,875
Railroad rolling stock manufacturing	<1	181	210	911
Ship building and repairing	<1	1,327	2,224	4,321
Boat building	<1	5,939	11,213	31,524
Motorcycle, bicycle, and parts manufacturing	<1	9,269	61,529	101,421
Military armored vehicle, tank, and tank component manufacturing	<1	24,518	83,124	190,595
All other transportation equipment manufacturing	<1	16,452	51,001	161,613
Wood kitchen cabinet and countertop manufacturing	<1	29,405	40,666	105,873
Upholstered household furniture manufacturing	<1	2,585	2,941	9,454
Nonupholstered wood household furniture manufacturing	<1	1,434	1,734	6,317
Other household nonupholstered furniture manufacturing	<1	1,123	2,042	9,813
Institutional furniture manufacturing	<1	240	264	1,019
Wood office furniture manufacturing	<1	447	606	2,084
Custom architectural woodwork and millwork	<1	165	164	553
Office furniture, except wood, manufacturing	<1	1,002	1,944	5,437
Showcase, partition, shelving, and locker manufacturing	<1	2,835	4,234	12,258
Mattress manufacturing	<1	673	1,307	5,968
Blind and shade manufacturing	<1	79	80	384
Surgical and medical instrument manufacturing	<1	2,844	3,377	8,674
Surgical appliance and supplies manufacturing	<1	4,459	6,068	18,355

## Appendix

Dental equipment and supplies manufacturing	<1	40	50	136
Ophthalmic goods manufacturing	<1	375	486	1,151
Dental laboratories	<1	3,692	3,870	7,587
Jewelry and silverware manufacturing	<1	3,551	5,946	17,891
Sporting and athletic goods manufacturing	<1	5,893	6,918	25,387
Doll, toy, and game manufacturing	<1	69	86	396
Office supplies (except paper) manufacturing	<1	17,119	22,372	84,804
Sign manufacturing	<1	17,275	15,590	39,580
Gasket, packing, and sealing device manufacturing	<1	3,077	3,209	7,858
Musical instrument manufacturing	<1	76	77	173
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	122	133	393
Burial casket manufacturing	<1	3,350	4,139	12,349
All other miscellaneous manufacturing	<1	8,624	10,185	30,039
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	50,739	116,123	264,798
Wholesale - Professional and commercial equipment and supplies	2	181,942	288,057	542,247
Wholesale - Household appliances and electrical and electronic goods	2	219,727	580,026	1,291,448
Wholesale - Machinery, equipment, and supplies	2	207,278	412,052	756,068
Wholesale - Other durable goods merchant wholesalers	4	359,664	694,295	1,424,047
Wholesale - Drugs and druggists'sundries	<1	94,494	255,104	607,776
Wholesale - Grocery and related product wholesalers	4	274,900	438,403	916,626
Wholesale - Petroleum and petroleum products	<1	60,804	849,468	1,072,177
Wholesale - Other nondurable goods merchant wholesalers	4	268,237	617,786	1,294,075
Wholesale - Wholesale electronic markets and agents and brokers	3	414,757	482,245	574,197
Retail - Motor vehicle and parts dealers	6	411,285	600,796	863,447
Retail - Furniture and home furnishings stores	4	176,293	246,514	427,650

## Appendix

Retail - Electronics and appliance stores	4	199,407	174,255	323,838
Retail - Building material and garden equipment and supplies stores	7	370,033	730,257	1,051,096
Retail - Food and beverage stores	14	473,431	685,831	1,172,071
Retail - Health and personal care stores	8	355,726	462,157	739,521
Retail - Gasoline stores	6	206,854	466,064	925,415
Retail - Clothing and clothing accessories stores	8	195,189	368,230	876,094
Retail - Sporting goods, hobby, musical instrument and book stores	5	137,867	194,204	349,679
Retail - General merchandise stores	15	557,246	918,459	1,552,003
Retail - Miscellaneous store retailers	13	285,856	310,591	598,243
Retail - Nonstore retailers	12	294,657	1,612,365	2,691,505
Air transportation	<1	41,484	104,366	250,763
Rail transportation	<1	83,110	247,599	425,681
Water transportation	<1	25,286	51,784	197,739
Truck transportation	13	843,650	1,274,455	2,835,698
Transit and ground passenger transportation	3	44,629	48,863	101,464
Pipeline transportation	<1	167,177	215,991	357,676
Scenic and sightseeing transportation and support activities for transportation	6	487,864	441,271	669,004
Couriers and messengers	9	214,677	498,876	609,285
Warehousing and storage	11	519,579	546,077	1,099,900
Newspaper publishers	<1	47,853	65,470	107,514
Periodical publishers	<1	45,066	54,042	107,557
Book publishers	<1	9,194	18,331	46,016
Directory, mailing list, and other publishers	<1	2,540	4,666	11,746
Greeting card publishing	0	0	0	0
Software publishers	15	1,859,009	2,770,405	4,537,390
Motion picture and video industries	<1	47,110	66,353	219,927
Sound recording industries	<1	5,529	29,003	68,378
Radio and television broadcasting	2	284,330	400,571	1,299,746
Cable and other subscription programming	<1	8,983	41,673	146,538
Wired telecommunications carriers	2	228,997	503,851	1,030,470



## Appendix

Wireless telecommunications carriers (except satellite)	<1	58,348	390,598	1,196,675
Satellite, telecommunications resellers, and all other telecommunications	<1	50,941	76,842	186,340
Data processing, hosting, and related services	2	223,455	356,076	1,339,146
News syndicates, libraries, archives and all other information services	<1	11,138	13,730	46,254
Internet publishing and broadcasting and web search portals	1	143,634	271,815	1,610,315
Nondepository credit intermediation and related activities	4	357,979	379,187	667,599
Securities and commodity contracts intermediation and brokerage	12	475,824	482,723	1,267,853
Monetary authorities and depository credit intermediation	18	1,912,174	4,537,430	7,616,344
Other financial investment activities	5	175,918	215,265	806,090
Direct life insurance carriers	2	154,323	315,961	499,354
Insurance carriers, except direct life	6	504,196	1,575,809	3,574,013
Insurance agencies, brokerages, and related activities	8	691,092	1,086,230	2,659,088
Funds, trusts, and other financial vehicles	3	99,362	105,571	650,271
Other real estate	57	1,075,852	4,259,282	11,434,746
Tenant-occupied housing	7	118,044	1,202,137	1,365,689
Owner-occupied dwellings	0	0	7,896,329	9,580,882
Automotive equipment rental and leasing	2	113,620	412,099	535,058
General and consumer goods rental except video tapes and discs	2	102,087	196,022	287,426
Video tape and disc rental	<1	26,254	45,731	76,693
Commercial and industrial machinery and equipment rental and leasing	2	189,004	551,228	707,311
Lessors of nonfinancial intangible assets	<1	7,397	275,982	302,350
Legal services	20	1,912,393	3,207,535	4,508,526
Accounting, tax preparation, bookkeeping, and payroll services	9	669,139	802,184	1,353,687
Architectural, engineering, and related services	67	5,888,577	6,355,268	12,792,418
Specialized design services	<1	39,139	59,476	127,262

## Appendix

Custom computer programming services	2	171,985	185,808	274,342
Computer systems design services	4	444,601	409,729	544,982
Other computer related services, including facilities management	<1	56,135	75,928	158,091
Management consulting services	45	3,746,115	3,822,406	6,669,618
Environmental and other technical consulting services	3	212,449	229,552	391,963
Scientific research and development services	253	24,399,197	31,308,104	62,183,473
Advertising, public relations, and related services	4	274,761	415,076	1,026,111
Photographic services	<1	22,626	46,082	122,335
Veterinary services	2	72,738	79,266	135,410
Marketing research and all other miscellaneous professional, scientific, and technical services	24	1,954,491	3,161,053	7,116,845
Management of companies and enterprises	18	1,932,312	2,201,763	3,922,044
Office administrative services	4	220,764	27,197	231,245
Facilities support services	0	-13,035	-14,569	-36,201
Employment services	85	2,919,306	3,538,644	7,610,813
Business support services	10	367,275	288,986	678,781
Travel arrangement and reservation services	<1	41,401	55,279	239,131
Investigation and security services	9	296,336	298,114	494,876
Services to buildings	12	362,535	443,914	1,144,511
Landscape and horticultural services	6	215,079	242,928	547,378
Other support services	3	92,286	107,793	313,100
Waste management and remediation services	2	172,636	304,158	635,290
Elementary and secondary schools	5	181,022	138,596	183,867
Junior colleges, colleges, universities, and professional schools	10	302,734	363,394	592,260
Other educational services	6	249,100	264,880	553,459
Offices of physicians	22	2,444,233	2,437,779	3,558,230
Offices of dentists	6	414,329	455,619	633,100
Offices of other health practitioners	7	414,428	526,767	695,132
Outpatient care centers	5	538,064	523,783	755,759
Medical and diagnostic laboratories	3	242,324	315,780	477,940
Home health care services	5	308,668	303,579	376,630

## Appendix

Other ambulatory health care services	2	140,946	153,679	244,529
Hospitals	16	1,720,403	1,984,075	3,540,320
Nursing and community care facilities	8	360,860	387,115	671,445
Residential mental retardation, mental health, substance abuse and other facilities	3	140,116	145,346	237,866
Individual and family services	12	325,421	267,802	414,224
Child day care services	6	183,160	217,856	318,264
Community food, housing, and other relief services, including rehabilitation services	2	76,275	70,123	174,280
Performing arts companies	2	30,615	55,898	161,372
Commercial Sports Except Racing	2	35,666	34,500	87,320
Racing and Track Operation	<1	8,468	18,343	42,500
Independent artists, writers, and performers	1	15,524	45,480	101,187
Promoters of performing arts and sports and agents for public figures	3	36,151	94,305	327,374
Museums, historical sites, zoos, and parks	<1	16,898	20,750	43,325
Amusement parks and arcades	<1	6,435	8,376	12,364
Gambling industries (except casino hotels)	1	34,435	127,460	181,991
Other amusement and recreation industries	3	83,337	76,812	123,243
Fitness and recreational sports centers	3	41,149	43,483	92,054
Bowling centers	<1	8,136	10,415	19,914
Hotels and motels, including casino hotels	2	52,003	114,362	185,312
Other accommodations	<1	15,861	19,340	26,744
Full-service restaurants	32	854,446	1,372,837	2,802,371
Limited-service restaurants	31	702,287	1,172,181	2,972,171
All other food and drinking places	16	498,964	742,530	1,253,245
Automotive repair and maintenance, except car washes	12	603,258	815,117	1,189,648
Car washes	6	340,377	513,802	772,886
Electronic and precision equipment repair and maintenance	169	10,272,530	12,843,111	23,223,286
Commercial and industrial machinery and equipment repair and maintenance	6	326,877	385,402	653,407
Personal and household goods repair and maintenance	1	58,939	185,495	245,187

## Appendix

Personal care services	10	225,198	227,754	274,970
Death care services	2	47,579	50,822	70,556
Dry-cleaning and laundry services	8	187,455	193,017	246,092
Other personal services	5	134,772	212,806	311,229
Religious organizations	6	285,088	252,588	590,604
Grantmaking, giving, and social advocacy organizations	1	59,427	432,243	551,065
Business and professional associations	1	82,712	248,972	370,290
Labor and civic organizations	2	52,340	356,266	469,890
Private households	6	72,855	72,855	73,135
Postal service	3	320,166	321,408	323,662
Federal electric utilities	<1	137,921	306,203	820,515
Other federal government enterprises	<1	13,457	20,807	62,918
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	119,909	219,044	456,050
Local government passenger transit	3	98,663	28,200	103,446
Local government electric utilities	<1	54,136	178,065	415,056
Other local government enterprises	6	459,045	1,245,746	2,695,162
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	88	14,858,762	20,912,198	33,692,622

## Alaska

## NASA

Table 631: Detailed NASA Impacts by Types of Impact, Alaska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	226	17,960,602	25,191,954	47,912,668
Oilseed farming	0	0	0	0
Grain farming	<1	457	-17,162	5,658
Vegetable and melon farming	<1	1,019	1,062	4,964
Fruit farming	<1	42	42	192
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	2,198	2,317	5,271
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,420	193	3,702
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-153	-117	6,113
Dairy cattle and milk production	<1	22	25	427
Poultry and egg production	<1	96	112	1,165
Animal production, except cattle and poultry and eggs	<1	2,104	2,149	24,738
Forestry, forest products, and timber tract production	<1	1,448	1,507	1,899
Commercial logging	<1	1,684	1,706	2,512
Commercial fishing	<1	3,355	8,774	9,819
Commercial hunting and trapping	<1	1,873	1,534	1,698
Support activities for agriculture and forestry	<1	5,151	-19,944	4,673
Oil and gas extraction	<1	36,768	471,597	522,383
Coal mining	<1	10,253	39,109	60,476
Copper, nickel, lead, and zinc mining	<1	11,955	67,622	101,222
Iron ore mining	0	0	0	0
Gold ore mining	<1	8,753	33,065	60,584
Silver ore mining	<1	1,434	3,587	7,011
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	555	1,415	2,332
Stone mining and quarrying	<1	758	3,862	5,508
Sand and gravel mining	<1	2,249	4,623	7,940

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	80	129	239
Phosphate rock mining	<1	18	39	70
Other chemical and fertilizer mineral mining	<1	262	438	811
Other nonmetallic minerals	<1	875	1,794	3,185
Drilling oil and gas wells	<1	12	75	100
Support activities for oil and gas operations	<1	454	1,057	1,640
Metal mining services	<1	1,933	18,575	28,873
Other nonmetallic minerals services	<1	104	1,259	1,642
Electric power generation - Hydroelectric	<1	12,099	24,690	64,386
Electric power generation - Fossil fuel	<1	15,173	47,060	172,994
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	300	579	1,403
Electric power generation - Wind	<1	313	2,110	5,497
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	734	1,828	7,247
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	62,213	174,927	509,449
Natural gas distribution	<1	30,124	93,303	205,196
Water, sewage and other systems	<1	11,398	19,867	35,405
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	40,783	63,151	133,380
Maintenance and repair construction of residential structures	<1	24,296	34,945	73,761
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	23	36	77
Dog and cat food manufacturing	<1	117	211	2,192
Other animal food manufacturing	<1	1,218	2,471	20,331
Flour milling	<1	321	477	8,232
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	64	76	585
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	135	158	1,310
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	16	21	192
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	249	307	4,376
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	60	71	736



## Appendix

Frozen cakes and other pastries manufacturing	<1	1,726	2,092	4,029
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	864	1,055	9,619
Meat processed from carcasses	<1	2,851	2,833	27,055
Rendering and meat byproduct processing	<1	52	71	426
Seafood product preparation and packaging	<1	12,593	13,330	65,292
Bread and bakery product, except frozen, manufacturing	<1	6,961	8,300	22,988
Cookie and cracker manufacturing	<1	417	485	2,331
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	628	714	3,633
Roasted nuts and peanut butter manufacturing	<1	883	949	4,604
Other snack food manufacturing	<1	982	1,195	5,785
Coffee and tea manufacturing	<1	167	221	2,810
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	6	8	70
Spice and extract manufacturing	<1	23	28	266
All other food manufacturing	<1	130	150	950
Bottled and canned soft drinks & water	<1	1,096	1,415	13,098
Manufactured ice	<1	317	174	1,273
Breweries	<1	6,567	9,809	37,674
Wineries	<1	149	197	1,289
Distilleries	<1	268	1,055	3,785
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	85	80	2,278
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	55	49	564
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	24	22	212
Hosiery and sock mills	<1	2	3	8
Other apparel knitting mills	<1	4	5	14
Cut and sew apparel contractors	<1	4	6	12
Men's and boys' cut and sew apparel manufacturing	<1	3	4	47
Women's and girls' cut and sew apparel manufacturing	<1	5	5	144
Other cut and sew apparel manufacturing	<1	3	3	36
Apparel accessories and other apparel manufacturing	<1	11	12	186
Leather and hide tanning and finishing	<1	4	5	188
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	27
Sawmills	<1	772	2,415	10,820
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	51	150	498
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	323	677	2,350
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	149	432	1,319
Wood container and pallet manufacturing	<1	549	1,207	3,283
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	152	519	1,417
All other miscellaneous wood product manufacturing	<1	455	1,035	3,523
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0

Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	234	168	1,007
Printing	<1	8,684	11,185	28,456
Support activities for printing	<1	420	526	1,034
Petroleum refineries	<1	11,111	47,354	448,198
Asphalt paving mixture and block manufacturing	<1	66	80	396
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	<1	47	57	1,276
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	227	361	4,696
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	1	1	10
Pharmaceutical preparation manufacturing	<1	23	29	279
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	52	66	1,110
Polish and other sanitation good manufacturing	0	0	0	0

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	6	8	119
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	344	364	4,364
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	456	745	5,034
Urethane and other foam product (except polystyrene) manufacturing	<1	63	100	739
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	0	0	0	0
Tire manufacturing	<1	1,141	1,421	12,340
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	266	366	1,635
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,962	2,505	12,521
Concrete block and brick manufacturing	<1	1,202	1,602	5,715
Concrete pipe manufacturing	0	0	0	0

## Appendix

Other concrete product manufacturing	<1	225	270	915
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	65	74	269
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	204	356	1,777
Miscellaneous nonmetallic mineral products manufacturing	<1	42	66	291
Iron and steel mills and ferroalloy manufacturing	<1	93	131	2,915
Iron, steel pipe and tube manufacturing from purchased steel	<1	29	37	385
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	121	278	2,874
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	<1	43	54	634
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	41	66	427
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	169	216	1,430

## Appendix

Fabricated structural metal manufacturing	<1	884	1,138	6,333
Plate work manufacturing	<1	80	86	429
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	116	139	582
Ornamental and architectural metal work manufacturing	<1	139	155	689
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	153	173	717
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	67	79	460
Machine shops	<1	654	720	1,911
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	35	50	280
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	72	91	457
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	556	957	3,579
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	121	138	561
Other fabricated metal manufacturing	<1	537	633	2,547
Farm machinery and equipment manufacturing	<1	69	141	733
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	19	26	88
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	2	3	9
Photographic and photocopying equipment manufacturing	<1	<1	<1	4
Other commercial service industry machinery manufacturing	<1	10	18	68
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	135	228	797
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	62	95	252
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	2	3	9
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	3	12
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	13	17	67
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	2	2	9
Search, detection, and navigation instruments manufacturing	<1	<1	1	4
Automatic environmental control manufacturing	<1	108	124	337
Industrial process variable instruments manufacturing	<1	32	38	120
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	9	11	35
Irradiation apparatus manufacturing	<1	1	2	9
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	144	122	1,880
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	18
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	106	144	1,314
Motor vehicle gasoline engine and engine parts manufacturing	<1	105	222	2,761
Motor vehicle electrical and electronic equipment manufacturing	<1	28	53	172
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	<1	33	45	632
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	0	0	<1
Aircraft engine and engine parts manufacturing	<1	15	29	93
Other aircraft parts and auxiliary equipment manufacturing	<1	26	34	99
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	693	929	2,429
Boat building	<1	2,325	3,233	12,385
Motorcycle, bicycle, and parts manufacturing	0	0	0	0

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	185	317	741
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	102	142	453
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	18	35	94
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	59	59	229
Surgical and medical instrument manufacturing	<1	13	14	82
Surgical appliance and supplies manufacturing	<1	51	57	435
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	58	58	172
Jewelry and silverware manufacturing	<1	380	554	2,095
Sporting and athletic goods manufacturing	<1	12	13	133
Doll, toy, and game manufacturing	<1	163	156	1,614
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	1,223	618	4,779
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	10	11	96
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,449	6,922	17,802
Wholesale - Professional and commercial equipment and supplies	<1	15,454	23,186	46,134
Wholesale - Household appliances and electrical and electronic goods	<1	4,107	9,238	26,226
Wholesale - Machinery, equipment, and supplies	<1	20,332	35,691	71,262
Wholesale - Other durable goods merchant wholesalers	<1	20,271	34,549	86,790
Wholesale - Drugs and druggistsâ€™ sundries	<1	3,067	6,807	21,124
Wholesale - Grocery and related product wholesalers	<1	26,711	37,861	91,323
Wholesale - Petroleum and petroleum products	<1	9,354	102,536	135,974
Wholesale - Other nondurable goods merchant wholesalers	<1	36,407	71,602	161,253
Wholesale - Wholesale electronic markets and agents and brokers	<1	6,570	7,366	9,568
Retail - Motor vehicle and parts dealers	<1	45,799	55,682	84,092
Retail - Furniture and home furnishings stores	<1	20,121	24,057	42,250
Retail - Electronics and appliance stores	<1	20,899	16,093	29,679
Retail - Building material and garden equipment and supplies stores	<1	34,801	53,374	81,679
Retail - Food and beverage stores	2	74,215	89,900	147,458
Retail - Health and personal care stores	<1	27,567	33,577	51,141
Retail - Gasoline stores	<1	35,512	50,848	93,482
Retail - Clothing and clothing accessories stores	<1	25,522	33,653	77,125
Retail - Sporting goods, hobby, musical instrument and book stores	<1	25,744	30,285	54,767
Retail - General merchandise stores	2	92,087	118,832	201,970
Retail - Miscellaneous store retailers	2	68,876	59,185	94,813
Retail - Nonstore retailers	2	56,931	242,800	402,358
Air transportation	<1	86,665	142,247	323,430

## Appendix

Rail transportation	<1	-63	-79	47
Water transportation	<1	19,209	37,711	113,914
Truck transportation	<1	70,699	104,529	196,615
Transit and ground passenger transportation	1	43,779	56,054	74,668
Pipeline transportation	<1	2,713	101,842	94,047
Scenic and sightseeing transportation and support activities for transportation	2	149,788	115,072	192,479
Couriers and messengers	<1	45,784	85,531	91,319
Warehousing and storage	<1	12,488	14,122	25,623
Newspaper publishers	<1	8,688	14,678	25,245
Periodical publishers	<1	1,194	1,727	4,205
Book publishers	<1	230	642	2,076
Directory, mailing list, and other publishers	<1	403	988	1,926
Greeting card publishing	0	0	0	0
Software publishers	1	144,534	296,720	488,165
Motion picture and video industries	<1	6,992	12,113	38,121
Sound recording industries	<1	558	3,155	8,131
Radio and television broadcasting	<1	51,159	77,537	236,239
Cable and other subscription programming	<1	1,400	9,040	28,817
Wired telecommunications carriers	<1	48,589	133,316	235,236
Wireless telecommunications carriers (except satellite)	<1	3,720	46,172	92,884
Satellite, telecommunications resellers, and all other telecommunications	<1	8,739	10,450	27,783
Data processing, hosting, and related services	<1	9,028	39,618	95,922
News syndicates, libraries, archives and all other information services	<1	3,993	12,102	22,369
Internet publishing and broadcasting and web search portals	<1	4,677	31,833	94,441
Nondepository credit intermediation and related activities	<1	24,259	25,585	41,109
Securities and commodity contracts intermediation and brokerage	<1	29,753	29,767	87,366
Monetary authorities and depository credit intermediation	2	203,732	590,866	959,702

## Appendix

Other financial investment activities	<1	20,229	25,120	104,373
Direct life insurance carriers	<1	4,009	11,705	16,910
Insurance carriers, except direct life	<1	20,583	95,789	179,893
Insurance agencies, brokerages, and related activities	<1	34,191	61,193	145,191
Funds, trusts, and other financial vehicles	<1	35,710	39,138	135,386
Other real estate	10	438,709	1,353,438	2,615,732
Tenant-occupied housing	2	74,259	315,174	355,252
Owner-occupied dwellings	0	0	1,178,376	1,422,104
Automotive equipment rental and leasing	<1	20,813	150,489	181,236
General and consumer goods rental except video tapes and discs	<1	11,719	24,396	37,604
Video tape and disc rental	<1	4,994	7,616	13,277
Commercial and industrial machinery and equipment rental and leasing	<1	11,501	66,063	78,943
Lessors of nonfinancial intangible assets	<1	-1,764	27,441	32,191
Legal services	3	231,941	322,431	519,854
Accounting, tax preparation, bookkeeping, and payroll services	<1	64,381	82,728	142,646
Architectural, engineering, and related services	3	215,118	235,613	445,689
Specialized design services	<1	2,677	4,495	8,549
Custom computer programming services	<1	12,316	14,276	20,197
Computer systems design services	<1	12,198	11,559	15,987
Other computer related services, including facilities management	<1	17,678	21,719	53,170
Management consulting services	3	236,276	242,148	418,867
Environmental and other technical consulting services	<1	81,495	90,418	149,869
Scientific research and development services	98	9,645,725	10,969,491	22,834,436
Advertising, public relations, and related services	<1	47,011	75,606	208,042
Photographic services	<1	3,213	7,314	17,016
Veterinary services	<1	17,165	19,245	29,943
Marketing research and all other miscellaneous professional, scientific, and technical services	3	219,705	375,424	793,612
Management of companies and enterprises	4	465,244	496,587	869,206

## Appendix

Office administrative services	1	100,310	60,634	130,675
Facilities support services	<1	15,800	22,208	47,379
Employment services	2	102,392	146,443	227,842
Business support services	<1	21,026	19,629	33,812
Travel arrangement and reservation services	<1	19,761	33,142	125,721
Investigation and security services	<1	41,590	41,926	58,682
Services to buildings	1	45,124	64,792	141,502
Landscape and horticultural services	<1	25,480	31,389	60,562
Other support services	<1	16,144	19,352	37,509
Waste management and remediation services	<1	37,009	53,825	105,741
Elementary and secondary schools	<1	5,487	3,948	5,378
Junior colleges, colleges, universities, and professional schools	12	514,955	571,821	861,987
Other educational services	<1	34,484	36,403	76,361
Offices of physicians	4	434,343	433,125	608,065
Offices of dentists	<1	68,754	83,540	111,175
Offices of other health practitioners	1	96,402	151,582	183,422
Outpatient care centers	2	159,590	156,888	227,958
Medical and diagnostic laboratories	<1	11,593	19,599	26,352
Home health care services	<1	33,567	33,184	45,675
Other ambulatory health care services	<1	32,394	38,784	50,589
Hospitals	6	634,105	761,923	1,297,682
Nursing and community care facilities	<1	23,847	27,785	44,143
Residential mental retardation, mental health, substance abuse and other facilities	<1	39,565	40,268	58,872
Individual and family services	2	114,211	104,268	134,832
Child day care services	<1	35,115	56,135	70,814
Community food, housing, and other relief services, including rehabilitation services	<1	44,634	41,572	85,615
Performing arts companies	<1	10,564	15,942	43,384
Commercial Sports Except Racing	<1	7,820	7,743	17,218
Racing and Track Operation	<1	3,043	4,637	10,599
Independent artists, writers, and performers	<1	4,292	8,507	20,434

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	10,919	20,449	77,559
Museums, historical sites, zoos, and parks	<1	7,543	9,001	15,453
Amusement parks and arcades	<1	2,660	3,371	4,135
Gambling industries (except casino hotels)	<1	30,682	81,803	120,783
Other amusement and recreation industries	<1	24,699	20,991	30,971
Fitness and recreational sports centers	<1	10,174	12,083	20,872
Bowling centers	<1	2,197	3,367	5,213
Hotels and motels, including casino hotels	<1	6,750	15,992	24,118
Other accommodations	<1	2,299	2,407	3,286
Full-service restaurants	4	151,082	198,611	371,768
Limited-service restaurants	3	100,620	133,037	305,566
All other food and drinking places	3	127,484	181,975	280,225
Automotive repair and maintenance, except car washes	1	103,868	93,560	141,047
Car washes	<1	41,667	52,677	81,386
Electronic and precision equipment repair and maintenance	<1	13,575	17,331	30,007
Commercial and industrial machinery and equipment repair and maintenance	<1	52,962	42,238	69,100
Personal and household goods repair and maintenance	<1	13,422	20,771	30,896
Personal care services	1	40,225	21,443	26,439
Death care services	<1	4,700	2,858	3,984
Dry-cleaning and laundry services	<1	15,209	8,323	11,057
Other personal services	<1	22,474	25,452	35,832
Religious organizations	2	113,919	33,117	137,331
Grantmaking, giving, and social advocacy organizations	<1	56,701	121,551	196,256
Business and professional associations	<1	22,703	29,611	60,324
Labor and civic organizations	<1	40,495	83,276	141,989
Private households	<1	8,993	8,993	8,993
Postal service	<1	43,514	43,663	43,677
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,861	7,085	22,740
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	160,750	108,660	198,120
Local government passenger transit	<1	59	-25	11
Local government electric utilities	<1	1,624	2,609	9,716
Other local government enterprises	<1	7,595	-2,629	19,287
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	5,059	7,079	7,079

## Moon to Mars Campaign

**Table 632: Detailed M2M Campaign Impacts by Types of Impact, Alaska**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<1	12,399	17,139	32,368
Oilseed farming	0	0	0	0
Grain farming	<1	<1	-14	3
Vegetable and melon farming	<1	<1	<1	3
Fruit farming	<1	<1	<1	<1
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	1	2	3
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	<1	<1	2
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	0	0	3
Dairy cattle and milk production	<1	0	0	<1
Poultry and egg production	<1	<1	<1	<1
Animal production, except cattle and poultry and eggs	<1	1	1	16
Forestry, forest products, and timber tract production	<1	1	1	1
Commercial logging	<1	1	1	2
Commercial fishing	<1	2	6	6
Commercial hunting and trapping	<1	2	<1	1
Support activities for agriculture and forestry	<1	3	-13	3
Oil and gas extraction	<1	16	245	292
Coal mining	<1	4	16	24
Copper, nickel, lead, and zinc mining	<1	5	32	47
Iron ore mining	0	0	0	0
Gold ore mining	<1	5	19	34
Silver ore mining	<1	<1	2	4
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	<1	<1	1
Stone mining and quarrying	<1	<1	2	3
Sand and gravel mining	<1	2	3	6
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	0	0	<1
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	<1	1	2
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	11	17
Other nonmetallic minerals services	<1	<1	<1	1
Electric power generation - Hydroelectric	<1	10	20	52

## Appendix

Electric power generation - Fossil fuel	<1	12	34	125
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	<1	<1	1
Electric power generation - Wind	<1	<1	1	3
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	<1	1	6
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	40	108	315
Natural gas distribution	<1	20	60	129
Water, sewage and other systems	<1	6	10	18
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	25	40	83
Maintenance and repair construction of residential structures	<1	16	23	49
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	<1	<1	1
Other animal food manufacturing	<1	<1	2	14
Flour milling	<1	<1	<1	5

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	0	0	<1
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	<1
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	0	0	<1
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	<1	<1	3
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	<1
Frozen cakes and other pastries manufacturing	<1	1	1	3
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	<1	<1	5
Meat processed from carcasses	<1	2	2	19
Rendering and meat byproduct processing	<1	0	<1	<1
Seafood product preparation and packaging	<1	7	7	35
Bread and bakery product, except frozen, manufacturing	<1	4	5	14
Cookie and cracker manufacturing	<1	<1	<1	2
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	<1	<1	2

## Appendix

Roasted nuts and peanut butter manufacturing	<1	<1	<1	3
Other snack food manufacturing	<1	<1	<1	4
Coffee and tea manufacturing	<1	<1	<1	2
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	0	0	<1
All other food manufacturing	<1	<1	<1	<1
Bottled and canned soft drinks & water	<1	<1	<1	8
Manufactured ice	<1	<1	<1	<1
Breweries	<1	4	5	21
Wineries	<1	<1	<1	1
Distilleries	<1	0	<1	2
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	1
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	0	0	<1
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	0	0	<1
Hosiery and sock mills	0	0	0	0
Other apparel knitting mills	0	0	0	0
Cut and sew apparel contractors	0	0	0	0
Men's and boys' cut and sew apparel manufacturing	0	0	0	0
Women's and girls' cut and sew apparel manufacturing	<1	0	0	<1
Other cut and sew apparel manufacturing	0	0	0	0
Apparel accessories and other apparel manufacturing	<1	0	0	<1
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	0	0	0	0

## Appendix

Sawmills	<1	<1	1	6
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	0	<1	<1
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	<1	<1	1
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	<1	<1	<1
Wood container and pallet manufacturing	<1	<1	<1	2
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	<1	<1	<1
All other miscellaneous wood product manufacturing	<1	<1	<1	2
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	<1	<1	<1
Printing	<1	6	8	19
Support activities for printing	<1	<1	<1	<1
Petroleum refineries	<1	7	35	308
Asphalt paving mixture and block manufacturing	<1	<1	<1	<1
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	<1	0	0	<1
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	<1	<1	4
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	0	0	<1
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	0	0	<1
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	0	0	<1
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	<1	<1	3
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	<1	<1	4
Urethane and other foam product (except polystyrene) manufacturing	<1	0	<1	<1
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	0	0	0	0
Tire manufacturing	<1	<1	<1	7
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	<1	<1	1
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1	2	8
Concrete block and brick manufacturing	<1	<1	1	4
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	<1	<1	<1
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	<1	<1	<1
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	<1	1
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	<1	<1
Iron and steel mills and ferroalloy manufacturing	<1	<1	<1	2
Iron, steel pipe and tube manufacturing from purchased steel	<1	0	0	<1



## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	0	<1	2
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	<1	0	0	<1
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	0	0	<1
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	<1	<1	1
Fabricated structural metal manufacturing	<1	<1	<1	4
Plate work manufacturing	<1	<1	<1	<1
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	<1	<1	<1
Ornamental and architectural metal work manufacturing	<1	<1	<1	<1
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	<1
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	<1

## Appendix

Machine shops	<1	<1	<1	1
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	0	0	<1
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	0	<1	2
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	<1
Other fabricated metal manufacturing	<1	<1	<1	2
Farm machinery and equipment manufacturing	<1	<1	<1	<1
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	<1	<1	<1
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0

Appendix

Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	0	0	1
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	<1	<1	<1

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	0	0	2
Motor vehicle electrical and electronic equipment manufacturing	<1	0	0	<1
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	<1	0	0	<1
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	<1	<1	2
Boat building	<1	1	2	7
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	<1	<1	<1
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	<1
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	0	0	<1
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	0	0	<1
Surgical appliance and supplies manufacturing	<1	0	0	<1
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	0	0	<1
Jewelry and silverware manufacturing	<1	<1	<1	1
Sporting and athletic goods manufacturing	<1	0	0	<1
Doll, toy, and game manufacturing	<1	<1	<1	1
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	<1	<1	3
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	0	0	<1
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2	5	12
Wholesale - Professional and commercial equipment and supplies	<1	11	16	32
Wholesale - Household appliances and electrical and electronic goods	<1	3	6	17
Wholesale - Machinery, equipment, and supplies	<1	13	23	46
Wholesale - Other durable goods merchant wholesalers	<1	13	23	58

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	2	5	14
Wholesale - Grocery and related product wholesalers	<1	17	24	57
Wholesale - Petroleum and petroleum products	<1	6	71	92
Wholesale - Other nondurable goods merchant wholesalers	<1	24	49	109
Wholesale - Wholesale electronic markets and agents and brokers	<1	4	5	6
Retail - Motor vehicle and parts dealers	<1	30	36	55
Retail - Furniture and home furnishings stores	<1	13	16	28
Retail - Electronics and appliance stores	<1	14	11	19
Retail - Building material and garden equipment and supplies stores	<1	23	35	53
Retail - Food and beverage stores	<1	50	61	100
Retail - Health and personal care stores	<1	18	22	34
Retail - Gasoline stores	<1	24	33	60
Retail - Clothing and clothing accessories stores	<1	17	23	51
Retail - Sporting goods, hobby, musical instrument and book stores	<1	17	20	36
Retail - General merchandise stores	<1	60	77	130
Retail - Miscellaneous store retailers	<1	45	39	61
Retail - Nonstore retailers	<1	37	161	266
Air transportation	<1	55	91	205
Rail transportation	<1	0	0	<1
Water transportation	<1	15	30	84
Truck transportation	<1	47	70	130
Transit and ground passenger transportation	<1	36	45	58
Pipeline transportation	<1	1	51	49
Scenic and sightseeing transportation and support activities for transportation	<1	112	85	142
Couriers and messengers	<1	33	62	66
Warehousing and storage	<1	8	9	17
Newspaper publishers	<1	6	11	19
Periodical publishers	<1	1	2	4
Book publishers	<1	<1	<1	2



## Appendix

Directory, mailing list, and other publishers	<1	<1	<1	1
Greeting card publishing	0	0	0	0
Software publishers	<1	7	13	24
Motion picture and video industries	<1	5	9	26
Sound recording industries	<1	<1	2	5
Radio and television broadcasting	<1	35	53	153
Cable and other subscription programming	<1	<1	7	21
Wired telecommunications carriers	<1	30	86	150
Wireless telecommunications carriers (except satellite)	<1	2	32	61
Satellite, telecommunications resellers, and all other telecommunications	<1	6	7	18
Data processing, hosting, and related services	<1	6	27	64
News syndicates, libraries, archives and all other information services	<1	3	9	16
Internet publishing and broadcasting and web search portals	<1	3	22	65
Nondepository credit intermediation and related activities	<1	17	18	28
Securities and commodity contracts intermediation and brokerage	<1	22	21	58
Monetary authorities and depository credit intermediation	<1	129	396	622
Other financial investment activities	<1	16	20	75
Direct life insurance carriers	<1	2	7	11
Insurance carriers, except direct life	<1	14	63	116
Insurance agencies, brokerages, and related activities	<1	22	40	93
Funds, trusts, and other financial vehicles	<1	26	31	93
Other real estate	<1	290	889	1,658
Tenant-occupied housing	<1	49	218	244
Owner-occupied dwellings	0	0	785	948
Automotive equipment rental and leasing	<1	14	105	124

## Appendix

General and consumer goods rental except video tapes and discs	<1	7	15	23
Video tape and disc rental	<1	3	5	9
Commercial and industrial machinery and equipment rental and leasing	<1	8	47	55
Lessors of nonfinancial intangible assets	<1	-1	19	22
Legal services	<1	156	223	355
Accounting, tax preparation, bookkeeping, and payroll services	<1	44	57	97
Architectural, engineering, and related services	<1	145	160	300
Specialized design services	<1	2	3	6
Custom computer programming services	<1	8	10	14
Computer systems design services	<1	9	8	11
Other computer related services, including facilities management	<1	13	16	40
Management consulting services	<1	170	175	297
Environmental and other technical consulting services	<1	60	67	109
Scientific research and development services	<1	7,159	8,124	16,493
Advertising, public relations, and related services	<1	32	52	141
Photographic services	<1	2	5	11
Veterinary services	<1	11	13	20
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	167	291	605
Management of companies and enterprises	<1	323	347	600
Office administrative services	<1	81	53	105
Facilities support services	<1	10	15	31
Employment services	<1	72	105	157
Business support services	<1	13	13	21
Travel arrangement and reservation services	<1	14	25	89
Investigation and security services	<1	28	28	39
Services to buildings	<1	29	43	91
Landscape and horticultural services	<1	17	21	39
Other support services	<1	10	12	23
Waste management and remediation services	<1	24	35	68

Appendix

Elementary and secondary schools	<1	4	3	4
Junior colleges, colleges, universities, and professional schools	<1	15	17	25
Other educational services	<1	24	25	52
Offices of physicians	<1	288	288	403
Offices of dentists	<1	45	56	74
Offices of other health practitioners	<1	62	100	120
Outpatient care centers	<1	108	107	156
Medical and diagnostic laboratories	<1	8	14	18
Home health care services	<1	23	23	32
Other ambulatory health care services	<1	21	26	34
Hospitals	<1	466	564	962
Nursing and community care facilities	<1	17	20	31
Residential mental retardation, mental health, substance abuse and other facilities	<1	31	31	45
Individual and family services	<1	82	75	97
Child day care services	<1	24	40	50
Community food, housing, and other relief services, including rehabilitation services	<1	34	32	65
Performing arts companies	<1	8	12	30
Commercial Sports Except Racing	<1	5	5	12
Racing and Track Operation	<1	2	3	7
Independent artists, writers, and performers	<1	3	6	14
Promoters of performing arts and sports and agents for public figures	<1	8	15	53
Museums, historical sites, zoos, and parks	<1	5	6	11
Amusement parks and arcades	<1	2	2	3
Gambling industries (except casino hotels)	<1	21	56	82
Other amusement and recreation industries	<1	17	14	20
Fitness and recreational sports centers	<1	7	9	14
Bowling centers	<1	1	2	3
Hotels and motels, including casino hotels	<1	5	11	17
Other accommodations	<1	2	2	3

## Appendix

Full-service restaurants	<1	100	131	244
Limited-service restaurants	<1	68	89	201
All other food and drinking places	<1	90	127	193
Automotive repair and maintenance, except car washes	<1	71	63	94
Car washes	<1	28	35	54
Electronic and precision equipment repair and maintenance	<1	9	11	19
Commercial and industrial machinery and equipment repair and maintenance	<1	34	27	44
Personal and household goods repair and maintenance	<1	9	13	20
Personal care services	<1	27	13	16
Death care services	<1	3	2	3
Dry-cleaning and laundry services	<1	10	5	7
Other personal services	<1	15	17	24
Religious organizations	<1	87	23	100
Grantmaking, giving, and social advocacy organizations	<1	45	86	142
Business and professional associations	<1	16	19	40
Labor and civic organizations	<1	31	57	99
Private households	<1	6	6	6
Postal service	<1	30	30	30
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3	6	18
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	66	42	75
Local government passenger transit	0	<1	0	0
Local government electric utilities	<1	<1	1	5
Other local government enterprises	<1	5	-1	11
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Investments in Climate Change Research and Technology

**Table 633: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>156</i>	<i>12,412,495</i>	<i>17,652,110</i>	<i>33,606,156</i>
Oilseed farming	0	0	0	0
Grain farming	<1	290	-10,089	3,466
Vegetable and melon farming	<1	796	826	3,816
Fruit farming	<1	35	35	160
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	1,753	1,834	4,112
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,218	164	3,126
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-167	-117	5,866
Dairy cattle and milk production	<1	17	18	318
Poultry and egg production	<1	83	91	1,015
Animal production, except cattle and poultry and eggs	<1	1,602	1,455	16,385
Forestry, forest products, and timber tract production	<1	1,016	1,068	1,395

## Appendix

Commercial logging	<1	1,278	1,351	2,004
Commercial fishing	<1	1,940	6,275	7,023
Commercial hunting and trapping	<1	1,091	1,177	1,318
Support activities for agriculture and forestry	<1	4,450	-17,252	3,971
Oil and gas extraction	<1	31,607	398,437	441,992
Coal mining	<1	10,782	42,097	66,092
Copper, nickel, lead, and zinc mining	<1	6,195	31,867	49,377
Iron ore mining	0	0	0	0
Gold ore mining	<1	6,250	22,928	41,914
Silver ore mining	<1	1,171	2,886	5,596
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	472	1,230	1,999
Stone mining and quarrying	<1	484	2,779	3,901
Sand and gravel mining	<1	1,579	3,396	5,807
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	61	99	185
Phosphate rock mining	<1	14	32	56
Other chemical and fertilizer mineral mining	<1	224	378	724
Other nonmetallic minerals	<1	691	1,468	2,564
Drilling oil and gas wells	<1	12	77	102
Support activities for oil and gas operations	<1	346	803	1,229
Metal mining services	<1	1,766	19,366	28,483
Other nonmetallic minerals services	<1	97	1,166	1,426
Electric power generation - Hydroelectric	<1	7,630	15,382	39,194
Electric power generation - Fossil fuel	<1	9,606	31,896	117,441
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	196	388	945
Electric power generation - Wind	<1	270	1,973	5,227
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	404	1,000	3,914
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	40,879	119,858	351,582

## Appendix

Natural gas distribution	<1	19,803	61,268	135,090
Water, sewage and other systems	<1	7,928	14,352	26,358
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	28,633	44,201	94,672
Maintenance and repair construction of residential structures	<1	16,869	24,244	51,854
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	17	26	56
Dog and cat food manufacturing	<1	96	167	1,809
Other animal food manufacturing	<1	1,045	2,077	17,301
Flour milling	<1	272	399	6,881
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	49	58	460

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	107	122	1,024
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	13	17	159
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	175	211	3,047
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	43	50	532
Frozen cakes and other pastries manufacturing	<1	1,345	1,641	3,171
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	694	841	7,637
Meat processed from carcasses	<1	2,200	2,184	21,013
Rendering and meat byproduct processing	<1	47	64	380
Seafood product preparation and packaging	<1	9,235	9,748	49,346
Bread and bakery product, except frozen, manufacturing	<1	5,284	6,289	17,449
Cookie and cracker manufacturing	<1	284	319	1,678
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	544	619	3,141
Roasted nuts and peanut butter manufacturing	<1	701	754	3,662
Other snack food manufacturing	<1	791	939	4,690
Coffee and tea manufacturing	<1	131	167	2,197
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	5	7	58
Spice and extract manufacturing	<1	17	20	192
All other food manufacturing	<1	101	116	743
Bottled and canned soft drinks & water	<1	894	1,137	10,570
Manufactured ice	<1	234	126	960



## Appendix

Breweries	<1	4,568	6,684	25,831
Wineries	<1	123	159	1,016
Distilleries	<1	220	814	2,926
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	60	57	1,646
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	48	42	492
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	20	18	179
Hosiery and sock mills	<1	2	3	7
Other apparel knitting mills	<1	4	5	12
Cut and sew apparel contractors	<1	4	6	11
Men's and boys' cut and sew apparel manufacturing	<1	3	3	39
Women's and girls' cut and sew apparel manufacturing	<1	4	4	121
Other cut and sew apparel manufacturing	<1	2	3	27
Apparel accessories and other apparel manufacturing	<1	9	10	161
Leather and hide tanning and finishing	<1	3	5	160
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	1	2	25
Sawmills	<1	641	2,051	8,981
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	40	119	390
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	244	519	1,819
Cut stock, resawing lumber, and planing	0	0	0	0

Appendix

Other millwork, including flooring	<1	106	317	959
Wood container and pallet manufacturing	<1	409	926	2,523
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	107	381	1,025
All other miscellaneous wood product manufacturing	<1	303	736	2,528
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	159	121	719
Printing	<1	5,706	7,204	19,192
Support activities for printing	<1	270	334	677
Petroleum refineries	<1	10,239	43,523	409,749
Asphalt paving mixture and block manufacturing	<1	47	56	292
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	<1	48	53	1,199
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	138	221	3,244

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	<1	8
Pharmaceutical preparation manufacturing	<1	20	26	245
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	36	46	808
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	5	7	101
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	313	327	3,825
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	372	601	4,225
Urethane and other foam product (except polystyrene) manufacturing	<1	54	84	636
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	0	0	0	0
Tire manufacturing	<1	742	902	8,135

## Appendix

Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	248	345	1,507
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,455	1,884	9,293
Concrete block and brick manufacturing	<1	796	1,085	3,870
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	181	221	735
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	46	53	193
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	146	262	1,314
Miscellaneous nonmetallic mineral products manufacturing	<1	30	49	219
Iron and steel mills and ferroalloy manufacturing	<1	75	110	2,450
Iron, steel pipe and tube manufacturing from purchased steel	<1	25	33	337
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	96	263	2,513

## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	<1	28	36	413
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	26	42	277
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	118	153	1,016
Fabricated structural metal manufacturing	<1	767	969	5,523
Plate work manufacturing	<1	70	75	384
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	86	103	444
Ornamental and architectural metal work manufacturing	<1	105	118	537
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	102	114	486
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	52	62	367
Machine shops	<1	516	567	1,520
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	23	33	186
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	55	69	346
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	372	634	2,459
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	97	111	457
Other fabricated metal manufacturing	<1	405	475	1,939
Farm machinery and equipment manufacturing	<1	69	144	743
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	21	29	93
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	2	3	10
Photographic and photocopying equipment manufacturing	<1	<1	<1	3
Other commercial service industry machinery manufacturing	<1	9	16	58
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	86	148	518
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	52	82	221
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	1	2	8
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	3	9
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	7	9	36
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	8
Search, detection, and navigation instruments manufacturing	<1	<1	1	4
Automatic environmental control manufacturing	<1	62	71	195
Industrial process variable instruments manufacturing	<1	22	27	85
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	5	7	21
Irradiation apparatus manufacturing	<1	1	2	6
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0



## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	116	93	1,504
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	14
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	97	134	1,208
Motor vehicle gasoline engine and engine parts manufacturing	<1	76	161	2,031
Motor vehicle electrical and electronic equipment manufacturing	<1	23	44	151
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	<1	31	42	592
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	24	47	151
Other aircraft parts and auxiliary equipment manufacturing	<1	26	35	100
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	674	861	2,322
Boat building	<1	2,062	2,881	11,083
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	157	272	639
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	81	113	363
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	15	29	79
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	48	48	189
Surgical and medical instrument manufacturing	<1	9	10	60
Surgical appliance and supplies manufacturing	<1	40	44	343

## Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	50	50	148
Jewelry and silverware manufacturing	<1	319	456	1,733
Sporting and athletic goods manufacturing	<1	10	11	114
Doll, toy, and game manufacturing	<1	122	113	1,164
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	864	431	3,388
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	7	8	73
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,494	5,091	12,948
Wholesale - Professional and commercial equipment and supplies	<1	10,285	15,589	30,978
Wholesale - Household appliances and electrical and electronic goods	<1	2,883	6,615	18,773
Wholesale - Machinery, equipment, and supplies	<1	14,899	26,558	52,968
Wholesale - Other durable goods merchant wholesalers	<1	14,348	24,823	62,202
Wholesale - Drugs and druggists'sundries	<1	2,200	5,012	15,626
Wholesale - Grocery and related product wholesalers	<1	19,199	27,550	66,534
Wholesale - Petroleum and petroleum products	<1	7,749	79,942	106,679
Wholesale - Other nondurable goods merchant wholesalers	<1	25,484	50,663	114,463
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,704	5,305	6,959
Retail - Motor vehicle and parts dealers	<1	32,852	40,524	61,256
Retail - Furniture and home furnishings stores	<1	14,199	17,196	30,315

## Appendix

Retail - Electronics and appliance stores	<1	14,779	11,556	21,496
Retail - Building material and garden equipment and supplies stores	<1	24,114	37,979	58,094
Retail - Food and beverage stores	1	51,731	63,598	104,302
Retail - Health and personal care stores	<1	19,383	23,893	36,701
Retail - Gasoline stores	<1	26,039	37,784	69,049
Retail - Clothing and clothing accessories stores	<1	18,102	24,572	56,529
Retail - Sporting goods, hobby, musical instrument and book stores	<1	17,877	21,330	38,756
Retail - General merchandise stores	1	66,239	87,067	147,550
Retail - Miscellaneous store retailers	1	47,861	41,845	67,452
Retail - Nonstore retailers	1	39,095	172,571	285,975
Air transportation	<1	64,697	104,473	240,833
Rail transportation	<1	-48	-59	36
Water transportation	<1	14,478	26,433	84,692
Truck transportation	<1	52,439	78,135	149,787
Transit and ground passenger transportation	<1	26,424	34,805	47,990
Pipeline transportation	<1	2,077	71,724	70,026
Scenic and sightseeing transportation and support activities for transportation	1	118,126	93,317	153,494
Couriers and messengers	<1	32,262	63,732	67,767
Warehousing and storage	<1	9,153	10,321	18,910
Newspaper publishers	<1	5,583	9,006	15,875
Periodical publishers	<1	698	957	2,432
Book publishers	<1	145	386	1,291
Directory, mailing list, and other publishers	<1	275	642	1,297
Greeting card publishing	0	0	0	0
Software publishers	<1	7,380	13,430	24,803
Motion picture and video industries	<1	4,966	8,576	27,204
Sound recording industries	<1	368	2,058	5,386
Radio and television broadcasting	<1	33,147	50,365	162,384
Cable and other subscription programming	<1	897	5,648	18,384
Wired telecommunications carriers	<1	34,825	94,702	169,771

## Appendix

Wireless telecommunications carriers (except satellite)	<1	2,778	32,598	67,771
Satellite, telecommunications resellers, and all other telecommunications	<1	6,319	7,945	20,665
Data processing, hosting, and related services	<1	6,539	28,791	70,109
News syndicates, libraries, archives and all other information services	<1	2,796	8,515	15,476
Internet publishing and broadcasting and web search portals	<1	3,212	21,926	65,409
Nondepository credit intermediation and related activities	<1	17,603	18,503	30,048
Securities and commodity contracts intermediation and brokerage	<1	20,809	21,136	64,904
Monetary authorities and depository credit intermediation	2	155,052	411,100	692,828
Other financial investment activities	<1	13,639	16,814	72,985
Direct life insurance carriers	<1	2,802	8,058	12,162
Insurance carriers, except direct life	<1	14,426	65,288	127,951
Insurance agencies, brokerages, and related activities	<1	25,991	46,002	112,143
Funds, trusts, and other financial vehicles	<1	25,488	27,493	96,718
Other real estate	7	302,588	926,115	1,794,636
Tenant-occupied housing	1	51,615	221,690	251,180
Owner-occupied dwellings	0	0	816,761	991,824
Automotive equipment rental and leasing	<1	14,765	103,875	127,770
General and consumer goods rental except video tapes and discs	<1	8,323	17,438	27,029
Video tape and disc rental	<1	3,524	5,477	9,525
Commercial and industrial machinery and equipment rental and leasing	<1	8,890	49,638	60,413
Lessors of nonfinancial intangible assets	<1	-1,369	19,642	23,126
Legal services	2	172,957	235,620	382,748
Accounting, tax preparation, bookkeeping, and payroll services	<1	44,881	57,265	100,627
Architectural, engineering, and related services	2	154,231	168,673	321,912
Specialized design services	<1	1,770	2,965	5,790

## Appendix

Custom computer programming services	<1	8,393	9,719	14,175
Computer systems design services	<1	8,251	7,808	10,949
Other computer related services, including facilities management	<1	11,878	14,604	36,032
Management consulting services	2	163,745	167,678	295,821
Environmental and other technical consulting services	<1	55,491	61,287	103,583
Scientific research and development services	68	6,901,085	8,057,290	16,402,610
Advertising, public relations, and related services	<1	30,238	48,622	136,116
Photographic services	<1	2,291	5,052	12,246
Veterinary services	<1	11,969	13,380	21,007
Marketing research and all other miscellaneous professional, scientific, and technical services	2	138,016	237,149	509,100
Management of companies and enterprises	3	310,688	332,602	593,698
Office administrative services	<1	65,806	39,463	87,674
Facilities support services	<1	11,413	15,943	35,178
Employment services	1	71,607	101,750	164,796
Business support services	<1	15,369	14,293	25,520
Travel arrangement and reservation services	<1	15,379	25,800	97,187
Investigation and security services	<1	29,434	29,639	42,493
Services to buildings	<1	31,534	44,971	100,137
Landscape and horticultural services	<1	17,233	21,158	41,733
Other support services	<1	10,458	12,498	24,984
Waste management and remediation services	<1	25,940	38,198	75,197
Elementary and secondary schools	<1	3,646	2,631	3,614
Junior colleges, colleges, universities, and professional schools	6	236,603	265,081	401,069
Other educational services	<1	23,218	24,454	52,012
Offices of physicians	3	300,475	299,237	425,429
Offices of dentists	<1	47,243	57,297	77,040
Offices of other health practitioners	<1	67,758	105,997	129,551
Outpatient care centers	1	113,820	111,803	161,432
Medical and diagnostic laboratories	<1	8,450	14,285	19,341
Home health care services	<1	22,890	22,595	31,603

## Appendix

Other ambulatory health care services	<1	22,280	26,629	35,160
Hospitals	4	405,158	484,939	829,659
Nursing and community care facilities	<1	15,651	18,158	29,391
Residential mental retardation, mental health, substance abuse and other facilities	<1	24,683	25,085	37,352
Individual and family services	2	73,370	67,117	89,157
Child day care services	<1	23,159	36,965	47,240
Community food, housing, and other relief services, including rehabilitation services	<1	28,304	26,333	55,257
Performing arts companies	<1	7,338	10,708	29,742
Commercial Sports Except Racing	<1	5,374	4,940	11,388
Racing and Track Operation	<1	1,972	3,066	7,191
Independent artists, writers, and performers	<1	3,065	5,834	14,174
Promoters of performing arts and sports and agents for public figures	<1	7,775	13,992	54,235
Museums, historical sites, zoos, and parks	<1	4,968	5,828	10,176
Amusement parks and arcades	<1	2,033	2,480	3,087
Gambling industries (except casino hotels)	<1	20,591	54,154	80,955
Other amusement and recreation industries	<1	16,420	13,808	20,684
Fitness and recreational sports centers	<1	6,869	7,904	14,013
Bowling centers	<1	1,498	2,252	3,545
Hotels and motels, including casino hotels	<1	5,412	12,953	19,668
Other accommodations	<1	1,847	1,932	2,659
Full-service restaurants	3	105,345	139,457	264,238
Limited-service restaurants	2	71,625	95,181	222,127
All other food and drinking places	2	88,111	126,344	197,032
Automotive repair and maintenance, except car washes	1	73,026	67,325	102,007
Car washes	<1	29,559	37,789	58,667
Electronic and precision equipment repair and maintenance	<1	9,543	12,315	21,667
Commercial and industrial machinery and equipment repair and maintenance	<1	37,566	30,477	50,942
Personal and household goods repair and maintenance	<1	9,313	15,082	22,430

## Appendix

Personal care services	<1	27,662	15,523	19,189
Death care services	<1	3,244	2,052	2,876
Dry-cleaning and laundry services	<1	10,620	6,102	8,127
Other personal services	<1	15,965	18,308	26,002
Religious organizations	1	74,649	22,769	91,283
Grantmaking, giving, and social advocacy organizations	<1	35,912	80,208	129,190
Business and professional associations	<1	14,679	20,064	40,968
Labor and civic organizations	<1	25,808	55,828	93,799
Private households	<1	6,547	6,547	6,576
Postal service	<1	30,007	30,097	30,322
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,756	5,404	16,233
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	81,484	63,967	117,851
Local government passenger transit	<1	40	-18	8
Local government electric utilities	<1	1,185	1,998	7,359
Other local government enterprises	<1	5,846	-2,283	15,448
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Arizona

## NASA

Table 634: Detailed NASA Impacts by Types of Impact, Arizona

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,913</i>	<i>226,387,750</i>	<i>359,426,079</i>	<i>649,919,847</i>
Oilseed farming	0	0	0	0
Grain farming	1	55,398	166,420	515,792
Vegetable and melon farming	1	54,413	118,510	261,453
Fruit farming	<1	17,661	38,640	70,113
Tree nut farming	<1	8,369	18,605	34,679
Greenhouse, nursery, and floriculture production	<1	28,979	51,359	97,176
Tobacco farming	0	0	0	0
Cotton farming	<1	6,614	10,744	17,359
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	4	48,590	83,089	165,367
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	3	34,932	182,867	587,617
Dairy cattle and milk production	1	43,481	112,948	643,040
Poultry and egg production	<1	4,146	7,779	71,688
Animal production, except cattle and poultry and eggs	2	62,083	306,879	375,380
Forestry, forest products, and timber tract production	<1	3,238	4,611	5,988
Commercial logging	<1	3,722	7,915	10,753
Commercial fishing	<1	3,969	8,659	8,742
Commercial hunting and trapping	<1	2,041	7,243	8,292
Support activities for agriculture and forestry	8	371,366	401,136	439,251
Oil and gas extraction	<1	9,513	7,189	803,608
Coal mining	<1	7,659	22,960	34,687
Copper, nickel, lead, and zinc mining	2	300,105	1,298,520	1,950,325
Iron ore mining	0	0	0	0
Gold ore mining	<1	2,988	8,558	15,397
Silver ore mining	<1	439	892	1,629
Uranium-radium-vanadium ore mining	<1	374	1,177	1,947
Other metal ore mining	<1	1,725	3,563	5,889
Stone mining and quarrying	<1	12,928	50,367	79,500
Sand and gravel mining	<1	12,000	21,788	40,266

## Appendix

Other clay, ceramic, refractory minerals mining	<1	2,505	5,045	10,604
Potash, soda, and borate mineral mining	<1	1,531	2,272	4,100
Phosphate rock mining	<1	521	991	1,821
Other chemical and fertilizer mineral mining	<1	238	364	684
Other nonmetallic minerals	<1	2,929	5,303	9,802
Drilling oil and gas wells	<1	13	17	72
Support activities for oil and gas operations	<1	76	81	391
Metal mining services	<1	4,874	2,848	63,156
Other nonmetallic minerals services	<1	281	375	2,725
Electric power generation - Hydroelectric	<1	4,182	10,110	18,980
Electric power generation - Fossil fuel	<1	97,448	373,548	877,455
Electric power generation - Nuclear	<1	120,685	248,729	490,803
Electric power generation - Solar	<1	5,942	13,903	24,277
Electric power generation - Wind	<1	11,560	82,980	130,168
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	13,299	40,224	103,806
Electric power generation - All other	<1	3,404	789	2,408
Electric power transmission and distribution	4	864,221	2,945,856	6,005,002
Natural gas distribution	<1	138,673	509,562	1,074,737
Water, sewage and other systems	<1	67,868	137,951	224,599
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	11	750,407	1,320,323	2,950,991
Maintenance and repair construction of residential structures	4	287,542	464,394	1,020,276
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	240	420	944
Dog and cat food manufacturing	<1	13,372	34,008	132,323
Other animal food manufacturing	<1	20,781	40,691	308,084
Flour milling	<1	1,024	2,120	17,293
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	765	4,532	40,237
Fats and oils refining and blending	<1	611	1,585	14,544
Breakfast cereal manufacturing	<1	6,564	15,678	58,132
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3,023	4,242	19,594
Chocolate and confectionery manufacturing from cacao beans	<1	289	434	2,626
Confectionery manufacturing from purchased chocolate	<1	229	338	3,272
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	1,993	2,705	16,595
Canned fruits and vegetables manufacturing	<1	4,938	9,395	46,472
Canned specialties	<1	5,620	12,710	70,165
Dehydrated food products manufacturing	<1	201	362	1,729
Cheese manufacturing	<1	5,184	7,207	68,546
Dry, condensed, and evaporated dairy product manufacturing	<1	16,620	38,660	208,457
Fluid milk manufacturing	<1	75,307	119,243	660,237
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	7,970	11,256	52,611

## Appendix

Frozen cakes and other pastries manufacturing	<1	37,832	56,543	103,909
Poultry processing	<1	10,387	12,887	67,526
Animal, except poultry, slaughtering	1	80,512	97,734	844,616
Meat processed from carcasses	<1	10,663	13,140	85,439
Rendering and meat byproduct processing	<1	2,695	3,213	17,065
Seafood product preparation and packaging	<1	576	796	7,480
Bread and bakery product, except frozen, manufacturing	3	126,787	185,711	457,865
Cookie and cracker manufacturing	<1	17,367	24,631	85,546
Dry pasta, mixes, and dough manufacturing	<1	3,276	7,425	29,455
Tortilla manufacturing	<1	16,137	21,214	76,875
Roasted nuts and peanut butter manufacturing	<1	6,641	10,253	46,307
Other snack food manufacturing	<1	43,931	112,565	425,822
Coffee and tea manufacturing	<1	920	1,688	13,610
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	297	554	3,257
Spice and extract manufacturing	<1	521	842	4,697
All other food manufacturing	<1	30,508	43,006	227,678
Bottled and canned soft drinks & water	1	98,146	169,208	781,368
Manufactured ice	<1	5,181	3,477	15,236
Breweries	<1	25,877	49,594	154,605
Wineries	<1	8,953	15,457	67,531
Distilleries	<1	1,010	3,874	10,988
Tobacco product manufacturing	<1	3,863	102,137	197,597
Fiber, yarn, and thread mills	<1	4,259	7,308	27,360
Broadwoven fabric mills	<1	1,490	3,176	9,952
Narrow fabric mills and schiffli machine embroidery	<1	443	580	1,575
Nonwoven fabric mills	<1	2,023	5,582	15,379
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	16,755	31,805	121,448
Fabric coating mills	<1	2,001	3,532	7,977
Carpet and rug mills	<1	2,411	5,595	19,282
Curtain and linen mills	<1	1,338	2,510	7,543
Textile bag and canvas mills	<1	2,413	5,147	11,796
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	7,560	12,392	30,354
Hosiery and sock mills	<1	270	462	1,064
Other apparel knitting mills	<1	330	564	1,326
Cut and sew apparel contractors	<1	2,530	3,234	8,369
Men's and boys' cut and sew apparel manufacturing	<1	443	737	2,250
Women's and girls' cut and sew apparel manufacturing	<1	482	1,132	4,701
Other cut and sew apparel manufacturing	<1	350	649	1,995
Apparel accessories and other apparel manufacturing	<1	379	724	2,050
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	99	123	666
Other leather and allied product manufacturing	<1	717	1,010	3,607
Sawmills	<1	3,302	4,011	24,472
Wood preservation	<1	956	1,309	8,400
Veneer and plywood manufacturing	<1	419	498	1,742
Engineered wood member and truss manufacturing	<1	13,549	14,949	58,251
Reconstituted wood product manufacturing	<1	420	596	3,304
Wood windows and door manufacturing	<1	66,263	68,596	216,655
Cut stock, resawing lumber, and planing	<1	1,910	2,334	8,167
Other millwork, including flooring	<1	3,733	4,055	16,874
Wood container and pallet manufacturing	<1	16,652	17,113	56,951
Manufactured home (mobile home) manufacturing	<1	149	157	465
Prefabricated wood building manufacturing	<1	6,353	6,717	27,048
All other miscellaneous wood product manufacturing	<1	13,395	13,711	49,810
Pulp mills	0	0	0	0
Paper mills	<1	4,512	8,531	51,506
Paperboard mills	<1	1,704	3,139	21,174
Paperboard container manufacturing	<1	73,891	103,440	491,430
Paper bag and coated and treated paper manufacturing	<1	24,562	34,536	131,721
Stationery product manufacturing	<1	4,243	5,139	22,291

## Appendix

Sanitary paper product manufacturing	<1	42,901	105,025	390,721
All other converted paper product manufacturing	<1	12,717	19,236	69,494
Printing	5	309,034	586,746	1,053,112
Support activities for printing	<1	9,891	19,200	28,290
Petroleum refineries	<1	99	2,083	18,573
Asphalt paving mixture and block manufacturing	<1	5,548	11,462	42,316
Asphalt shingle and coating materials manufacturing	<1	2,730	19,453	40,029
Petroleum lubricating oil and grease manufacturing	<1	1,135	5,597	13,621
All other petroleum and coal products manufacturing	<1	800	4,628	11,047
Petrochemical manufacturing	<1	7,751	50,758	357,932
Industrial gas manufacturing	<1	36,874	68,946	276,885
Synthetic dye and pigment manufacturing	<1	7,758	10,939	49,629
Other basic inorganic chemical manufacturing	<1	8,406	12,818	62,130
Other basic organic chemical manufacturing	<1	6,225	10,619	120,541
Plastics material and resin manufacturing	<1	8,557	12,273	144,171
Synthetic rubber manufacturing	<1	298	385	3,745
Artificial and synthetic fibers and filaments manufacturing	<1	2,797	3,667	35,144
Nitrogenous fertilizer manufacturing	<1	12,937	27,022	158,741
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1,460	2,055	11,796
Pesticide and other agricultural chemical manufacturing	<1	10,155	22,541	210,754
Medicinal and botanical manufacturing	<1	7,471	8,417	44,576
Pharmaceutical preparation manufacturing	<1	35,555	58,791	280,918
In-vitro diagnostic substance manufacturing	<1	9,247	10,326	36,108
Biological product (except diagnostic) manufacturing	<1	343	593	2,090
Paint and coating manufacturing	<1	12,665	17,836	103,234
Adhesive manufacturing	<1	3,680	4,427	23,407
Soap and other detergent manufacturing	<1	15,812	26,583	176,076
Polish and other sanitation good manufacturing	<1	1,915	2,259	9,427

## Appendix

Surface active agent manufacturing	<1	1,158	2,662	11,241
Toilet preparation manufacturing	<1	10,527	18,130	81,937
Printing ink manufacturing	<1	395	412	1,919
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	5,676	7,682	34,175
Photographic film and chemical manufacturing	<1	3,475	5,198	21,862
Other miscellaneous chemical product manufacturing	<1	13,122	15,746	76,657
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	7,897	17,032	62,053
Unlaminated plastics profile shape manufacturing	<1	4,466	14,899	38,813
Plastics pipe and pipe fitting manufacturing	<1	7,724	34,810	89,686
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4,286	9,799	23,214
Polystyrene foam product manufacturing	<1	16,735	41,111	134,094
Urethane and other foam product (except polystyrene) manufacturing	<1	3,586	8,449	27,245
Plastics bottle manufacturing	<1	6,358	13,039	47,846
Other plastics product manufacturing	2	133,980	257,708	758,632
Tire manufacturing	<1	7,462	11,109	45,135
Rubber and plastics hoses and belting manufacturing	<1	51	106	320
Other rubber product manufacturing	<1	17,861	26,588	71,225
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,447	2,469	5,027
Brick, tile, and other structural clay product manufacturing	<1	5,319	9,853	20,422
Flat glass manufacturing	<1	2,622	5,751	15,389
Other pressed and blown glass and glassware manufacturing	<1	2,585	4,691	13,033
Glass container manufacturing	<1	1,718	3,011	8,915
Glass product manufacturing made of purchased glass	<1	33,742	67,020	168,447
Cement manufacturing	<1	10,185	26,380	70,951
Ready-mix concrete manufacturing	<1	53,706	95,502	292,893
Concrete block and brick manufacturing	<1	15,629	30,346	70,983
Concrete pipe manufacturing	<1	5,516	10,007	23,682



## Appendix

Other concrete product manufacturing	<1	12,823	20,527	50,605
Lime manufacturing	<1	3,017	7,362	20,018
Gypsum product manufacturing	<1	6,402	20,931	48,915
Abrasive product manufacturing	<1	6,318	15,361	23,858
Cut stone and stone product manufacturing	<1	16,689	22,896	51,790
Ground or treated mineral and earth manufacturing	<1	4,699	12,438	33,705
Mineral wool manufacturing	<1	1,009	3,137	8,786
Miscellaneous nonmetallic mineral products manufacturing	<1	2,608	6,827	15,220
Iron and steel mills and ferroalloy manufacturing	<1	16,808	48,008	262,429
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,037	9,311	44,743
Rolled steel shape manufacturing	<1	10,766	38,079	156,368
Steel wire drawing	<1	1,485	3,090	13,645
Alumina refining and primary aluminum production	<1	5,705	9,963	63,042
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	7,906	17,592	79,135
Other aluminum rolling, drawing and extruding	<1	8,941	13,386	60,290
Nonferrous metal (exc aluminum) smelting and refining	<1	6,395	43,421	127,373
Copper rolling, drawing, extruding and alloying	<1	2,616	5,569	49,373
Nonferrous metal, except copper and aluminum, shaping	<1	1,696	2,110	8,968
Secondary processing of other nonferrous metals	<1	136	296	1,331
Ferrous metal foundries	<1	6,393	10,870	25,339
Nonferrous metal foundries	<1	12,187	16,664	43,858
Custom roll forming	<1	306	409	2,550
Crown and closure manufacturing and metal stamping	<1	24,535	30,318	113,228
Iron and steel forging	<1	436	569	3,011
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	1,845	3,296	15,857
Handtool manufacturing	<1	988	1,433	4,719
Prefabricated metal buildings and components manufacturing	<1	11,652	15,568	47,021

## Appendix

Fabricated structural metal manufacturing	<1	29,809	40,891	164,455
Plate work manufacturing	<1	13,465	15,114	51,158
Metal window and door manufacturing	<1	35,099	45,345	149,723
Sheet metal work manufacturing	<1	50,867	64,150	207,292
Ornamental and architectural metal work manufacturing	<1	25,040	29,187	90,059
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	418	497	1,825
Metal cans manufacturing	<1	12,525	20,343	114,428
Metal barrels, drums and pails manufacturing	<1	1,422	1,757	7,445
Hardware manufacturing	<1	1,993	2,719	10,939
Spring and wire product manufacturing	<1	8,414	10,458	40,839
Machine shops	2	148,346	168,884	401,433
Turned product and screw, nut, and bolt manufacturing	<1	42,619	51,633	142,308
Metal heat treating	<1	5,162	6,381	19,901
Metal coating and nonprecious engraving	<1	13,609	20,769	72,447
Electroplating, anodizing, and coloring metal	<1	12,177	13,162	33,700
Valve and fittings, other than plumbing, manufacturing	<1	22,544	30,243	94,598
Plumbing fixture fitting and trim manufacturing	<1	1,013	2,005	10,775
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	8,666	15,991	30,994
Ammunition, except for small arms, manufacturing	<1	137	157	399
Small arms, ordnance, and accessories manufacturing	<1	65,501	111,904	258,314
Fabricated pipe and pipe fitting manufacturing	<1	644	766	2,406
Other fabricated metal manufacturing	<1	28,831	36,134	132,139
Farm machinery and equipment manufacturing	<1	81	154	825
Lawn and garden equipment manufacturing	<1	1,885	3,351	15,300
Construction machinery manufacturing	<1	4,075	9,410	20,696
Mining machinery and equipment manufacturing	<1	123	177	576

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	78	100	312
Semiconductor machinery manufacturing	<1	7,427	9,187	24,522
Food product machinery manufacturing	<1	8	9	40
Sawmill, woodworking, and paper machinery	<1	25	29	101
Printing machinery and equipment manufacturing	<1	60	67	255
All other industrial machinery manufacturing	<1	368	471	1,520
Optical instrument and lens manufacturing	<1	402	573	1,561
Photographic and photocopying equipment manufacturing	<1	130	160	531
Other commercial service industry machinery manufacturing	<1	1,810	2,911	9,537
Air purification and ventilation equipment manufacturing	<1	1,707	2,211	5,722
Heating equipment (except warm air furnaces) manufacturing	<1	720	1,142	4,552
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,612	12,973	46,096
Industrial mold manufacturing	<1	1,203	1,449	3,172
Special tool, die, jig, and fixture manufacturing	<1	209	275	594
Cutting tool and machine tool accessory manufacturing	<1	1,846	2,152	5,749
Machine tool manufacturing	<1	1,035	1,320	4,405
Rolling mill and other metalworking machinery manufacturing	<1	268	359	951
Turbine and turbine generator set units manufacturing	<1	43	47	185
Speed changer, industrial high-speed drive, and gear manufacturing	<1	143	203	650
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	432	941	4,304
Pump and pumping equipment manufacturing	<1	306	512	1,577
Air and gas compressor manufacturing	<1	39	52	157
Elevator and moving stairway manufacturing	<1	49	64	232

## Appendix

Conveyor and conveying equipment manufacturing	<1	55	64	254
Overhead cranes, hoists, and monorail systems manufacturing	<1	15	28	118
Industrial truck, trailer, and stacker manufacturing	<1	34	57	230
Power-driven handtool manufacturing	<1	256	689	927
Welding and soldering equipment manufacturing	<1	64	96	364
Packaging machinery manufacturing	<1	93	137	396
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	2,281	3,149	4,188
Fluid power pump and motor manufacturing	<1	1,548	2,458	3,804
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	204	250	765
Electronic computer manufacturing	<1	85,882	129,282	554,873
Computer storage device manufacturing	<1	103,562	169,938	537,424
Computer terminals and other computer peripheral equipment manufacturing	<1	84,423	131,061	388,251
Telephone apparatus manufacturing	<1	74	129	443
Broadcast and wireless communications equipment manufacturing	40	5,380,375	7,622,800	18,803,743
Other communications equipment manufacturing	<1	1,572	2,610	7,009
Audio and video equipment manufacturing	<1	294	526	3,504
Printed circuit assembly (electronic assembly) manufacturing	<1	31,747	51,727	155,696
Bare printed circuit board manufacturing	<1	6,405	8,103	22,885
Semiconductor and related device manufacturing	2	357,536	593,661	1,845,222
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,818	2,350	7,407
Electronic connector manufacturing	<1	37,683	51,711	162,532
Other electronic component manufacturing	<1	28,947	36,460	97,992

Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	443	719	2,304
Search, detection, and navigation instruments manufacturing	<1	25,183	47,191	117,139
Automatic environmental control manufacturing	<1	4,793	6,664	25,370
Industrial process variable instruments manufacturing	<1	3,351	5,215	14,651
Totalizing fluid meter and counting device manufacturing	<1	2,742	5,576	8,977
Electricity and signal testing instruments manufacturing	<1	6,759	8,448	22,155
Analytical laboratory instrument manufacturing	<1	119,419	193,613	382,910
Irradiation apparatus manufacturing	<1	88	158	296
Watch, clock, and other measuring and controlling device manufacturing	<1	16,991	25,315	106,933
Blank magnetic and optical recording media manufacturing	<1	1,721	6,048	27,252
Software and other prerecorded and record reproducing	<1	1,711	2,486	7,002
Electric lamp bulb and part manufacturing	<1	905	2,074	4,536
Lighting fixture manufacturing	<1	9,233	15,323	46,273
Small electrical appliance manufacturing	<1	860	3,235	10,080
Household cooking appliance manufacturing	<1	1,409	6,273	14,663
Household refrigerator and home freezer manufacturing	<1	1,739	7,012	15,958
Household laundry equipment manufacturing	<1	5,247	13,624	42,062
Other major household appliance manufacturing	<1	765	3,756	7,528
Power, distribution, and specialty transformer manufacturing	<1	129	240	538
Motor and generator manufacturing	<1	536	1,511	4,248
Switchgear and switchboard apparatus manufacturing	<1	697	1,939	4,394
Relay and industrial control manufacturing	<1	1,597	2,796	7,055
Storage battery manufacturing	<1	9,239	21,754	52,150
Primary battery manufacturing	<1	1,748	38,753	23,253
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	1,746	4,898	15,699
Wiring device manufacturing	<1	2,580	8,497	15,179
Carbon and graphite product manufacturing	<1	3,270	6,688	16,285
All other miscellaneous electrical equipment and component manufacturing	<1	12,371	16,056	39,477
Automobile manufacturing	<1	64,225	146,154	1,119,745
Light truck and utility vehicle manufacturing	<1	11,308	25,628	289,726
Heavy duty truck manufacturing	<1	9,822	15,558	37,773
Motor vehicle body manufacturing	<1	1,010	1,201	5,503
Truck trailer manufacturing	<1	48	55	307
Motor home manufacturing	<1	41,725	59,709	251,744
Travel trailer and camper manufacturing	<1	18,742	20,831	108,990
Motor vehicle gasoline engine and engine parts manufacturing	<1	6,848	9,094	51,874
Motor vehicle electrical and electronic equipment manufacturing	<1	21,561	26,234	116,912
Motor vehicle transmission and power train parts manufacturing	<1	5,755	7,154	44,499
Motor vehicle seating and interior trim manufacturing	<1	10,655	11,595	62,838
Motor vehicle metal stamping	<1	1,846	2,108	10,459
Other motor vehicle parts manufacturing	1	96,742	115,207	652,328
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,612	3,240	11,598
Aircraft manufacturing	<1	1,080	2,290	4,796
Aircraft engine and engine parts manufacturing	<1	7,543	25,346	42,763
Other aircraft parts and auxiliary equipment manufacturing	<1	32,138	53,644	94,745
Guided missile and space vehicle manufacturing	<1	61,808	135,927	253,095
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,047	1,904	3,305
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	42	73	146
Boat building	<1	2,891	5,455	18,104
Motorcycle, bicycle, and parts manufacturing	<1	3,651	21,437	38,471

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	14,442	48,534	113,351
All other transportation equipment manufacturing	<1	1,660	5,014	16,695
Wood kitchen cabinet and countertop manufacturing	<1	28,602	36,423	95,436
Upholstered household furniture manufacturing	<1	2,358	2,610	9,725
Nonupholstered wood household furniture manufacturing	<1	18,397	21,115	64,824
Other household nonupholstered furniture manufacturing	<1	2,765	4,436	20,042
Institutional furniture manufacturing	2	98,869	104,625	384,459
Wood office furniture manufacturing	<1	37	47	158
Custom architectural woodwork and millwork	<1	689	677	2,348
Office furniture, except wood, manufacturing	<1	130	211	692
Showcase, partition, shelving, and locker manufacturing	<1	638	856	2,949
Mattress manufacturing	<1	10,415	17,877	82,559
Blind and shade manufacturing	<1	2,760	2,775	9,663
Surgical and medical instrument manufacturing	<1	12,287	21,611	43,992
Surgical appliance and supplies manufacturing	<1	43,435	98,004	196,762
Dental equipment and supplies manufacturing	<1	57	109	215
Ophthalmic goods manufacturing	<1	2,504	5,724	10,876
Dental laboratories	<1	7,955	9,456	17,286
Jewelry and silverware manufacturing	<1	12,180	21,682	57,979
Sporting and athletic goods manufacturing	<1	16,121	26,089	67,653
Doll, toy, and game manufacturing	<1	989	2,253	6,879
Office supplies (except paper) manufacturing	<1	3,671	6,427	21,634
Sign manufacturing	<1	23,704	23,163	54,851
Gasket, packing, and sealing device manufacturing	<1	3,558	4,228	10,759
Musical instrument manufacturing	<1	441	512	1,433
Fasteners, buttons, needles, and pins manufacturing	<1	3,074	3,817	11,906

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	2,892	4,780	12,485
All other miscellaneous manufacturing	<1	13,125	20,283	49,189
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	174,447	357,568	852,585
Wholesale - Professional and commercial equipment and supplies	10	1,391,371	2,076,759	3,616,837
Wholesale - Household appliances and electrical and electronic goods	12	1,472,514	3,314,581	7,179,728
Wholesale - Machinery, equipment, and supplies	5	586,123	1,041,664	1,887,644
Wholesale - Other durable goods merchant wholesalers	8	761,734	1,314,798	2,836,655
Wholesale - Drugs and druggists'sundries	4	522,076	1,176,124	2,971,009
Wholesale - Grocery and related product wholesalers	7	649,827	941,470	1,915,340
Wholesale - Petroleum and petroleum products	<1	79,122	905,210	1,132,019
Wholesale - Other nondurable goods merchant wholesalers	9	832,827	1,698,895	3,478,047
Wholesale - Wholesale electronic markets and agents and brokers	3	434,289	487,164	578,498
Retail - Motor vehicle and parts dealers	10	719,689	1,099,560	1,543,464
Retail - Furniture and home furnishings stores	6	409,590	551,714	854,605
Retail - Electronics and appliance stores	6	380,520	344,298	567,905
Retail - Building material and garden equipment and supplies stores	8	432,941	862,806	1,209,785
Retail - Food and beverage stores	27	1,081,668	1,586,287	2,544,522
Retail - Health and personal care stores	13	713,459	929,313	1,357,845
Retail - Gasoline stores	8	402,666	841,205	1,467,558
Retail - Clothing and clothing accessories stores	11	437,989	753,595	1,484,908
Retail - Sporting goods, hobby, musical instrument and book stores	8	272,189	383,410	631,351
Retail - General merchandise stores	24	1,088,505	1,752,300	2,713,951
Retail - Miscellaneous store retailers	22	718,250	737,807	1,235,542
Retail - Nonstore retailers	23	604,930	3,311,640	5,387,476
Air transportation	8	918,437	2,548,546	4,643,966



## Appendix

Rail transportation	<1	134,978	573,834	807,837
Water transportation	<1	564	407	58,035
Truck transportation	18	1,340,407	2,111,459	4,302,662
Transit and ground passenger transportation	23	413,110	690,341	1,045,019
Pipeline transportation	<1	95,192	193,339	379,321
Scenic and sightseeing transportation and support activities for transportation	13	1,159,091	1,097,298	1,596,672
Couriers and messengers	30	564,988	1,438,369	1,801,729
Warehousing and storage	56	2,931,344	3,175,758	6,024,872
Newspaper publishers	1	80,181	116,206	185,915
Periodical publishers	1	114,447	145,842	264,001
Book publishers	<1	34,861	73,959	160,891
Directory, mailing list, and other publishers	<1	16,475	32,388	59,428
Greeting card publishing	0	0	0	0
Software publishers	9	1,536,559	2,518,163	3,602,076
Motion picture and video industries	4	132,097	214,986	825,607
Sound recording industries	<1	11,082	71,660	158,380
Radio and television broadcasting	3	1,622,934	1,750,807	2,751,684
Cable and other subscription programming	<1	362,449	796,927	1,739,580
Wired telecommunications carriers	3	366,648	721,555	1,486,069
Wireless telecommunications carriers (except satellite)	1	142,170	995,934	2,840,814
Satellite, telecommunications resellers, and all other telecommunications	2	218,797	246,167	643,739
Data processing, hosting, and related services	10	1,287,043	2,329,674	6,864,087
News syndicates, libraries, archives and all other information services	<1	94,838	132,692	291,974
Internet publishing and broadcasting and web search portals	3	553,739	1,167,288	4,436,794
Nondepository credit intermediation and related activities	15	1,639,162	1,755,283	2,764,968
Securities and commodity contracts intermediation and brokerage	28	1,736,700	1,391,873	3,281,063
Monetary authorities and depository credit intermediation	34	3,735,462	11,218,908	16,655,346

## Appendix

Other financial investment activities	17	928,737	1,068,537	3,064,040
Direct life insurance carriers	3	336,032	668,499	1,004,923
Insurance carriers, except direct life	14	1,337,775	4,060,637	9,040,141
Insurance agencies, brokerages, and related activities	22	1,935,957	2,995,908	7,162,122
Funds, trusts, and other financial vehicles	8	192,790	345,289	1,727,574
Other real estate	156	4,778,342	13,691,867	33,179,964
Tenant-occupied housing	9	256,319	3,868,810	4,097,074
Owner-occupied dwellings	0	0	16,348,830	19,730,331
Automotive equipment rental and leasing	3	277,223	999,302	1,200,762
General and consumer goods rental except video tapes and discs	3	278,826	481,587	661,594
Video tape and disc rental	1	67,587	105,872	171,711
Commercial and industrial machinery and equipment rental and leasing	2	335,235	1,015,529	1,204,694
Lessors of nonfinancial intangible assets	<1	44,576	1,480,420	1,556,299
Legal services	41	3,787,648	5,575,449	8,282,783
Accounting, tax preparation, bookkeeping, and payroll services	23	1,726,797	2,189,306	3,584,706
Architectural, engineering, and related services	35	3,020,017	3,330,980	6,221,914
Specialized design services	2	177,551	302,719	559,491
Custom computer programming services	10	960,956	1,031,938	1,453,023
Computer systems design services	9	912,722	879,260	1,156,897
Other computer related services, including facilities management	6	522,490	707,303	1,406,268
Management consulting services	97	8,493,147	8,823,825	14,946,652
Environmental and other technical consulting services	6	534,987	597,719	1,010,103
Scientific research and development services	699	77,148,549	109,387,602	193,931,477
Advertising, public relations, and related services	16	1,141,175	1,706,692	4,091,276
Photographic services	<1	38,894	96,960	219,654
Veterinary services	4	229,897	258,986	402,384
Marketing research and all other miscellaneous professional, scientific, and technical services	21	1,435,955	2,384,662	5,831,511
Management of companies and enterprises	59	6,678,031	7,887,965	13,438,317

## Appendix

Office administrative services	22	1,819,624	721,329	1,844,531
Facilities support services	3	178,688	248,220	577,429
Employment services	115	6,540,635	9,232,184	14,771,945
Business support services	20	1,080,934	950,436	1,709,708
Travel arrangement and reservation services	6	326,261	542,343	1,771,460
Investigation and security services	18	914,596	939,831	1,319,629
Services to buildings	23	934,699	1,368,810	2,715,659
Landscape and horticultural services	13	604,641	770,718	1,448,271
Other support services	4	241,637	316,322	628,839
Waste management and remediation services	4	360,036	895,688	1,537,549
Elementary and secondary schools	9	467,904	443,700	526,474
Junior colleges, colleges, universities, and professional schools	137	7,382,104	10,030,619	13,203,624
Other educational services	17	992,034	1,135,320	1,970,392
Offices of physicians	39	4,228,227	4,297,937	6,218,355
Offices of dentists	12	799,846	977,772	1,331,997
Offices of other health practitioners	12	710,330	1,119,313	1,415,716
Outpatient care centers	13	973,576	970,340	1,525,075
Medical and diagnostic laboratories	4	340,371	573,014	770,422
Home health care services	15	694,104	699,604	927,841
Other ambulatory health care services	4	319,466	384,788	557,619
Hospitals	60	5,768,019	6,865,799	12,427,337
Nursing and community care facilities	13	662,556	746,154	1,204,713
Residential mental retardation, mental health, substance abuse and other facilities	7	384,311	397,442	583,801
Individual and family services	28	1,070,785	1,013,297	1,364,768
Child day care services	9	318,139	569,180	716,805
Community food, housing, and other relief services, including rehabilitation services	5	224,382	225,767	459,570
Performing arts companies	3	78,183	160,001	286,978
Commercial Sports Except Racing	12	539,506	423,120	710,956
Racing and Track Operation	<1	13,602	29,502	50,571
Independent artists, writers, and performers	2	75,806	278,478	378,901

Appendix

Promoters of performing arts and sports and agents for public figures	4	88,654	285,900	604,011
Museums, historical sites, zoos, and parks	<1	51,511	62,690	107,749
Amusement parks and arcades	<1	14,761	33,665	42,124
Gambling industries (except casino hotels)	5	193,691	510,440	709,793
Other amusement and recreation industries	7	239,970	253,205	354,415
Fitness and recreational sports centers	6	128,449	165,180	272,635
Bowling centers	<1	21,893	32,667	49,225
Hotels and motels, including casino hotels	8	375,435	775,894	1,138,555
Other accommodations	2	71,433	90,528	117,679
Full-service restaurants	63	2,329,427	3,466,267	6,287,188
Limited-service restaurants	58	1,728,163	2,666,110	6,021,363
All other food and drinking places	39	1,414,161	2,090,843	3,305,966
Automotive repair and maintenance, except car washes	22	1,330,645	1,595,641	2,284,631
Car washes	11	688,867	1,025,483	1,523,904
Electronic and precision equipment repair and maintenance	5	437,526	614,873	937,086
Commercial and industrial machinery and equipment repair and maintenance	7	569,628	619,768	963,120
Personal and household goods repair and maintenance	3	171,753	352,138	489,704
Personal care services	20	628,183	419,157	512,326
Death care services	2	80,093	59,183	81,532
Dry-cleaning and laundry services	8	266,919	183,215	236,022
Other personal services	12	431,322	540,608	754,002
Religious organizations	13	806,886	469,202	1,252,908
Grantmaking, giving, and social advocacy organizations	5	378,414	1,241,362	1,710,130
Business and professional associations	2	179,023	299,465	494,692
Labor and civic organizations	5	195,156	605,098	948,898
Private households	9	178,019	178,019	178,019
Postal service	7	652,258	654,809	655,052
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	26,395	29,149	93,180
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	3,581	776	2,248
Local government electric utilities	2	332,569	1,006,217	1,832,303
Other local government enterprises	15	1,350,804	3,222,645	7,131,449
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	36	5,750,657	8,125,125	12,459,341

## Moon to Mars Campaign

**Table 635: Detailed M2M Campaign Impacts by Types of Impact, Arizona**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>346</i>	<i>25,746,344</i>	<i>40,677,505</i>	<i>70,271,518</i>
Oilseed farming	0	0	0	0
Grain farming	<1	5,661	23,837	53,599
Vegetable and melon farming	<1	6,207	14,401	30,493
Fruit farming	<1	2,178	4,848	8,662
Tree nut farming	<1	1,082	2,481	4,664
Greenhouse, nursery, and floriculture production	<1	2,989	5,633	10,252
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	<1	569	916	1,467
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	4,539	8,247	15,941
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,420	20,643	58,165
Dairy cattle and milk production	<1	5,983	17,100	87,561
Poultry and egg production	<1	446	886	7,609
Animal production, except cattle and poultry and eggs	<1	5,542	32,091	37,571
Forestry, forest products, and timber tract production	<1	387	555	708
Commercial logging	<1	360	802	1,052
Commercial fishing	<1	517	1,040	1,041
Commercial hunting and trapping	<1	333	765	865
Support activities for agriculture and forestry	<1	36,972	40,361	44,138
Oil and gas extraction	<1	779	708	85,024
Coal mining	<1	474	1,482	2,237
Copper, nickel, lead, and zinc mining	<1	21,687	96,470	140,985
Iron ore mining	0	0	0	0
Gold ore mining	<1	272	781	1,343
Silver ore mining	<1	41	83	145
Uranium-radium-vanadium ore mining	<1	26	83	136
Other metal ore mining	<1	152	318	515
Stone mining and quarrying	<1	1,314	5,048	7,953
Sand and gravel mining	<1	1,406	2,560	4,609
Other clay, ceramic, refractory minerals mining	<1	381	774	1,613
Potash, soda, and borate mineral mining	<1	172	258	466
Phosphate rock mining	<1	65	124	227
Other chemical and fertilizer mineral mining	<1	26	41	78
Other nonmetallic minerals	<1	309	565	1,046
Drilling oil and gas wells	<1	<1	1	5
Support activities for oil and gas operations	<1	5	6	28
Metal mining services	<1	271	178	4,022
Other nonmetallic minerals services	<1	24	38	272
Electric power generation - Hydroelectric	<1	573	1,351	2,497

## Appendix

Electric power generation - Fossil fuel	<1	12,737	44,781	105,272
Electric power generation - Nuclear	<1	16,308	33,482	65,637
Electric power generation - Solar	<1	718	1,682	2,946
Electric power generation - Wind	<1	1,042	7,471	11,658
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,655	5,029	13,284
Electric power generation - All other	<1	451	70	258
Electric power transmission and distribution	<1	93,988	306,640	623,807
Natural gas distribution	<1	22,540	80,249	165,792
Water, sewage and other systems	<1	11,490	22,128	35,076
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	84,809	152,571	332,847
Maintenance and repair construction of residential structures	<1	32,046	52,681	113,784
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	26	46	103
Dog and cat food manufacturing	<1	1,298	3,340	12,872
Other animal food manufacturing	<1	2,222	4,501	33,317
Flour milling	<1	110	230	1,919

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	98	588	5,088
Fats and oils refining and blending	<1	98	261	2,314
Breakfast cereal manufacturing	<1	622	1,473	5,366
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	385	538	2,476
Chocolate and confectionery manufacturing from cacao beans	<1	46	69	409
Confectionery manufacturing from purchased chocolate	<1	31	47	437
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	243	328	2,031
Canned fruits and vegetables manufacturing	<1	731	1,417	6,905
Canned specialties	<1	810	1,854	10,107
Dehydrated food products manufacturing	<1	30	54	253
Cheese manufacturing	<1	696	968	9,636
Dry, condensed, and evaporated dairy product manufacturing	<1	2,485	5,808	31,334
Fluid milk manufacturing	<1	11,543	18,742	102,498
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,194	1,710	7,842
Frozen cakes and other pastries manufacturing	<1	5,529	8,297	15,162
Poultry processing	<1	1,002	1,269	6,656
Animal, except poultry, slaughtering	<1	10,108	12,418	107,887
Meat processed from carcasses	<1	1,236	1,533	9,926
Rendering and meat byproduct processing	<1	333	397	2,107
Seafood product preparation and packaging	<1	89	127	1,145
Bread and bakery product, except frozen, manufacturing	<1	18,187	26,846	66,049
Cookie and cracker manufacturing	<1	2,435	3,578	11,741
Dry pasta, mixes, and dough manufacturing	<1	372	845	3,493
Tortilla manufacturing	<1	1,823	2,382	8,738



## Appendix

Roasted nuts and peanut butter manufacturing	<1	833	1,341	5,825
Other snack food manufacturing	<1	5,145	13,256	49,706
Coffee and tea manufacturing	<1	147	274	2,217
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	45	84	492
Spice and extract manufacturing	<1	92	153	840
All other food manufacturing	<1	3,675	5,194	27,841
Bottled and canned soft drinks & water	<1	10,217	17,844	82,524
Manufactured ice	<1	577	394	1,650
Breweries	<1	4,079	8,107	25,058
Wineries	<1	1,199	2,106	8,973
Distilleries	<1	134	546	1,495
Tobacco product manufacturing	<1	446	13,959	25,136
Fiber, yarn, and thread mills	<1	210	373	1,315
Broadwoven fabric mills	<1	81	178	525
Narrow fabric mills and schiffli machine embroidery	<1	44	58	153
Nonwoven fabric mills	<1	279	835	2,101
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	8	16	58
Fabric coating mills	<1	273	487	1,051
Carpet and rug mills	<1	254	613	1,963
Curtain and linen mills	<1	178	341	990
Textile bag and canvas mills	<1	267	589	1,300
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	871	1,460	3,463
Hosiery and sock mills	<1	32	55	121
Other apparel knitting mills	<1	38	67	148
Cut and sew apparel contractors	<1	322	412	1,047
Men's and boys' cut and sew apparel manufacturing	<1	59	99	294
Women's and girls' cut and sew apparel manufacturing	<1	65	155	618
Other cut and sew apparel manufacturing	<1	71	133	397
Apparel accessories and other apparel manufacturing	<1	50	97	260
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	13	16	83
Other leather and allied product manufacturing	<1	91	130	448

## Appendix

Sawmills	<1	305	368	2,257
Wood preservation	<1	83	113	755
Veneer and plywood manufacturing	<1	37	44	156
Engineered wood member and truss manufacturing	<1	1,430	1,562	6,088
Reconstituted wood product manufacturing	<1	37	53	291
Wood windows and door manufacturing	<1	6,576	6,738	21,216
Cut stock, resawing lumber, and planing	<1	179	213	769
Other millwork, including flooring	<1	401	428	1,774
Wood container and pallet manufacturing	<1	1,710	1,744	5,811
Manufactured home (mobile home) manufacturing	<1	17	18	53
Prefabricated wood building manufacturing	<1	598	629	2,511
All other miscellaneous wood product manufacturing	<1	1,505	1,495	5,202
Pulp mills	0	0	0	0
Paper mills	<1	415	714	4,676
Paperboard mills	<1	153	270	1,893
Paperboard container manufacturing	<1	7,122	10,238	49,798
Paper bag and coated and treated paper manufacturing	<1	2,784	3,819	14,708
Stationery product manufacturing	<1	665	792	3,333
Sanitary paper product manufacturing	<1	4,733	11,182	43,213
All other converted paper product manufacturing	<1	1,473	2,205	8,142
Printing	<1	34,885	67,670	118,133
Support activities for printing	<1	1,239	2,431	3,524
Petroleum refineries	<1	11	255	2,135
Asphalt paving mixture and block manufacturing	<1	608	1,287	4,568
Asphalt shingle and coating materials manufacturing	<1	332	2,590	4,946
Petroleum lubricating oil and grease manufacturing	<1	143	718	1,687
All other petroleum and coal products manufacturing	<1	64	372	852
Petrochemical manufacturing	<1	745	5,354	34,803
Industrial gas manufacturing	<1	3,685	7,411	28,344

## Appendix

Synthetic dye and pigment manufacturing	<1	752	1,115	5,126
Other basic inorganic chemical manufacturing	<1	871	1,423	6,585
Other basic organic chemical manufacturing	<1	693	1,241	13,744
Plastics material and resin manufacturing	<1	866	1,310	15,017
Synthetic rubber manufacturing	<1	34	44	435
Artificial and synthetic fibers and filaments manufacturing	<1	263	348	3,325
Nitrogenous fertilizer manufacturing	<1	1,746	3,955	20,575
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	164	252	1,361
Pesticide and other agricultural chemical manufacturing	<1	1,143	2,725	24,958
Medicinal and botanical manufacturing	<1	1,075	1,219	6,154
Pharmaceutical preparation manufacturing	<1	4,642	7,953	37,160
In-vitro diagnostic substance manufacturing	<1	1,500	1,620	5,804
Biological product (except diagnostic) manufacturing	<1	57	96	324
Paint and coating manufacturing	<1	1,497	2,239	12,677
Adhesive manufacturing	<1	491	613	3,140
Soap and other detergent manufacturing	<1	2,074	3,766	22,498
Polish and other sanitation good manufacturing	<1	238	296	1,181
Surface active agent manufacturing	<1	122	299	1,192
Toilet preparation manufacturing	<1	1,358	2,437	10,737
Printing ink manufacturing	<1	59	61	284
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	497	687	2,966
Photographic film and chemical manufacturing	<1	344	550	2,102
Other miscellaneous chemical product manufacturing	<1	1,396	1,755	8,382
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	802	1,744	6,244
Unlaminated plastics profile shape manufacturing	<1	447	1,530	3,814
Plastics pipe and pipe fitting manufacturing	<1	916	4,193	10,676

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	355	823	1,959
Polystyrene foam product manufacturing	<1	1,927	4,823	15,489
Urethane and other foam product (except polystyrene) manufacturing	<1	379	909	2,878
Plastics bottle manufacturing	<1	811	1,673	6,035
Other plastics product manufacturing	<1	15,059	29,656	84,819
Tire manufacturing	<1	763	1,175	4,659
Rubber and plastics hoses and belting manufacturing	<1	4	9	29
Other rubber product manufacturing	<1	1,864	2,787	7,689
Pottery, ceramics, and plumbing fixture manufacturing	<1	173	296	588
Brick, tile, and other structural clay product manufacturing	<1	505	907	1,896
Flat glass manufacturing	<1	286	620	1,667
Other pressed and blown glass and glassware manufacturing	<1	285	519	1,416
Glass container manufacturing	<1	196	345	1,021
Glass product manufacturing made of purchased glass	<1	3,287	6,374	16,218
Cement manufacturing	<1	1,303	3,230	8,912
Ready-mix concrete manufacturing	<1	6,105	10,542	32,679
Concrete block and brick manufacturing	<1	2,065	3,874	9,291
Concrete pipe manufacturing	<1	627	1,114	2,672
Other concrete product manufacturing	<1	1,306	2,045	5,137
Lime manufacturing	<1	285	649	1,851
Gypsum product manufacturing	<1	764	2,420	5,749
Abrasive product manufacturing	<1	533	1,264	1,978
Cut stone and stone product manufacturing	<1	1,658	2,250	5,093
Ground or treated mineral and earth manufacturing	<1	454	1,146	3,231
Mineral wool manufacturing	<1	119	347	974
Miscellaneous nonmetallic mineral products manufacturing	<1	320	792	1,763
Iron and steel mills and ferroalloy manufacturing	<1	824	2,242	13,355
Iron, steel pipe and tube manufacturing from purchased steel	<1	418	970	4,624

## Appendix

Rolled steel shape manufacturing	<1	986	3,645	15,052
Steel wire drawing	<1	178	371	1,651
Alumina refining and primary aluminum production	<1	509	891	5,757
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,071	2,467	11,125
Other aluminum rolling, drawing and extruding	<1	1,304	1,949	8,775
Nonferrous metal (exc aluminum) smelting and refining	<1	522	3,362	10,115
Copper rolling, drawing, extruding and alloying	<1	169	364	3,163
Nonferrous metal, except copper and aluminum, shaping	<1	104	130	552
Secondary processing of other nonferrous metals	<1	11	22	103
Ferrous metal foundries	<1	763	1,357	3,182
Nonferrous metal foundries	<1	1,267	1,743	4,573
Custom roll forming	<1	32	43	272
Crown and closure manufacturing and metal stamping	<1	1,941	2,395	8,887
Iron and steel forging	<1	24	31	166
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	230	392	1,893
Handtool manufacturing	<1	134	194	633
Prefabricated metal buildings and components manufacturing	<1	1,527	1,957	6,057
Fabricated structural metal manufacturing	<1	3,332	4,539	18,318
Plate work manufacturing	<1	1,243	1,399	4,676
Metal window and door manufacturing	<1	5,184	6,682	21,792
Sheet metal work manufacturing	<1	3,873	4,834	15,408
Ornamental and architectural metal work manufacturing	<1	3,032	3,494	10,705
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	57	68	244
Metal cans manufacturing	<1	1,297	2,067	11,407
Metal barrels, drums and pails manufacturing	<1	104	128	545
Hardware manufacturing	<1	209	280	1,126
Spring and wire product manufacturing	<1	895	1,107	4,320

## Appendix

Machine shops	<1	10,224	11,595	27,398
Turned product and screw, nut, and bolt manufacturing	<1	1,438	1,721	4,673
Metal heat treating	<1	455	565	1,764
Metal coating and nonprecious engraving	<1	1,064	1,614	5,640
Electroplating, anodizing, and coloring metal	<1	1,117	1,207	3,091
Valve and fittings, other than plumbing, manufacturing	<1	2,304	3,084	9,688
Plumbing fixture fitting and trim manufacturing	<1	115	219	1,228
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	1,025	1,888	3,561
Ammunition, except for small arms, manufacturing	<1	15	17	43
Small arms, ordnance, and accessories manufacturing	<1	7,144	12,023	27,068
Fabricated pipe and pipe fitting manufacturing	<1	82	96	306
Other fabricated metal manufacturing	<1	13,339	16,539	60,877
Farm machinery and equipment manufacturing	<1	7	15	77
Lawn and garden equipment manufacturing	<1	186	342	1,493
Construction machinery manufacturing	<1	467	1,144	2,336
Mining machinery and equipment manufacturing	<1	11	16	52
Oil and gas field machinery and equipment manufacturing	<1	7	9	28
Semiconductor machinery manufacturing	<1	171	206	616
Food product machinery manufacturing	<1	<1	1	5
Sawmill, woodworking, and paper machinery	<1	2	3	9
Printing machinery and equipment manufacturing	<1	5	6	23
All other industrial machinery manufacturing	<1	34	43	141
Optical instrument and lens manufacturing	<1	43	61	164
Photographic and photocopying equipment manufacturing	<1	13	16	52
Other commercial service industry machinery manufacturing	<1	252	416	1,318

## Appendix

Air purification and ventilation equipment manufacturing	<1	195	257	654
Heating equipment (except warm air furnaces) manufacturing	<1	158	257	961
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,013	1,741	6,051
Industrial mold manufacturing	<1	159	193	416
Special tool, die, jig, and fixture manufacturing	<1	20	27	57
Cutting tool and machine tool accessory manufacturing	<1	150	176	467
Machine tool manufacturing	<1	163	212	705
Rolling mill and other metalworking machinery manufacturing	<1	42	57	146
Turbine and turbine generator set units manufacturing	<1	4	5	17
Speed changer, industrial high-speed drive, and gear manufacturing	<1	18	25	77
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	43	96	425
Pump and pumping equipment manufacturing	<1	41	69	212
Air and gas compressor manufacturing	<1	4	6	16
Elevator and moving stairway manufacturing	<1	9	12	44
Conveyor and conveying equipment manufacturing	<1	5	5	22
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	12
Industrial truck, trailer, and stacker manufacturing	<1	3	5	20
Power-driven handtool manufacturing	<1	46	120	161
Welding and soldering equipment manufacturing	<1	9	14	48
Packaging machinery manufacturing	<1	9	14	41
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	211	298	395
Fluid power pump and motor manufacturing	<1	177	283	435

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	20	25	76
Electronic computer manufacturing	<1	11,874	17,313	74,331
Computer storage device manufacturing	<1	14,705	23,929	74,254
Computer terminals and other computer peripheral equipment manufacturing	<1	97	145	524
Telephone apparatus manufacturing	<1	6	11	38
Broadcast and wireless communications equipment manufacturing	<1	4,469	6,855	17,602
Other communications equipment manufacturing	<1	160	267	724
Audio and video equipment manufacturing	<1	38	69	451
Printed circuit assembly (electronic assembly) manufacturing	<1	1,020	1,635	5,012
Bare printed circuit board manufacturing	<1	266	338	973
Semiconductor and related device manufacturing	<1	17,390	28,005	93,599
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	161	209	653
Electronic connector manufacturing	<1	2,393	3,301	10,377
Other electronic component manufacturing	<1	622	778	2,073
Electromedical and electrotherapeutic apparatus manufacturing	<1	56	91	287
Search, detection, and navigation instruments manufacturing	<1	37	62	160
Automatic environmental control manufacturing	<1	767	1,073	4,037
Industrial process variable instruments manufacturing	<1	97	142	418
Totalizing fluid meter and counting device manufacturing	<1	283	599	933
Electricity and signal testing instruments manufacturing	<1	8	10	26
Analytical laboratory instrument manufacturing	<1	325	478	1,072
Irradiation apparatus manufacturing	<1	10	18	33



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	20	29	133
Blank magnetic and optical recording media manufacturing	<1	259	863	3,829
Software and other prerecorded and record reproducing	<1	253	366	999
Electric lamp bulb and part manufacturing	<1	80	187	387
Lighting fixture manufacturing	<1	1,464	2,448	7,116
Small electrical appliance manufacturing	<1	113	413	1,306
Household cooking appliance manufacturing	<1	143	663	1,481
Household refrigerator and home freezer manufacturing	<1	178	750	1,633
Household laundry equipment manufacturing	<1	533	1,426	4,242
Other major household appliance manufacturing	<1	111	580	1,115
Power, distribution, and specialty transformer manufacturing	<1	14	25	56
Motor and generator manufacturing	<1	56	156	438
Switchgear and switchboard apparatus manufacturing	<1	85	236	527
Relay and industrial control manufacturing	<1	146	253	635
Storage battery manufacturing	<1	1,174	2,738	6,455
Primary battery manufacturing	<1	241	5,876	3,203
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	168	482	1,507
Wiring device manufacturing	<1	230	772	1,362
Carbon and graphite product manufacturing	<1	314	635	1,556
All other miscellaneous electrical equipment and component manufacturing	<1	175	226	575
Automobile manufacturing	<1	7,159	15,850	118,257
Light truck and utility vehicle manufacturing	<1	1,236	2,746	29,860
Heavy duty truck manufacturing	<1	948	1,515	3,286
Motor vehicle body manufacturing	<1	102	121	573
Truck trailer manufacturing	<1	4	5	28
Motor home manufacturing	<1	3,133	4,597	18,600
Travel trailer and camper manufacturing	<1	1,742	1,923	10,093

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	615	815	4,647
Motor vehicle electrical and electronic equipment manufacturing	<1	1,709	2,096	8,957
Motor vehicle transmission and power train parts manufacturing	<1	674	820	4,948
Motor vehicle seating and interior trim manufacturing	<1	964	1,058	5,619
Motor vehicle metal stamping	<1	141	165	805
Other motor vehicle parts manufacturing	<1	8,595	10,071	57,438
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	243	305	1,092
Aircraft manufacturing	<1	171	373	775
Aircraft engine and engine parts manufacturing	<1	1,297	4,423	7,473
Other aircraft parts and auxiliary equipment manufacturing	<1	26,015	42,771	74,192
Guided missile and space vehicle manufacturing	<1	673	1,551	2,847
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	23	41	71
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	5	9	18
Boat building	<1	281	521	1,746
Motorcycle, bicycle, and parts manufacturing	<1	346	1,860	3,443
Military armored vehicle, tank, and tank component manufacturing	<1	1,351	4,280	9,786
All other transportation equipment manufacturing	<1	145	420	1,415
Wood kitchen cabinet and countertop manufacturing	<1	3,072	3,821	10,008
Upholstered household furniture manufacturing	<1	312	346	1,298
Nonupholstered wood household furniture manufacturing	<1	2,162	2,471	7,466
Other household nonupholstered furniture manufacturing	<1	285	451	1,979
Institutional furniture manufacturing	<1	10	11	39
Wood office furniture manufacturing	<1	4	5	18

## Appendix

Custom architectural woodwork and millwork	<1	86	83	285
Office furniture, except wood, manufacturing	<1	17	26	90
Showcase, partition, shelving, and locker manufacturing	<1	62	81	278
Mattress manufacturing	<1	1,175	1,986	9,251
Blind and shade manufacturing	<1	263	265	967
Surgical and medical instrument manufacturing	<1	1,380	2,393	4,821
Surgical appliance and supplies manufacturing	<1	5,420	12,153	24,005
Dental equipment and supplies manufacturing	<1	7	14	27
Ophthalmic goods manufacturing	<1	298	682	1,298
Dental laboratories	<1	986	1,172	2,135
Jewelry and silverware manufacturing	<1	1,386	2,471	6,567
Sporting and athletic goods manufacturing	<1	1,777	2,846	7,210
Doll, toy, and game manufacturing	<1	110	254	765
Office supplies (except paper) manufacturing	<1	582	1,028	3,305
Sign manufacturing	<1	2,300	2,260	5,277
Gasket, packing, and sealing device manufacturing	<1	356	421	1,062
Musical instrument manufacturing	<1	68	80	221
Fasteners, buttons, needles, and pins manufacturing	<1	397	502	1,596
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	230	387	971
All other miscellaneous manufacturing	<1	1,531	2,334	5,630
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	18,982	39,291	93,818
Wholesale - Professional and commercial equipment and supplies	1	147,503	223,452	385,746
Wholesale - Household appliances and electrical and electronic goods	<1	46,794	106,731	233,314
Wholesale - Machinery, equipment, and supplies	<1	45,270	80,746	146,239
Wholesale - Other durable goods merchant wholesalers	<1	82,876	143,789	310,217

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	57,340	129,594	323,178
Wholesale - Grocery and related product wholesalers	<1	78,582	113,800	231,349
Wholesale - Petroleum and petroleum products	<1	8,128	106,208	130,146
Wholesale - Other nondurable goods merchant wholesalers	1	95,857	202,669	407,438
Wholesale - Wholesale electronic markets and agents and brokers	<1	44,533	49,815	59,046
Retail - Motor vehicle and parts dealers	1	77,693	118,777	166,085
Retail - Furniture and home furnishings stores	<1	45,328	61,152	94,315
Retail - Electronics and appliance stores	<1	42,483	38,569	62,605
Retail - Building material and garden equipment and supplies stores	<1	48,211	96,051	134,087
Retail - Food and beverage stores	3	123,752	181,471	290,229
Retail - Health and personal care stores	1	79,447	103,743	150,539
Retail - Gasoline stores	<1	44,850	91,844	157,504
Retail - Clothing and clothing accessories stores	1	49,626	84,836	165,022
Retail - Sporting goods, hobby, musical instrument and book stores	<1	30,238	42,539	69,538
Retail - General merchandise stores	3	118,648	191,364	294,450
Retail - Miscellaneous store retailers	2	78,925	81,313	134,844
Retail - Nonstore retailers	3	65,902	369,177	599,862
Air transportation	<1	103,311	286,552	520,049
Rail transportation	<1	15,074	57,914	85,974
Water transportation	<1	67	49	6,647
Truck transportation	2	143,248	225,083	456,755
Transit and ground passenger transportation	3	56,815	94,598	138,529
Pipeline transportation	<1	8,392	18,694	37,669
Scenic and sightseeing transportation and support activities for transportation	1	128,827	120,639	175,448
Couriers and messengers	3	61,657	156,059	194,894
Warehousing and storage	2	123,689	135,294	261,732
Newspaper publishers	<1	9,169	14,327	21,898
Periodical publishers	<1	15,795	22,636	37,584
Book publishers	<1	4,538	10,746	22,069

## Appendix

Directory, mailing list, and other publishers	<1	1,708	3,546	6,484
Greeting card publishing	0	0	0	0
Software publishers	<1	136,341	232,056	333,119
Motion picture and video industries	<1	15,906	25,786	96,109
Sound recording industries	<1	1,621	10,543	22,466
Radio and television broadcasting	<1	176,972	192,647	284,276
Cable and other subscription programming	<1	41,660	95,816	198,986
Wired telecommunications carriers	<1	39,243	80,114	162,410
Wireless telecommunications carriers (except satellite)	<1	15,096	117,960	319,931
Satellite, telecommunications resellers, and all other telecommunications	<1	24,108	26,796	70,603
Data processing, hosting, and related services	1	130,879	235,107	688,180
News syndicates, libraries, archives and all other information services	<1	10,858	15,197	33,057
Internet publishing and broadcasting and web search portals	<1	71,406	149,005	586,924
Nondepository credit intermediation and related activities	2	188,586	202,407	312,895
Securities and commodity contracts intermediation and brokerage	3	208,474	161,444	354,413
Monetary authorities and depository credit intermediation	3	378,637	1,203,396	1,729,802
Other financial investment activities	2	122,465	139,793	369,015
Direct life insurance carriers	<1	35,067	70,857	105,436
Insurance carriers, except direct life	2	147,730	451,741	983,750
Insurance agencies, brokerages, and related activities	2	208,175	321,307	763,004
Funds, trusts, and other financial vehicles	<1	23,979	45,381	199,025
Other real estate	18	588,202	1,651,229	3,873,068
Tenant-occupied housing	<1	28,132	449,303	473,310
Owner-occupied dwellings	0	0	1,835,405	2,215,029
Automotive equipment rental and leasing	<1	30,540	113,399	133,392

## Appendix

General and consumer goods rental except video tapes and discs	<1	35,232	60,866	82,574
Video tape and disc rental	<1	7,258	11,477	18,648
Commercial and industrial machinery and equipment rental and leasing	<1	38,210	116,872	137,751
Lessors of nonfinancial intangible assets	<1	4,153	148,876	155,955
Legal services	4	371,927	561,779	822,939
Accounting, tax preparation, bookkeeping, and payroll services	2	181,794	233,577	376,094
Architectural, engineering, and related services	8	672,327	756,783	1,405,211
Specialized design services	<1	21,215	36,731	66,162
Custom computer programming services	<1	64,329	68,783	97,049
Computer systems design services	<1	95,146	91,609	119,813
Other computer related services, including facilities management	<1	63,000	84,682	167,741
Management consulting services	7	674,632	702,320	1,166,957
Environmental and other technical consulting services	<1	62,210	69,929	116,503
Scientific research and development services	67	7,892,598	11,170,889	19,312,497
Advertising, public relations, and related services	2	123,571	187,224	439,467
Photographic services	<1	3,917	10,205	22,347
Veterinary services	<1	25,528	28,952	44,462
Marketing research and all other miscellaneous professional, scientific, and technical services	2	162,254	274,566	660,758
Management of companies and enterprises	5	614,121	729,603	1,228,669
Office administrative services	3	235,212	100,096	236,870
Facilities support services	<1	17,979	25,485	57,105
Employment services	12	702,160	1,010,638	1,555,189
Business support services	2	106,037	94,689	164,911
Travel arrangement and reservation services	<1	37,280	62,819	197,446
Investigation and security services	1	68,190	70,689	98,513
Services to buildings	3	108,189	161,712	310,689
Landscape and horticultural services	1	69,906	90,207	165,545
Other support services	<1	27,170	35,951	70,099
Waste management and remediation services	<1	38,802	96,404	164,621

## Appendix

Elementary and secondary schools	1	61,444	58,187	68,394
Junior colleges, colleges, universities, and professional schools	59	3,017,334	4,076,605	5,448,175
Other educational services	4	209,151	236,839	415,859
Offices of physicians	4	472,381	481,166	694,928
Offices of dentists	1	88,991	110,452	149,452
Offices of other health practitioners	1	76,410	124,162	155,769
Outpatient care centers	1	110,895	110,875	175,247
Medical and diagnostic laboratories	<1	38,825	67,471	89,326
Home health care services	2	81,016	81,875	109,209
Other ambulatory health care services	<1	35,721	43,617	62,828
Hospitals	7	715,010	856,309	1,552,710
Nursing and community care facilities	2	79,050	89,087	141,967
Residential mental retardation, mental health, substance abuse and other facilities	<1	49,961	51,699	75,046
Individual and family services	3	128,638	122,687	164,052
Child day care services	1	37,385	68,490	85,426
Community food, housing, and other relief services, including rehabilitation services	<1	28,845	29,107	58,304
Performing arts companies	<1	9,527	19,399	33,220
Commercial Sports Except Racing	1	59,963	49,254	81,392
Racing and Track Operation	<1	1,721	3,639	6,008
Independent artists, writers, and performers	<1	9,105	32,753	43,770
Promoters of performing arts and sports and agents for public figures	<1	10,635	33,602	67,562
Museums, historical sites, zoos, and parks	<1	6,218	7,566	12,750
Amusement parks and arcades	<1	1,885	4,192	5,229
Gambling industries (except casino hotels)	<1	22,118	58,429	80,841
Other amusement and recreation industries	<1	26,985	28,437	39,354
Fitness and recreational sports centers	<1	15,571	19,825	32,167
Bowling centers	<1	2,443	3,653	5,450
Hotels and motels, including casino hotels	1	47,303	95,911	140,510
Other accommodations	<1	9,542	12,068	15,589

## Appendix

Full-service restaurants	7	264,504	391,666	706,999
Limited-service restaurants	6	195,753	299,879	669,057
All other food and drinking places	4	162,482	237,469	370,952
Automotive repair and maintenance, except car washes	2	151,888	177,991	254,509
Car washes	1	76,379	113,281	167,865
Electronic and precision equipment repair and maintenance	<1	40,898	58,133	87,177
Commercial and industrial machinery and equipment repair and maintenance	<1	61,411	66,313	101,967
Personal and household goods repair and maintenance	<1	20,038	38,769	54,356
Personal care services	2	70,419	43,322	53,800
Death care services	<1	9,848	6,753	9,411
Dry-cleaning and laundry services	<1	30,379	19,137	25,013
Other personal services	1	48,199	58,879	82,424
Religious organizations	2	103,457	54,132	153,461
Grantmaking, giving, and social advocacy organizations	1	85,284	261,938	362,117
Business and professional associations	<1	20,940	32,097	53,329
Labor and civic organizations	<1	25,201	69,444	111,951
Private households	1	21,188	21,188	21,188
Postal service	<1	70,047	70,335	70,361
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,370	3,999	12,122
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	436	59	225
Local government electric utilities	<1	32,269	90,832	165,782
Other local government enterprises	2	160,802	327,269	774,595
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	555,810	769,830	808,936

## Investments in Climate Change Research and Technology

**Table 636: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>309</i>	<i>22,348,634</i>	<i>35,538,506</i>	<i>64,687,382</i>
Oilseed farming	0	0	0	0
Grain farming	<1	4,800	13,363	43,264
Vegetable and melon farming	<1	6,033	13,036	28,547
Fruit farming	<1	2,072	4,512	8,186
Tree nut farming	<1	982	2,150	4,032
Greenhouse, nursery, and floriculture production	<1	3,272	5,736	10,714
Tobacco farming	0	0	0	0
Cotton farming	<1	1,175	1,806	3,058
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5,836	9,869	19,490
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	4,828	23,462	74,266
Dairy cattle and milk production	<1	4,864	12,400	72,369
Poultry and egg production	<1	517	903	8,951
Animal production, except cattle and poultry and eggs	<1	6,091	27,038	32,480
Forestry, forest products, and timber tract production	<1	302	434	581

Appendix

Commercial logging	<1	400	884	1,214
Commercial fishing	<1	324	888	897
Commercial hunting and trapping	<1	166	774	899
Support activities for agriculture and forestry	<1	41,127	44,338	48,116
Oil and gas extraction	<1	1,451	997	112,811
Coal mining	<1	1,597	4,899	7,506
Copper, nickel, lead, and zinc mining	<1	24,333	97,537	150,165
Iron ore mining	0	0	0	0
Gold ore mining	<1	278	779	1,396
Silver ore mining	<1	42	84	153
Uranium-radium-vanadium ore mining	<1	45	169	269
Other metal ore mining	<1	175	368	604
Stone mining and quarrying	<1	1,174	5,134	7,977
Sand and gravel mining	<1	1,139	2,160	3,977
Other clay, ceramic, refractory minerals mining	<1	312	651	1,360
Potash, soda, and borate mineral mining	<1	173	263	477
Phosphate rock mining	<1	61	119	219
Other chemical and fertilizer mineral mining	<1	26	41	79
Other nonmetallic minerals	<1	274	512	933
Drilling oil and gas wells	<1	2	2	9
Support activities for oil and gas operations	<1	8	9	41
Metal mining services	<1	597	384	7,973
Other nonmetallic minerals services	<1	36	48	321
Electric power generation - Hydroelectric	<1	438	1,054	1,950
Electric power generation - Fossil fuel	<1	11,815	48,370	114,120
Electric power generation - Nuclear	<1	17,395	37,328	75,405
Electric power generation - Solar	<1	691	1,664	2,931
Electric power generation - Wind	<1	1,906	14,944	24,032
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,275	3,881	9,912
Electric power generation - All other	<1	408	181	355
Electric power transmission and distribution	<1	112,901	401,976	825,833

## Appendix

Natural gas distribution	<1	14,118	51,772	109,433
Water, sewage and other systems	<1	7,888	16,519	27,642
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	80,741	141,510	320,943
Maintenance and repair construction of residential structures	<1	28,440	45,832	102,077
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	24	42	95
Dog and cat food manufacturing	<1	1,506	3,708	15,112
Other animal food manufacturing	<1	2,370	4,533	34,907
Flour milling	<1	127	259	2,110
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	83	485	4,546
Fats and oils refining and blending	<1	72	180	1,675
Breakfast cereal manufacturing	<1	505	1,177	4,811
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	333	463	2,216

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	30	44	277
Confectionery manufacturing from purchased chocolate	<1	26	37	367
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	235	319	1,968
Canned fruits and vegetables manufacturing	<1	555	1,032	5,246
Canned specialties	<1	683	1,518	8,291
Dehydrated food products manufacturing	<1	24	42	202
Cheese manufacturing	<1	544	751	7,197
Dry, condensed, and evaporated dairy product manufacturing	<1	1,806	4,146	23,176
Fluid milk manufacturing	<1	7,825	12,061	67,843
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	859	1,195	5,743
Frozen cakes and other pastries manufacturing	<1	4,341	6,524	12,040
Poultry processing	<1	1,426	1,720	9,069
Animal, except poultry, slaughtering	<1	9,747	11,712	100,486
Meat processed from carcasses	<1	1,139	1,400	9,180
Rendering and meat byproduct processing	<1	344	405	2,127
Seafood product preparation and packaging	<1	65	89	873
Bread and bakery product, except frozen, manufacturing	<1	14,228	20,758	51,291
Cookie and cracker manufacturing	<1	1,671	2,290	8,721
Dry pasta, mixes, and dough manufacturing	<1	336	746	2,992
Tortilla manufacturing	<1	2,029	2,666	9,658
Roasted nuts and peanut butter manufacturing	<1	742	1,141	5,178
Other snack food manufacturing	<1	5,016	12,527	48,924
Coffee and tea manufacturing	<1	107	190	1,584
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	36	68	395
Spice and extract manufacturing	<1	56	89	499
All other food manufacturing	<1	3,373	4,700	25,227
Bottled and canned soft drinks & water	<1	11,255	19,050	88,543
Manufactured ice	<1	539	355	1,622

## Appendix

Breweries	<1	2,727	5,087	15,993
Wineries	<1	1,008	1,703	7,290
Distilleries	<1	125	443	1,264
Tobacco product manufacturing	<1	413	9,239	18,657
Fiber, yarn, and thread mills	<1	203	348	1,305
Broadwoven fabric mills	<1	95	198	623
Narrow fabric mills and schiffli machine embroidery	<1	49	63	171
Nonwoven fabric mills	<1	139	399	1,149
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	5	10	40
Fabric coating mills	<1	156	282	660
Carpet and rug mills	<1	276	631	2,264
Curtain and linen mills	<1	159	295	915
Textile bag and canvas mills	<1	285	603	1,404
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	859	1,396	3,512
Hosiery and sock mills	<1	33	56	132
Other apparel knitting mills	<1	40	68	165
Cut and sew apparel contractors	<1	299	381	997
Men's and boys' cut and sew apparel manufacturing	<1	50	84	259
Women's and girls' cut and sew apparel manufacturing	<1	56	131	550
Other cut and sew apparel manufacturing	<1	39	73	228
Apparel accessories and other apparel manufacturing	<1	45	85	250
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	14	16	97
Other leather and allied product manufacturing	<1	92	127	470
Sawmills	<1	372	462	2,757
Wood preservation	<1	115	163	1,023
Veneer and plywood manufacturing	<1	53	63	218
Engineered wood member and truss manufacturing	<1	1,467	1,649	6,345
Reconstituted wood product manufacturing	<1	56	80	436
Wood windows and door manufacturing	<1	7,170	7,529	24,025
Cut stock, resawing lumber, and planing	<1	191	246	836

## Appendix

Other millwork, including flooring	<1	387	435	1,793
Wood container and pallet manufacturing	<1	3,073	3,251	10,853
Manufactured home (mobile home) manufacturing	<1	19	20	61
Prefabricated wood building manufacturing	<1	647	714	2,831
All other miscellaneous wood product manufacturing	<1	1,194	1,300	4,781
Pulp mills	0	0	0	0
Paper mills	<1	468	1,028	5,782
Paperboard mills	<1	266	519	3,336
Paperboard container manufacturing	<1	8,985	13,093	61,578
Paper bag and coated and treated paper manufacturing	<1	2,692	4,010	15,768
Stationery product manufacturing	<1	435	539	2,440
Sanitary paper product manufacturing	<1	5,720	14,181	51,999
All other converted paper product manufacturing	<1	1,243	1,985	7,101
Printing	<1	28,256	52,595	98,720
Support activities for printing	<1	854	1,640	2,486
Petroleum refineries	<1	13	272	2,425
Asphalt paving mixture and block manufacturing	<1	577	1,170	4,523
Asphalt shingle and coating materials manufacturing	<1	300	2,045	4,320
Petroleum lubricating oil and grease manufacturing	<1	111	561	1,447
All other petroleum and coal products manufacturing	<1	85	486	1,293
Petrochemical manufacturing	<1	1,958	11,508	86,310
Industrial gas manufacturing	<1	4,451	7,955	32,430
Synthetic dye and pigment manufacturing	<1	643	838	3,764
Other basic inorganic chemical manufacturing	<1	1,011	1,437	7,060
Other basic organic chemical manufacturing	<1	938	1,489	16,716
Plastics material and resin manufacturing	<1	1,238	1,613	19,046
Synthetic rubber manufacturing	<1	54	66	624
Artificial and synthetic fibers and filaments manufacturing	<1	179	234	2,318
Nitrogenous fertilizer manufacturing	<1	1,183	2,484	15,959

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	179	248	1,442
Pesticide and other agricultural chemical manufacturing	<1	1,281	2,726	25,499
Medicinal and botanical manufacturing	<1	791	923	4,866
Pharmaceutical preparation manufacturing	<1	4,083	6,733	32,592
In-vitro diagnostic substance manufacturing	<1	933	1,077	3,687
Biological product (except diagnostic) manufacturing	<1	28	53	191
Paint and coating manufacturing	<1	1,877	2,524	14,651
Adhesive manufacturing	<1	342	411	2,186
Soap and other detergent manufacturing	<1	1,513	2,580	18,134
Polish and other sanitation good manufacturing	<1	198	236	991
Surface active agent manufacturing	<1	121	289	1,205
Toilet preparation manufacturing	<1	1,225	2,109	9,549
Printing ink manufacturing	<1	47	49	229
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	491	583	2,829
Photographic film and chemical manufacturing	<1	400	618	2,600
Other miscellaneous chemical product manufacturing	<1	1,640	1,940	9,201
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	816	1,764	6,618
Unlaminated plastics profile shape manufacturing	<1	434	1,468	3,852
Plastics pipe and pipe fitting manufacturing	<1	850	3,782	9,685
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	342	778	1,918
Polystyrene foam product manufacturing	<1	1,931	4,688	15,819
Urethane and other foam product (except polystyrene) manufacturing	<1	400	937	3,079
Plastics bottle manufacturing	<1	756	1,547	5,742
Other plastics product manufacturing	<1	15,478	29,412	88,791
Tire manufacturing	<1	678	984	4,163

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	6	12	37
Other rubber product manufacturing	<1	1,738	2,579	6,999
Pottery, ceramics, and plumbing fixture manufacturing	<1	142	240	486
Brick, tile, and other structural clay product manufacturing	<1	541	1,023	2,090
Flat glass manufacturing	<1	282	625	1,710
Other pressed and blown glass and glassware manufacturing	<1	282	508	1,402
Glass container manufacturing	<1	211	368	1,092
Glass product manufacturing made of purchased glass	<1	3,872	7,777	19,187
Cement manufacturing	<1	1,072	2,810	7,553
Ready-mix concrete manufacturing	<1	5,783	10,421	31,552
Concrete block and brick manufacturing	<1	1,468	2,912	6,801
Concrete pipe manufacturing	<1	711	1,301	2,969
Other concrete product manufacturing	<1	1,421	2,317	5,624
Lime manufacturing	<1	442	1,120	2,981
Gypsum product manufacturing	<1	693	2,297	5,388
Abrasive product manufacturing	<1	1,105	2,727	4,210
Cut stone and stone product manufacturing	<1	1,614	2,237	5,036
Ground or treated mineral and earth manufacturing	<1	576	1,597	4,355
Mineral wool manufacturing	<1	103	328	921
Miscellaneous nonmetallic mineral products manufacturing	<1	247	671	1,497
Iron and steel mills and ferroalloy manufacturing	<1	4,403	12,451	70,676
Iron, steel pipe and tube manufacturing from purchased steel	<1	526	1,254	5,889
Rolled steel shape manufacturing	<1	1,150	4,429	17,245
Steel wire drawing	<1	158	344	1,492
Alumina refining and primary aluminum production	<1	490	862	5,272
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	663	1,530	6,887
Other aluminum rolling, drawing and extruding	<1	885	1,361	6,100
Nonferrous metal (exc aluminum) smelting and refining	<1	843	6,800	18,319



## Appendix

Copper rolling, drawing, extruding and alloying	<1	212	484	4,294
Nonferrous metal, except copper and aluminum, shaping	<1	139	174	749
Secondary processing of other nonferrous metals	<1	16	35	158
Ferrous metal foundries	<1	843	1,525	3,539
Nonferrous metal foundries	<1	1,106	1,551	4,134
Custom roll forming	<1	29	39	237
Crown and closure manufacturing and metal stamping	<1	1,806	2,220	8,448
Iron and steel forging	<1	35	45	248
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	169	303	1,473
Handtool manufacturing	<1	105	151	521
Prefabricated metal buildings and components manufacturing	<1	1,116	1,503	4,573
Fabricated structural metal manufacturing	<1	3,432	4,619	19,005
Plate work manufacturing	<1	1,428	1,592	5,563
Metal window and door manufacturing	<1	3,936	5,037	17,215
Sheet metal work manufacturing	<1	4,517	5,686	18,949
Ornamental and architectural metal work manufacturing	<1	2,778	3,232	10,248
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	41	49	184
Metal cans manufacturing	<1	1,452	2,317	13,026
Metal barrels, drums and pails manufacturing	<1	120	148	645
Hardware manufacturing	<1	235	318	1,293
Spring and wire product manufacturing	<1	1,127	1,395	5,525
Machine shops	<1	13,127	14,904	35,906
Turned product and screw, nut, and bolt manufacturing	<1	1,891	2,263	6,277
Metal heat treating	<1	669	821	2,544
Metal coating and nonprecious engraving	<1	1,571	2,356	8,399
Electroplating, anodizing, and coloring metal	<1	1,424	1,535	3,961
Valve and fittings, other than plumbing, manufacturing	<1	2,404	3,175	9,914
Plumbing fixture fitting and trim manufacturing	<1	102	200	1,087

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	852	1,548	3,113
Ammunition, except for small arms, manufacturing	<1	19	21	55
Small arms, ordnance, and accessories manufacturing	<1	8,742	14,822	35,550
Fabricated pipe and pipe fitting manufacturing	<1	82	97	310
Other fabricated metal manufacturing	<1	2,090	2,599	9,648
Farm machinery and equipment manufacturing	<1	9	18	98
Lawn and garden equipment manufacturing	<1	149	264	1,233
Construction machinery manufacturing	<1	296	682	1,589
Mining machinery and equipment manufacturing	<1	15	23	74
Oil and gas field machinery and equipment manufacturing	<1	13	17	49
Semiconductor machinery manufacturing	<1	189	230	673
Food product machinery manufacturing	<1	<1	1	5
Sawmill, woodworking, and paper machinery	<1	2	2	7
Printing machinery and equipment manufacturing	<1	9	11	40
All other industrial machinery manufacturing	<1	36	47	149
Optical instrument and lens manufacturing	<1	45	68	179
Photographic and photocopying equipment manufacturing	<1	14	18	60
Other commercial service industry machinery manufacturing	<1	265	439	1,373
Air purification and ventilation equipment manufacturing	<1	206	271	710
Heating equipment (except warm air furnaces) manufacturing	<1	76	121	484
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	908	1,632	5,800
Industrial mold manufacturing	<1	113	138	316
Special tool, die, jig, and fixture manufacturing	<1	19	26	57

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	132	155	423
Machine tool manufacturing	<1	102	132	445
Rolling mill and other metalworking machinery manufacturing	<1	20	27	74
Turbine and turbine generator set units manufacturing	<1	6	7	27
Speed changer, industrial high-speed drive, and gear manufacturing	<1	16	24	76
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	50	120	542
Pump and pumping equipment manufacturing	<1	34	58	175
Air and gas compressor manufacturing	<1	4	5	15
Elevator and moving stairway manufacturing	<1	6	7	27
Conveyor and conveying equipment manufacturing	<1	4	5	21
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	4	16
Industrial truck, trailer, and stacker manufacturing	<1	9	16	62
Power-driven handtool manufacturing	<1	22	61	82
Welding and soldering equipment manufacturing	<1	6	9	38
Packaging machinery manufacturing	<1	10	15	42
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	221	317	413
Fluid power pump and motor manufacturing	<1	222	358	545
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	20	25	77
Electronic computer manufacturing	<1	32,265	48,599	213,246
Computer storage device manufacturing	<1	39,935	66,050	213,168
Computer terminals and other computer peripheral equipment manufacturing	<1	6,792	10,615	30,973
Telephone apparatus manufacturing	<1	13	23	77

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	117,859	162,249	419,461
Other communications equipment manufacturing	<1	287	466	1,249
Audio and video equipment manufacturing	<1	32	57	386
Printed circuit assembly (electronic assembly) manufacturing	<1	1,738	2,714	8,541
Bare printed circuit board manufacturing	<1	521	637	1,696
Semiconductor and related device manufacturing	<1	39,529	63,207	214,859
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	177	226	740
Electronic connector manufacturing	<1	2,339	3,164	10,253
Other electronic component manufacturing	<1	2,194	2,802	7,547
Electromedical and electrotherapeutic apparatus manufacturing	<1	52	85	273
Search, detection, and navigation instruments manufacturing	<1	78	132	347
Automatic environmental control manufacturing	<1	378	525	2,034
Industrial process variable instruments manufacturing	<1	2,682	3,913	10,634
Totalizing fluid meter and counting device manufacturing	<1	402	799	1,347
Electricity and signal testing instruments manufacturing	<1	5,516	7,144	16,139
Analytical laboratory instrument manufacturing	<1	6,314	10,287	20,576
Irradiation apparatus manufacturing	<1	8	15	28
Watch, clock, and other measuring and controlling device manufacturing	<1	3,223	4,694	22,067
Blank magnetic and optical recording media manufacturing	<1	125	458	2,085
Software and other prerecorded and record reproducing	<1	167	242	704
Electric lamp bulb and part manufacturing	<1	365	673	1,857
Lighting fixture manufacturing	<1	997	1,630	5,090
Small electrical appliance manufacturing	<1	87	311	1,005

## Appendix

Household cooking appliance manufacturing	<1	117	477	1,194
Household refrigerator and home freezer manufacturing	<1	143	532	1,294
Household laundry equipment manufacturing	<1	434	1,068	3,475
Other major household appliance manufacturing	<1	63	281	605
Power, distribution, and specialty transformer manufacturing	<1	12	24	53
Motor and generator manufacturing	<1	80	226	634
Switchgear and switchboard apparatus manufacturing	<1	74	208	477
Relay and industrial control manufacturing	<1	297	509	1,381
Storage battery manufacturing	<1	927	2,156	5,440
Primary battery manufacturing	<1	191	2,922	2,345
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	160	438	1,445
Wiring device manufacturing	<1	378	1,187	2,214
Carbon and graphite product manufacturing	<1	362	749	1,830
All other miscellaneous electrical equipment and component manufacturing	<1	718	925	2,342
Automobile manufacturing	<1	8,654	22,529	157,759
Light truck and utility vehicle manufacturing	<1	1,531	3,926	40,711
Heavy duty truck manufacturing	<1	1,052	1,631	4,189
Motor vehicle body manufacturing	<1	121	144	657
Truck trailer manufacturing	<1	7	8	42
Motor home manufacturing	<1	5,944	8,575	37,000
Travel trailer and camper manufacturing	<1	2,454	2,773	14,282
Motor vehicle gasoline engine and engine parts manufacturing	<1	915	1,218	7,011
Motor vehicle electrical and electronic equipment manufacturing	<1	3,714	4,517	20,980
Motor vehicle transmission and power train parts manufacturing	<1	622	793	5,245
Motor vehicle seating and interior trim manufacturing	<1	1,866	2,072	11,068
Motor vehicle metal stamping	<1	212	245	1,263
Other motor vehicle parts manufacturing	<1	12,996	15,805	89,250

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	349	422	1,580
Aircraft manufacturing	<1	162	357	734
Aircraft engine and engine parts manufacturing	<1	1,288	4,168	7,173
Other aircraft parts and auxiliary equipment manufacturing	<1	1,084	1,861	3,362
Guided missile and space vehicle manufacturing	<1	1,232	2,651	4,959
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	37	65	117
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	5	9	18
Boat building	<1	393	746	2,496
Motorcycle, bicycle, and parts manufacturing	<1	470	3,045	5,213
Military armored vehicle, tank, and tank component manufacturing	<1	1,571	5,241	12,291
All other transportation equipment manufacturing	<1	223	686	2,326
Wood kitchen cabinet and countertop manufacturing	<1	3,597	4,624	12,187
Upholstered household furniture manufacturing	<1	278	307	1,139
Nonupholstered wood household furniture manufacturing	<1	2,042	2,348	7,259
Other household nonupholstered furniture manufacturing	<1	287	463	2,151
Institutional furniture manufacturing	<1	7	7	29
Wood office furniture manufacturing	<1	4	5	17
Custom architectural woodwork and millwork	<1	74	72	256
Office furniture, except wood, manufacturing	<1	13	22	72
Showcase, partition, shelving, and locker manufacturing	<1	69	94	325
Mattress manufacturing	<1	1,266	2,154	10,071
Blind and shade manufacturing	<1	323	324	1,143
Surgical and medical instrument manufacturing	<1	1,286	2,206	4,615
Surgical appliance and supplies manufacturing	<1	4,836	10,624	21,816

## Appendix

Dental equipment and supplies manufacturing	<1	7	13	26
Ophthalmic goods manufacturing	<1	336	748	1,447
Dental laboratories	<1	961	1,136	2,082
Jewelry and silverware manufacturing	<1	1,450	2,531	6,795
Sporting and athletic goods manufacturing	<1	1,915	3,055	8,071
Doll, toy, and game manufacturing	<1	109	242	736
Office supplies (except paper) manufacturing	<1	397	678	2,485
Sign manufacturing	<1	2,290	2,213	5,326
Gasket, packing, and sealing device manufacturing	<1	524	613	1,601
Musical instrument manufacturing	<1	40	46	132
Fasteners, buttons, needles, and pins manufacturing	<1	282	350	1,098
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	327	525	1,475
All other miscellaneous manufacturing	<1	1,450	2,186	5,468
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	19,960	41,590	98,048
Wholesale - Professional and commercial equipment and supplies	1	202,450	305,451	528,116
Wholesale - Household appliances and electrical and electronic goods	<1	68,506	156,934	341,898
Wholesale - Machinery, equipment, and supplies	<1	48,556	87,497	158,408
Wholesale - Other durable goods merchant wholesalers	<1	78,591	137,559	295,975
Wholesale - Drugs and druggists'sundries	<1	51,754	119,543	303,267
Wholesale - Grocery and related product wholesalers	<1	67,534	99,009	201,651
Wholesale - Petroleum and petroleum products	<1	9,507	100,746	126,956
Wholesale - Other nondurable goods merchant wholesalers	<1	82,395	169,423	348,097
Wholesale - Wholesale electronic markets and agents and brokers	<1	42,545	47,993	57,545
Retail - Motor vehicle and parts dealers	1	73,090	113,109	158,930
Retail - Furniture and home furnishings stores	<1	40,994	55,836	86,793

## Appendix

Retail - Electronics and appliance stores	<1	38,115	34,968	58,206
Retail - Building material and garden equipment and supplies stores	<1	42,963	87,761	122,995
Retail - Food and beverage stores	3	106,795	158,730	254,639
Retail - Health and personal care stores	1	71,107	93,633	137,964
Retail - Gasoline stores	<1	41,784	88,368	153,329
Retail - Clothing and clothing accessories stores	1	43,945	77,735	153,955
Retail - Sporting goods, hobby, musical instrument and book stores	<1	26,793	38,224	63,244
Retail - General merchandise stores	2	110,894	181,464	280,420
Retail - Miscellaneous store retailers	2	70,871	73,897	124,502
Retail - Nonstore retailers	2	59,014	332,934	541,346
Air transportation	<1	96,399	265,032	489,264
Rail transportation	<1	15,215	64,070	90,591
Water transportation	<1	54	36	5,468
Truck transportation	2	138,284	219,571	456,045
Transit and ground passenger transportation	2	33,775	57,977	91,097
Pipeline transportation	<1	12,094	22,747	46,897
Scenic and sightseeing transportation and support activities for transportation	1	118,663	115,369	165,732
Couriers and messengers	3	61,738	166,435	207,445
Warehousing and storage	33	1,774,914	1,915,181	3,572,835
Newspaper publishers	<1	7,139	9,919	16,243
Periodical publishers	<1	9,117	11,073	20,850
Book publishers	<1	2,888	5,882	13,209
Directory, mailing list, and other publishers	<1	1,545	2,885	5,476
Greeting card publishing	0	0	0	0
Software publishers	<1	121,966	189,137	282,429
Motion picture and video industries	<1	13,241	21,451	83,416
Sound recording industries	<1	1,067	6,800	15,282
Radio and television broadcasting	<1	148,636	160,902	266,436
Cable and other subscription programming	<1	33,371	71,601	159,205
Wired telecommunications carriers	<1	37,972	73,625	154,048



## Appendix

Wireless telecommunications carriers (except satellite)	<1	15,353	100,675	297,222
Satellite, telecommunications resellers, and all other telecommunications	<1	23,138	27,327	69,555
Data processing, hosting, and related services	1	161,090	291,808	870,458
News syndicates, libraries, archives and all other information services	<1	8,524	11,968	25,997
Internet publishing and broadcasting and web search portals	<1	51,663	109,556	415,925
Nondepository credit intermediation and related activities	2	166,865	178,054	283,760
Securities and commodity contracts intermediation and brokerage	3	168,030	136,569	337,590
Monetary authorities and depository credit intermediation	3	385,674	1,050,424	1,622,737
Other financial investment activities	2	87,418	99,868	299,632
Direct life insurance carriers	<1	33,715	65,974	103,522
Insurance carriers, except direct life	1	135,856	401,040	931,515
Insurance agencies, brokerages, and related activities	3	215,834	330,376	811,148
Funds, trusts, and other financial vehicles	<1	19,499	34,394	175,518
Other real estate	16	478,962	1,355,863	3,320,042
Tenant-occupied housing	<1	25,263	384,794	409,616
Owner-occupied dwellings	0	0	1,604,171	1,947,344
Automotive equipment rental and leasing	<1	28,840	100,862	123,901
General and consumer goods rental except video tapes and discs	<1	30,430	52,828	73,002
Video tape and disc rental	<1	6,779	10,805	17,477
Commercial and industrial machinery and equipment rental and leasing	<1	37,902	111,584	134,703
Lessors of nonfinancial intangible assets	<1	4,600	141,217	148,967
Legal services	4	344,802	497,369	745,280
Accounting, tax preparation, bookkeeping, and payroll services	2	163,631	205,981	343,612
Architectural, engineering, and related services	4	314,051	346,845	704,886
Specialized design services	<1	15,699	26,687	50,619

## Appendix

Custom computer programming services	<1	62,812	67,371	97,826
Computer systems design services	<1	81,960	78,889	105,167
Other computer related services, including facilities management	<1	47,957	64,990	130,012
Management consulting services	6	548,839	569,364	980,663
Environmental and other technical consulting services	<1	40,245	45,311	78,764
Scientific research and development services	54	6,154,274	8,955,698	15,529,249
Advertising, public relations, and related services	1	102,131	152,537	371,850
Photographic services	<1	3,656	8,820	20,838
Veterinary services	<1	22,493	25,251	39,611
Marketing research and all other miscellaneous professional, scientific, and technical services	2	109,426	182,753	453,527
Management of companies and enterprises	5	549,034	650,117	1,129,741
Office administrative services	2	168,799	66,406	174,893
Facilities support services	<1	17,658	24,389	58,538
Employment services	12	615,800	864,136	1,435,894
Business support services	2	107,004	93,721	174,659
Travel arrangement and reservation services	<1	32,996	54,897	178,897
Investigation and security services	7	354,177	359,720	499,746
Services to buildings	2	96,642	140,599	284,297
Landscape and horticultural services	1	60,114	76,366	146,684
Other support services	<1	23,111	30,161	61,725
Waste management and remediation services	<1	40,103	101,003	173,610
Elementary and secondary schools	<1	43,859	41,738	49,920
Junior colleges, colleges, universities, and professional schools	18	913,585	1,252,043	1,653,438
Other educational services	1	65,979	75,303	132,937
Offices of physicians	4	414,388	420,642	616,195
Offices of dentists	1	77,843	94,884	130,598
Offices of other health practitioners	1	70,899	110,894	141,667
Outpatient care centers	1	97,963	97,542	152,393
Medical and diagnostic laboratories	<1	35,096	58,933	79,848
Home health care services	2	67,145	67,570	91,006

## Appendix

Other ambulatory health care services	<1	31,184	37,457	54,925
Hospitals	5	521,995	618,632	1,124,239
Nursing and community care facilities	1	61,442	68,888	113,292
Residential mental retardation, mental health, substance abuse and other facilities	<1	33,887	34,995	52,309
Individual and family services	3	97,125	92,015	127,218
Child day care services	<1	29,662	52,858	67,458
Community food, housing, and other relief services, including rehabilitation services	<1	20,055	20,157	41,796
Performing arts companies	<1	7,424	14,774	27,160
Commercial Sports Except Racing	1	52,827	38,355	66,833
Racing and Track Operation	<1	1,253	2,780	4,884
Independent artists, writers, and performers	<1	7,513	26,630	36,681
Promoters of performing arts and sports and agents for public figures	<1	8,961	27,921	60,459
Museums, historical sites, zoos, and parks	<1	4,768	5,708	9,978
Amusement parks and arcades	<1	1,583	3,485	4,422
Gambling industries (except casino hotels)	<1	18,442	47,884	67,420
Other amusement and recreation industries	<1	22,419	23,449	33,303
Fitness and recreational sports centers	<1	12,231	15,262	25,845
Bowling centers	<1	2,111	3,099	4,741
Hotels and motels, including casino hotels	<1	42,386	88,769	131,129
Other accommodations	<1	7,852	9,955	13,049
Full-service restaurants	6	229,914	344,270	632,034
Limited-service restaurants	6	173,594	269,009	617,404
All other food and drinking places	4	133,480	198,337	317,477
Automotive repair and maintenance, except car washes	2	134,920	165,632	238,280
Car washes	1	70,000	105,257	157,169
Electronic and precision equipment repair and maintenance	<1	55,914	79,650	121,620
Commercial and industrial machinery and equipment repair and maintenance	<1	61,614	68,180	108,214
Personal and household goods repair and maintenance	<1	17,597	37,685	52,372

## Appendix

Personal care services	2	61,096	43,133	52,770
Death care services	<1	7,800	6,019	8,322
Dry-cleaning and laundry services	<1	29,670	21,436	27,672
Other personal services	1	42,639	54,197	76,220
Religious organizations	1	74,154	45,368	116,711
Grantmaking, giving, and social advocacy organizations	<1	22,961	76,457	105,569
Business and professional associations	<1	15,845	27,849	46,120
Labor and civic organizations	<1	17,518	57,287	88,431
Private households	<1	18,301	18,301	18,378
Postal service	<1	66,761	66,993	67,483
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,699	3,210	9,489
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	329	81	238
Local government electric utilities	<1	46,311	149,762	269,408
Other local government enterprises	2	152,623	412,008	840,359
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	933,538	1,497,572	2,553,334

## Arkansas

## NASA

Table 637: Detailed NASA Impacts by Types of Impact, Arkansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	40	2,790,852	4,287,759	8,656,094
Oilseed farming	<1	9,041	22,984	32,711
Grain farming	<1	3,938	5,703	22,371
Vegetable and melon farming	<1	267	426	802
Fruit farming	<1	110	164	229
Tree nut farming	<1	58	92	138
Greenhouse, nursery, and floriculture production	<1	104	179	415
Tobacco farming	0	0	0	0
Cotton farming	<1	313	535	1,178
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	541	833	1,887
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	914	1,685	4,478
Dairy cattle and milk production	<1	28	48	236
Poultry and egg production	<1	793	1,574	20,531
Animal production, except cattle and poultry and eggs	<1	5,256	13,637	15,564
Forestry, forest products, and timber tract production	<1	1,085	1,332	1,861
Commercial logging	<1	364	504	829
Commercial fishing	<1	-62	93	94
Commercial hunting and trapping	<1	<1	42	63
Support activities for agriculture and forestry	<1	2,868	3,077	3,431
Oil and gas extraction	<1	261	1,289	14,283
Coal mining	<1	10	28	58
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	87	165	382
Other metal ore mining	<1	55	105	259
Stone mining and quarrying	<1	360	984	1,987
Sand and gravel mining	<1	435	735	1,446

## Appendix

Other clay, ceramic, refractory minerals mining	<1	33	57	115
Potash, soda, and borate mineral mining	<1	8	13	30
Phosphate rock mining	<1	3	6	15
Other chemical and fertilizer mineral mining	<1	1	2	4
Other nonmetallic minerals	<1	32	60	150
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	18	34	89
Metal mining services	<1	5	26	307
Other nonmetallic minerals services	<1	<1	4	43
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	1,336	6,201	14,532
Electric power generation - Nuclear	<1	3,038	7,547	15,423
Electric power generation - Solar	<1	30	90	187
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	8,513	36,728	88,071
Natural gas distribution	<1	2,151	9,638	22,854
Water, sewage and other systems	<1	638	1,652	3,468
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,738	9,060	28,365
Maintenance and repair construction of residential structures	<1	2,561	3,506	10,029
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	3	8
Dog and cat food manufacturing	<1	487	1,394	5,105
Other animal food manufacturing	<1	295	598	4,543
Flour milling	<1	44	98	616
Rice milling	<1	56	106	774
Malt manufacturing	0	0	0	0
Wet corn milling	<1	811	2,014	14,108
Soybean and other oilseed processing	<1	24	163	1,892
Fats and oils refining and blending	<1	6	16	214
Breakfast cereal manufacturing	<1	62	158	672
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4	6	38
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	4
Frozen fruits, juices and vegetables manufacturing	<1	211	462	1,761
Frozen specialties manufacturing	<1	825	1,152	4,849
Canned fruits and vegetables manufacturing	<1	131	259	951
Canned specialties	<1	50	118	502
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	<1	27	66	408
Fluid milk manufacturing	<1	242	408	2,629
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	34	51	245



## Appendix

Frozen cakes and other pastries manufacturing	<1	138	217	424
Poultry processing	<1	4,032	5,215	25,866
Animal, except poultry, slaughtering	<1	108	148	1,145
Meat processed from carcasses	<1	551	572	4,928
Rendering and meat byproduct processing	<1	94	92	543
Seafood product preparation and packaging	<1	4	6	42
Bread and bakery product, except frozen, manufacturing	<1	1,006	1,507	3,514
Cookie and cracker manufacturing	<1	180	269	1,193
Dry pasta, mixes, and dough manufacturing	<1	112	265	901
Tortilla manufacturing	<1	138	189	624
Roasted nuts and peanut butter manufacturing	<1	227	742	2,018
Other snack food manufacturing	<1	368	1,047	3,337
Coffee and tea manufacturing	<1	14	28	190
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	44	88	490
Spice and extract manufacturing	<1	11	19	99
All other food manufacturing	<1	11	16	77
Bottled and canned soft drinks & water	<1	674	1,246	5,131
Manufactured ice	<1	40	29	160
Breweries	<1	138	390	1,253
Wineries	<1	109	213	739
Distilleries	<1	191	1,220	2,335
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	13	12	60
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	80	57	381
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	5
Fabric coating mills	<1	6	6	39
Carpet and rug mills	<1	12	12	98
Curtain and linen mills	<1	<1	<1	3
Textile bag and canvas mills	<1	15	14	51
Rope, cordage, twine, tire cord and tire fabric mills	<1	248	230	826

## Appendix

Other textile product mills	<1	36	35	107
Hosiery and sock mills	<1	24	22	58
Other apparel knitting mills	<1	21	18	51
Cut and sew apparel contractors	<1	4	5	12
Men's and boys' cut and sew apparel manufacturing	<1	5	5	15
Women's and girls' cut and sew apparel manufacturing	<1	5	4	28
Other cut and sew apparel manufacturing	<1	3	3	10
Apparel accessories and other apparel manufacturing	<1	29	24	79
Leather and hide tanning and finishing	<1	0	0	1
Footwear manufacturing	<1	30	29	128
Other leather and allied product manufacturing	<1	10	9	30
Sawmills	<1	663	1,750	5,092
Wood preservation	<1	42	209	627
Veneer and plywood manufacturing	<1	159	355	961
Engineered wood member and truss manufacturing	<1	55	137	384
Reconstituted wood product manufacturing	<1	113	618	1,694
Wood windows and door manufacturing	<1	598	1,084	2,960
Cut stock, resawing lumber, and planing	<1	105	324	825
Other millwork, including flooring	<1	245	585	1,491
Wood container and pallet manufacturing	<1	216	405	1,151
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	4	12	34
All other miscellaneous wood product manufacturing	<1	121	234	667
Pulp mills	<1	2	3	11
Paper mills	<1	831	1,625	5,214
Paperboard mills	<1	439	835	3,393
Paperboard container manufacturing	<1	920	1,331	6,698
Paper bag and coated and treated paper manufacturing	<1	479	705	2,950
Stationery product manufacturing	<1	4	5	18

## Appendix

Sanitary paper product manufacturing	<1	757	2,071	8,298
All other converted paper product manufacturing	0	0	0	0
Printing	<1	3,067	4,670	10,166
Support activities for printing	<1	32	48	84
Petroleum refineries	<1	578	2,601	39,117
Asphalt paving mixture and block manufacturing	<1	85	103	520
Asphalt shingle and coating materials manufacturing	<1	56	120	594
Petroleum lubricating oil and grease manufacturing	<1	118	192	1,114
All other petroleum and coal products manufacturing	<1	90	171	863
Petrochemical manufacturing	<1	5	62	414
Industrial gas manufacturing	<1	11	33	173
Synthetic dye and pigment manufacturing	<1	<1	2	10
Other basic inorganic chemical manufacturing	<1	237	538	1,755
Other basic organic chemical manufacturing	<1	270	662	4,683
Plastics material and resin manufacturing	<1	90	169	1,457
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	88	315	1,139
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	8	16	57
Pesticide and other agricultural chemical manufacturing	<1	63	227	1,035
Medicinal and botanical manufacturing	<1	8	12	51
Pharmaceutical preparation manufacturing	<1	62	168	556
In-vitro diagnostic substance manufacturing	<1	3	4	13
Biological product (except diagnostic) manufacturing	<1	1	3	7
Paint and coating manufacturing	<1	19	40	193
Adhesive manufacturing	<1	12	20	96
Soap and other detergent manufacturing	<1	22	61	348
Polish and other sanitation good manufacturing	<1	25	41	186

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	178	523	1,472
Printing ink manufacturing	<1	8	9	46
Explosives manufacturing	<1	30	35	143
Custom compounding of purchased resins	<1	3	6	28
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	61	98	406
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	282	570	2,090
Unlaminated plastics profile shape manufacturing	<1	28	86	235
Plastics pipe and pipe fitting manufacturing	<1	116	474	1,372
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	71	152	313
Polystyrene foam product manufacturing	<1	195	449	1,627
Urethane and other foam product (except polystyrene) manufacturing	<1	107	236	794
Plastics bottle manufacturing	<1	13	25	100
Other plastics product manufacturing	<1	685	1,250	4,189
Tire manufacturing	<1	7,590	10,801	36,848
Rubber and plastics hoses and belting manufacturing	<1	171	336	1,005
Other rubber product manufacturing	<1	631	909	2,767
Pottery, ceramics, and plumbing fixture manufacturing	<1	45	64	158
Brick, tile, and other structural clay product manufacturing	<1	99	147	399
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	143	213	635
Glass container manufacturing	<1	38	55	173
Glass product manufacturing made of purchased glass	<1	25	39	127
Cement manufacturing	<1	67	126	340
Ready-mix concrete manufacturing	<1	616	894	3,650
Concrete block and brick manufacturing	<1	127	196	637
Concrete pipe manufacturing	<1	25	37	119

## Appendix

Other concrete product manufacturing	<1	173	231	670
Lime manufacturing	<1	24	44	157
Gypsum product manufacturing	<1	30	70	242
Abrasive product manufacturing	<1	39	71	193
Cut stone and stone product manufacturing	<1	65	79	246
Ground or treated mineral and earth manufacturing	<1	11	22	88
Mineral wool manufacturing	<1	4	9	41
Miscellaneous nonmetallic mineral products manufacturing	<1	13	24	68
Iron and steel mills and ferroalloy manufacturing	<1	1,006	4,927	16,022
Iron, steel pipe and tube manufacturing from purchased steel	<1	78	336	1,101
Rolled steel shape manufacturing	<1	28	221	641
Steel wire drawing	<1	69	264	901
Alumina refining and primary aluminum production	<1	20	53	247
Secondary smelting and alloying of aluminum	<1	2	9	64
Aluminum sheet, plate, and foil manufacturing	<1	91	370	1,194
Other aluminum rolling, drawing and extruding	<1	11	24	133
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	18	66	498
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	2	8	32
Ferrous metal foundries	<1	21	66	144
Nonferrous metal foundries	<1	102	206	522
Custom roll forming	<1	8	13	72
Crown and closure manufacturing and metal stamping	<1	51	75	260
Iron and steel forging	<1	29	46	164
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	32	94	231
Handtool manufacturing	<1	88	173	416
Prefabricated metal buildings and components manufacturing	<1	104	185	551

## Appendix

Fabricated structural metal manufacturing	<1	356	631	1,905
Plate work manufacturing	<1	111	134	473
Metal window and door manufacturing	<1	158	255	708
Sheet metal work manufacturing	<1	136	215	574
Ornamental and architectural metal work manufacturing	<1	46	62	201
Power boiler and heat exchanger manufacturing	<1	<1	1	4
Metal tank (heavy gauge) manufacturing	<1	10	14	42
Metal cans manufacturing	<1	8	19	104
Metal barrels, drums and pails manufacturing	<1	14	21	107
Hardware manufacturing	<1	42	73	249
Spring and wire product manufacturing	<1	58	87	295
Machine shops	<1	5,859	7,585	17,676
Turned product and screw, nut, and bolt manufacturing	<1	37	54	173
Metal heat treating	<1	11	16	50
Metal coating and nonprecious engraving	<1	41	90	228
Electroplating, anodizing, and coloring metal	<1	19	21	54
Valve and fittings, other than plumbing, manufacturing	<1	95	168	573
Plumbing fixture fitting and trim manufacturing	<1	40	124	492
Ball and roller bearing manufacturing	<1	16	32	90
Small arms ammunition manufacturing	<1	645	1,909	4,421
Ammunition, except for small arms, manufacturing	<1	42	49	117
Small arms, ordnance, and accessories manufacturing	<1	186	507	1,274
Fabricated pipe and pipe fitting manufacturing	<1	38	54	176
Other fabricated metal manufacturing	<1	115	174	496
Farm machinery and equipment manufacturing	<1	37	81	325
Lawn and garden equipment manufacturing	<1	43	88	410
Construction machinery manufacturing	<1	27	78	246
Mining machinery and equipment manufacturing	<1	2	3	10

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	5	6	20
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	7	8	23
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	1	1	4
Optical instrument and lens manufacturing	<1	4	7	20
Photographic and photocopying equipment manufacturing	<1	<1	1	4
Other commercial service industry machinery manufacturing	<1	9	18	61
Air purification and ventilation equipment manufacturing	<1	20	28	75
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	147	294	928
Industrial mold manufacturing	<1	28	36	93
Special tool, die, jig, and fixture manufacturing	<1	9	13	30
Cutting tool and machine tool accessory manufacturing	<1	19	24	62
Machine tool manufacturing	<1	4	6	19
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	12	21	64
Other engine equipment manufacturing	<1	6	13	63
Pump and pumping equipment manufacturing	<1	<1	<1	3
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	<1	0	0	<1

## Appendix

Conveyor and conveying equipment manufacturing	<1	28	33	103
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	1
Industrial truck, trailer, and stacker manufacturing	<1	6	12	42
Power-driven handtool manufacturing	<1	3	11	28
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	1	4
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	10	17	38
Fluid power pump and motor manufacturing	<1	1	3	8
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	2	7
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	1	2	8
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	<1	1	18
Printed circuit assembly (electronic assembly) manufacturing	<1	18	29	166
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	6	10	47
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3	4	16
Electronic connector manufacturing	<1	179	245	593
Other electronic component manufacturing	<1	37	50	283



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	0	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	3
Totalizing fluid meter and counting device manufacturing	<1	2	4	12
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	2	3	7
Lighting fixture manufacturing	<1	17	22	84
Small electrical appliance manufacturing	<1	2	3	13
Household cooking appliance manufacturing	<1	0	1	4
Household refrigerator and home freezer manufacturing	<1	0	1	4
Household laundry equipment manufacturing	<1	1	3	12
Other major household appliance manufacturing	<1	0	0	1
Power, distribution, and specialty transformer manufacturing	<1	4	5	16
Motor and generator manufacturing	<1	150	280	994
Switchgear and switchboard apparatus manufacturing	<1	3	5	15
Relay and industrial control manufacturing	<1	<1	<1	5
Storage battery manufacturing	<1	33	55	181
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	14	26	117
Wiring device manufacturing	<1	130	269	803
Carbon and graphite product manufacturing	<1	53	80	323
All other miscellaneous electrical equipment and component manufacturing	<1	688	792	2,678
Automobile manufacturing	<1	<1	<1	5
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	6
Motor vehicle body manufacturing	<1	10	10	53
Truck trailer manufacturing	<1	5	5	29
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	260	256	1,779
Motor vehicle gasoline engine and engine parts manufacturing	<1	152	151	1,418
Motor vehicle electrical and electronic equipment manufacturing	<1	129	151	965
Motor vehicle transmission and power train parts manufacturing	<1	294	277	2,015
Motor vehicle seating and interior trim manufacturing	<1	9	9	89
Motor vehicle metal stamping	<1	244	238	1,198
Other motor vehicle parts manufacturing	<1	431	409	3,090
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	797	770	5,433
Aircraft manufacturing	<1	5	13	32
Aircraft engine and engine parts manufacturing	<1	10	40	83
Other aircraft parts and auxiliary equipment manufacturing	<1	2,923	5,080	11,137
Guided missile and space vehicle manufacturing	<1	3	6	13
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1	2	4
Railroad rolling stock manufacturing	<1	2	3	13
Ship building and repairing	<1	8	16	31
Boat building	<1	388	759	2,470
Motorcycle, bicycle, and parts manufacturing	<1	48	307	563

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	99	315	1,078
Wood kitchen cabinet and countertop manufacturing	<1	91	131	364
Upholstered household furniture manufacturing	<1	75	87	336
Nonupholstered wood household furniture manufacturing	<1	33	40	130
Other household nonupholstered furniture manufacturing	<1	5	10	38
Institutional furniture manufacturing	<1	15	16	61
Wood office furniture manufacturing	<1	0	0	<1
Custom architectural woodwork and millwork	<1	3	3	10
Office furniture, except wood, manufacturing	<1	2	5	21
Showcase, partition, shelving, and locker manufacturing	<1	19	29	81
Mattress manufacturing	<1	4	8	54
Blind and shade manufacturing	<1	1	1	5
Surgical and medical instrument manufacturing	<1	81	93	276
Surgical appliance and supplies manufacturing	<1	19	24	78
Dental equipment and supplies manufacturing	<1	<1	<1	2
Ophthalmic goods manufacturing	<1	4	5	33
Dental laboratories	<1	39	40	80
Jewelry and silverware manufacturing	<1	53	113	326
Sporting and athletic goods manufacturing	<1	55	63	311
Doll, toy, and game manufacturing	<1	9	10	40
Office supplies (except paper) manufacturing	<1	123	138	491
Sign manufacturing	<1	201	182	507
Gasket, packing, and sealing device manufacturing	<1	8	9	29
Musical instrument manufacturing	<1	3	4	12
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	<1	10	11	51
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	51	59	238
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,178	5,688	12,007
Wholesale - Professional and commercial equipment and supplies	<1	5,708	10,141	18,513
Wholesale - Household appliances and electrical and electronic goods	<1	2,967	8,962	19,132
Wholesale - Machinery, equipment, and supplies	<1	4,989	11,042	20,650
Wholesale - Other durable goods merchant wholesalers	<1	5,393	11,535	23,723
Wholesale - Drugs and druggistsâ€™ sundries	<1	4,734	14,155	29,357
Wholesale - Grocery and related product wholesalers	<1	7,075	11,984	20,778
Wholesale - Petroleum and petroleum products	<1	843	15,818	19,229
Wholesale - Other nondurable goods merchant wholesalers	<1	9,915	25,593	48,433
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,877	5,831	6,981
Retail - Motor vehicle and parts dealers	<1	8,849	13,128	18,641
Retail - Furniture and home furnishings stores	<1	3,367	4,961	8,683
Retail - Electronics and appliance stores	<1	3,243	3,196	5,725
Retail - Building material and garden equipment and supplies stores	<1	4,339	9,398	13,758
Retail - Food and beverage stores	<1	10,252	15,537	26,381
Retail - Health and personal care stores	<1	8,179	10,818	16,243
Retail - Gasoline stores	<1	3,585	9,505	19,159
Retail - Clothing and clothing accessories stores	<1	3,760	7,352	16,577
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,378	4,693	8,030
Retail - General merchandise stores	<1	11,660	19,943	33,701
Retail - Miscellaneous store retailers	<1	6,924	7,914	14,973
Retail - Nonstore retailers	<1	6,390	39,845	65,944
Air transportation	<1	2,431	7,160	18,012

## Appendix

Rail transportation	<1	1,695	6,905	10,757
Water transportation	<1	275	497	3,234
Truck transportation	<1	23,920	36,622	73,718
Transit and ground passenger transportation	<1	1,661	2,228	3,655
Pipeline transportation	<1	2,390	3,689	7,779
Scenic and sightseeing transportation and support activities for transportation	<1	14,247	13,347	21,206
Couriers and messengers	<1	4,512	10,425	12,319
Warehousing and storage	<1	11,411	12,601	24,119
Newspaper publishers	<1	1,135	1,847	3,231
Periodical publishers	<1	426	598	1,408
Book publishers	<1	213	556	1,677
Directory, mailing list, and other publishers	<1	569	1,336	2,902
Greeting card publishing	0	0	0	0
Software publishers	<1	1,704	3,056	5,501
Motion picture and video industries	<1	1,135	1,631	6,149
Sound recording industries	<1	126	688	1,782
Radio and television broadcasting	<1	4,798	6,587	22,744
Cable and other subscription programming	<1	497	2,305	8,353
Wired telecommunications carriers	<1	3,648	7,792	17,770
Wireless telecommunications carriers (except satellite)	<1	1,018	7,095	21,065
Satellite, telecommunications resellers, and all other telecommunications	<1	979	1,258	3,763
Data processing, hosting, and related services	<1	11,874	27,085	71,700
News syndicates, libraries, archives and all other information services	<1	559	864	2,677
Internet publishing and broadcasting and web search portals	<1	774	2,033	15,351
Nondepository credit intermediation and related activities	<1	6,698	7,195	12,054
Securities and commodity contracts intermediation and brokerage	<1	9,782	6,685	25,229
Monetary authorities and depository credit intermediation	<1	37,943	122,301	196,890

## Appendix

Other financial investment activities	<1	3,332	4,103	17,511
Direct life insurance carriers	<1	1,573	3,484	5,371
Insurance carriers, except direct life	<1	12,430	44,248	102,641
Insurance agencies, brokerages, and related activities	<1	12,411	20,616	58,103
Funds, trusts, and other financial vehicles	<1	2,501	2,715	18,919
Other real estate	2	57,605	149,877	384,147
Tenant-occupied housing	<1	4,352	32,862	36,332
Owner-occupied dwellings	0	0	159,232	192,167
Automotive equipment rental and leasing	<1	1,383	7,160	9,111
General and consumer goods rental except video tapes and discs	<1	1,924	4,407	6,613
Video tape and disc rental	<1	569	1,103	1,806
Commercial and industrial machinery and equipment rental and leasing	<1	2,256	9,638	12,030
Lessors of nonfinancial intangible assets	<1	187	7,668	8,163
Legal services	<1	39,044	63,234	101,969
Accounting, tax preparation, bookkeeping, and payroll services	<1	13,635	17,016	30,618
Architectural, engineering, and related services	<1	15,963	17,331	35,508
Specialized design services	<1	958	1,541	3,103
Custom computer programming services	<1	4,607	5,070	7,374
Computer systems design services	<1	5,426	5,243	7,156
Other computer related services, including facilities management	<1	4,986	6,609	14,566
Management consulting services	2	125,110	128,322	229,840
Environmental and other technical consulting services	<1	7,365	8,089	13,953
Scientific research and development services	13	976,723	1,288,531	2,884,899
Advertising, public relations, and related services	<1	15,155	23,487	57,304
Photographic services	<1	463	1,044	2,621
Veterinary services	<1	1,433	1,593	2,750
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	14,217	22,813	52,312
Management of companies and enterprises	<1	125,189	140,616	211,680

## Appendix

Office administrative services	<1	17,607	8,302	23,243
Facilities support services	<1	1,209	1,717	4,619
Employment services	2	68,205	98,649	179,341
Business support services	<1	11,694	10,512	20,269
Travel arrangement and reservation services	<1	823	1,406	5,112
Investigation and security services	<1	4,896	5,081	7,960
Services to buildings	<1	9,005	13,511	30,683
Landscape and horticultural services	<1	4,445	5,761	11,945
Other support services	<1	1,866	2,463	5,622
Waste management and remediation services	<1	3,897	7,886	15,706
Elementary and secondary schools	<1	5,809	4,887	6,116
Junior colleges, colleges, universities, and professional schools	<1	4,478	5,718	8,739
Other educational services	<1	2,632	2,887	6,036
Offices of physicians	<1	52,184	52,284	78,513
Offices of dentists	<1	9,047	11,371	15,766
Offices of other health practitioners	<1	7,551	12,677	16,243
Outpatient care centers	<1	8,529	8,432	13,804
Medical and diagnostic laboratories	<1	2,960	5,401	7,217
Home health care services	<1	7,391	7,356	9,643
Other ambulatory health care services	<1	3,084	3,806	5,913
Hospitals	<1	64,794	77,250	151,996
Nursing and community care facilities	<1	9,977	11,253	19,273
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,330	4,424	6,867
Individual and family services	<1	15,817	13,974	19,783
Child day care services	<1	4,805	7,578	10,164
Community food, housing, and other relief services, including rehabilitation services	<1	2,744	2,539	6,126
Performing arts companies	<1	596	870	2,446
Commercial Sports Except Racing	<1	766	441	1,282
Racing and Track Operation	<1	269	414	962
Independent artists, writers, and performers	<1	274	535	1,224

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,414	2,508	8,758
Museums, historical sites, zoos, and parks	<1	499	554	1,038
Amusement parks and arcades	<1	223	376	478
Gambling industries (except casino hotels)	<1	1,349	4,474	6,423
Other amusement and recreation industries	<1	1,652	1,316	2,254
Fitness and recreational sports centers	<1	884	1,146	2,037
Bowling centers	<1	175	255	458
Hotels and motels, including casino hotels	<1	628	1,378	2,275
Other accommodations	<1	186	229	312
Full-service restaurants	<1	20,770	32,812	67,293
Limited-service restaurants	<1	16,395	27,200	67,894
All other food and drinking places	<1	14,453	21,274	35,418
Automotive repair and maintenance, except car washes	<1	12,670	16,921	24,238
Car washes	<1	6,757	10,412	15,354
Electronic and precision equipment repair and maintenance	<1	3,028	4,693	8,117
Commercial and industrial machinery and equipment repair and maintenance	<1	6,355	7,886	12,716
Personal and household goods repair and maintenance	<1	1,718	4,274	5,897
Personal care services	<1	3,828	3,813	4,476
Death care services	<1	808	849	1,133
Dry-cleaning and laundry services	<1	2,521	2,556	3,146
Other personal services	<1	3,464	4,640	6,783
Religious organizations	<1	10,182	8,943	21,683
Grantmaking, giving, and social advocacy organizations	<1	2,510	10,859	14,967
Business and professional associations	<1	2,590	5,374	9,143
Labor and civic organizations	<1	1,193	4,961	8,269
Private households	<1	1,596	1,596	1,596
Postal service	<1	7,899	7,931	7,935
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	330	-1,224	458
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	62	97	183
Local government passenger transit	<1	434	85	264
Local government electric utilities	<1	709	2,134	5,010
Other local government enterprises	<1	8,518	19,434	49,409
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	498,806	724,753	1,326,280

## Moon to Mars Campaign

**Table 638: Detailed M2M Campaign Impacts by Types of Impact, Arkansas**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	2	117,927	181,538	369,811
Oilseed farming	<1	538	1,585	2,384
Grain farming	<1	158	326	911
Vegetable and melon farming	<1	10	17	30
Fruit farming	<1	4	6	9
Tree nut farming	<1	2	4	5
Greenhouse, nursery, and floriculture production	<1	4	7	16
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	<1	12	20	44
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	14	22	50
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	35	73	178
Dairy cattle and milk production	<1	1	2	9
Poultry and egg production	<1	29	62	766
Animal production, except cattle and poultry and eggs	<1	213	653	715
Forestry, forest products, and timber tract production	<1	7	8	11
Commercial logging	<1	16	23	37
Commercial fishing	<1	-3	4	4
Commercial hunting and trapping	<1	<1	2	3
Support activities for agriculture and forestry	<1	122	133	148
Oil and gas extraction	<1	9	55	628
Coal mining	<1	<1	<1	2
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	3	7	16
Other metal ore mining	<1	3	5	12
Stone mining and quarrying	<1	16	43	88
Sand and gravel mining	<1	24	41	78
Other clay, ceramic, refractory minerals mining	<1	2	3	5
Potash, soda, and borate mineral mining	<1	<1	<1	1
Phosphate rock mining	<1	0	<1	<1
Other chemical and fertilizer mineral mining	<1	0	<1	<1
Other nonmetallic minerals	<1	2	3	8
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	1	3
Metal mining services	<1	<1	<1	11
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	0	0	0	0

## Appendix

Electric power generation - Fossil fuel	<1	76	321	755
Electric power generation - Nuclear	<1	181	447	908
Electric power generation - Solar	<1	2	5	10
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	400	1,655	3,965
Natural gas distribution	<1	103	457	1,070
Water, sewage and other systems	<1	27	69	144
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	331	455	1,391
Maintenance and repair construction of residential structures	<1	104	144	408
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	16	46	166
Other animal food manufacturing	<1	12	26	193
Flour milling	<1	2	3	22

## Appendix

Rice milling	<1	2	5	33
Malt manufacturing	0	0	0	0
Wet corn milling	<1	29	79	506
Soybean and other oilseed processing	<1	1	8	85
Fats and oils refining and blending	<1	<1	<1	10
Breakfast cereal manufacturing	<1	2	5	19
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	1
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	0	0	<1
Frozen fruits, juices and vegetables manufacturing	<1	8	19	69
Frozen specialties manufacturing	<1	32	44	188
Canned fruits and vegetables manufacturing	<1	6	12	42
Canned specialties	<1	2	6	24
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	<1	1	3	19
Fluid milk manufacturing	<1	10	18	112
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1	2	10
Frozen cakes and other pastries manufacturing	<1	5	9	17
Poultry processing	<1	147	195	960
Animal, except poultry, slaughtering	<1	4	5	39
Meat processed from carcasses	<1	24	25	214
Rendering and meat byproduct processing	<1	4	4	23
Seafood product preparation and packaging	<1	<1	<1	2
Bread and bakery product, except frozen, manufacturing	<1	40	60	140
Cookie and cracker manufacturing	<1	9	14	56
Dry pasta, mixes, and dough manufacturing	<1	4	9	33
Tortilla manufacturing	<1	5	7	23

## Appendix

Roasted nuts and peanut butter manufacturing	<1	10	33	86
Other snack food manufacturing	<1	15	43	134
Coffee and tea manufacturing	<1	<1	1	7
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2	4	21
Spice and extract manufacturing	<1	<1	<1	5
All other food manufacturing	<1	<1	<1	3
Bottled and canned soft drinks & water	<1	26	48	199
Manufactured ice	<1	2	1	6
Breweries	<1	5	15	47
Wineries	<1	5	10	35
Distilleries	<1	8	52	96
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	<1	<1	3
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	3	3	12
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	0	<1
Fabric coating mills	<1	<1	<1	2
Carpet and rug mills	<1	<1	<1	3
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	<1	<1	2
Rope, cordage, twine, tire cord and tire fabric mills	<1	10	10	33
Other textile product mills	<1	1	1	3
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	<1	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	1	1	3
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	1	1	6
Other leather and allied product manufacturing	<1	<1	<1	1

## Appendix

Sawmills	<1	29	76	221
Wood preservation	<1	2	8	27
Veneer and plywood manufacturing	<1	6	14	39
Engineered wood member and truss manufacturing	<1	3	7	20
Reconstituted wood product manufacturing	<1	5	26	71
Wood windows and door manufacturing	<1	27	48	131
Cut stock, resawing lumber, and planing	<1	4	13	35
Other millwork, including flooring	<1	12	28	71
Wood container and pallet manufacturing	<1	9	17	50
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	<1	<1	1
All other miscellaneous wood product manufacturing	<1	6	11	31
Pulp mills	<1	0	0	<1
Paper mills	<1	31	55	191
Paperboard mills	<1	17	31	131
Paperboard container manufacturing	<1	38	57	294
Paper bag and coated and treated paper manufacturing	<1	23	33	139
Stationery product manufacturing	<1	<1	<1	<1
Sanitary paper product manufacturing	<1	33	85	358
All other converted paper product manufacturing	0	0	0	0
Printing	<1	151	235	498
Support activities for printing	<1	2	3	5
Petroleum refineries	<1	30	148	2,058
Asphalt paving mixture and block manufacturing	<1	4	5	23
Asphalt shingle and coating materials manufacturing	<1	3	7	31
Petroleum lubricating oil and grease manufacturing	<1	6	11	59
All other petroleum and coal products manufacturing	<1	3	6	30
Petrochemical manufacturing	<1	<1	3	18
Industrial gas manufacturing	<1	<1	1	7

## Appendix

Synthetic dye and pigment manufacturing	<1	0	0	<1
Other basic inorganic chemical manufacturing	<1	6	14	42
Other basic organic chemical manufacturing	<1	12	30	208
Plastics material and resin manufacturing	<1	4	8	67
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	5	21	64
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	3
Pesticide and other agricultural chemical manufacturing	<1	3	10	44
Medicinal and botanical manufacturing	<1	<1	<1	2
Pharmaceutical preparation manufacturing	<1	3	7	24
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1
Biological product (except diagnostic) manufacturing	<1	0	0	<1
Paint and coating manufacturing	<1	<1	2	9
Adhesive manufacturing	<1	<1	1	5
Soap and other detergent manufacturing	<1	1	3	17
Polish and other sanitation good manufacturing	<1	1	2	10
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	8	25	69
Printing ink manufacturing	<1	<1	<1	3
Explosives manufacturing	<1	1	2	7
Custom compounding of purchased resins	<1	<1	<1	<1
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	3	5	19
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	12	25	89
Unlaminated plastics profile shape manufacturing	<1	1	4	11
Plastics pipe and pipe fitting manufacturing	<1	6	26	74

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2	5	10
Polystyrene foam product manufacturing	<1	9	22	78
Urethane and other foam product (except polystyrene) manufacturing	<1	5	11	37
Plastics bottle manufacturing	<1	<1	1	5
Other plastics product manufacturing	<1	31	59	192
Tire manufacturing	<1	42	62	210
Rubber and plastics hoses and belting manufacturing	<1	6	12	37
Other rubber product manufacturing	<1	31	44	140
Pottery, ceramics, and plumbing fixture manufacturing	<1	2	3	8
Brick, tile, and other structural clay product manufacturing	<1	4	6	17
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	8	12	36
Glass container manufacturing	<1	1	2	7
Glass product manufacturing made of purchased glass	<1	1	2	6
Cement manufacturing	<1	4	7	19
Ready-mix concrete manufacturing	<1	31	44	182
Concrete block and brick manufacturing	<1	7	10	33
Concrete pipe manufacturing	<1	1	2	5
Other concrete product manufacturing	<1	8	10	30
Lime manufacturing	<1	1	2	6
Gypsum product manufacturing	<1	2	4	12
Abrasive product manufacturing	<1	2	3	8
Cut stone and stone product manufacturing	<1	3	3	10
Ground or treated mineral and earth manufacturing	<1	<1	<1	4
Mineral wool manufacturing	<1	<1	<1	2
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	1	4
Iron and steel mills and ferroalloy manufacturing	<1	37	186	591
Iron, steel pipe and tube manufacturing from purchased steel	<1	3	13	43



## Appendix

Rolled steel shape manufacturing	<1	1	8	24
Steel wire drawing	<1	1	5	18
Alumina refining and primary aluminum production	<1	<1	2	10
Secondary smelting and alloying of aluminum	<1	0	<1	2
Aluminum sheet, plate, and foil manufacturing	<1	2	6	21
Other aluminum rolling, drawing and extruding	<1	<1	<1	4
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	0	1	19
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	<1	1
Ferrous metal foundries	<1	1	4	8
Nonferrous metal foundries	<1	4	7	17
Custom roll forming	<1	<1	<1	3
Crown and closure manufacturing and metal stamping	<1	2	4	13
Iron and steel forging	<1	<1	2	6
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	1	4	10
Handtool manufacturing	<1	5	9	21
Prefabricated metal buildings and components manufacturing	<1	7	11	34
Fabricated structural metal manufacturing	<1	20	35	106
Plate work manufacturing	<1	2	2	9
Metal window and door manufacturing	<1	11	17	47
Sheet metal work manufacturing	<1	7	11	28
Ornamental and architectural metal work manufacturing	<1	2	3	11
Power boiler and heat exchanger manufacturing	<1	0	0	<1
Metal tank (heavy gauge) manufacturing	<1	<1	1	3
Metal cans manufacturing	<1	<1	<1	4
Metal barrels, drums and pails manufacturing	<1	<1	<1	3
Hardware manufacturing	<1	2	3	11
Spring and wire product manufacturing	<1	2	3	11

## Appendix

Machine shops	<1	15	20	45
Turned product and screw, nut, and bolt manufacturing	<1	1	2	5
Metal heat treating	<1	<1	<1	2
Metal coating and nonprecious engraving	<1	2	3	9
Electroplating, anodizing, and coloring metal	<1	<1	1	3
Valve and fittings, other than plumbing, manufacturing	<1	4	8	26
Plumbing fixture fitting and trim manufacturing	<1	2	7	28
Ball and roller bearing manufacturing	<1	<1	1	4
Small arms ammunition manufacturing	<1	30	89	199
Ammunition, except for small arms, manufacturing	<1	2	2	5
Small arms, ordnance, and accessories manufacturing	<1	7	19	48
Fabricated pipe and pipe fitting manufacturing	<1	2	2	7
Other fabricated metal manufacturing	<1	6	9	26
Farm machinery and equipment manufacturing	<1	2	4	16
Lawn and garden equipment manufacturing	<1	2	4	19
Construction machinery manufacturing	<1	1	4	12
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	0	0	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	1	4

## Appendix

Air purification and ventilation equipment manufacturing	<1	<1	1	4
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7	15	46
Industrial mold manufacturing	<1	1	2	4
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1
Cutting tool and machine tool accessory manufacturing	<1	<1	<1	2
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	0	0	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	<1	<1	3
Other engine equipment manufacturing	<1	0	0	2
Pump and pumping equipment manufacturing	<1	0	0	<1
Air and gas compressor manufacturing	<1	0	0	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	1	2	4
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	2
Power-driven handtool manufacturing	<1	<1	<1	2
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	0	0	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	<1	<1	2
Fluid power pump and motor manufacturing	<1	0	0	<1

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	0	<1	<1
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	1	7
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	2
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	0	0	<1
Electronic connector manufacturing	<1	10	14	34
Other electronic component manufacturing	<1	<1	<1	2
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	<1	0	<1	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	0	0	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	1	1	6
Small electrical appliance manufacturing	<1	0	0	<1
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	<1	0	0	<1
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	0	<1	1
Motor and generator manufacturing	<1	7	13	45
Switchgear and switchboard apparatus manufacturing	<1	0	<1	<1
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	<1	2	3	9
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	<1	1	5
Wiring device manufacturing	<1	6	12	35
Carbon and graphite product manufacturing	<1	2	3	14
All other miscellaneous electrical equipment and component manufacturing	<1	0	0	<1
Automobile manufacturing	<1	0	0	<1
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	0	0	<1
Motor vehicle body manufacturing	<1	<1	<1	2
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	9	9	62

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	7	6	60
Motor vehicle electrical and electronic equipment manufacturing	<1	5	6	39
Motor vehicle transmission and power train parts manufacturing	<1	17	15	110
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	4
Motor vehicle metal stamping	<1	10	10	47
Other motor vehicle parts manufacturing	<1	19	18	133
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	34	33	236
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	<1	<1	2
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	0	<1	<1
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	1	2	4
Boat building	<1	14	27	88
Motorcycle, bicycle, and parts manufacturing	<1	2	9	17
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	3	10	34
Wood kitchen cabinet and countertop manufacturing	<1	4	6	16
Upholstered household furniture manufacturing	<1	3	4	15
Nonupholstered wood household furniture manufacturing	<1	1	2	5
Other household nonupholstered furniture manufacturing	<1	<1	<1	2
Institutional furniture manufacturing	<1	1	1	4
Wood office furniture manufacturing	0	0	0	0

Appendix

Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	<1	0	<1	1
Showcase, partition, shelving, and locker manufacturing	<1	<1	1	4
Mattress manufacturing	<1	<1	<1	2
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	3	4	11
Surgical appliance and supplies manufacturing	<1	<1	1	4
Dental equipment and supplies manufacturing	<1	0	0	<1
Ophthalmic goods manufacturing	<1	<1	<1	1
Dental laboratories	<1	2	2	3
Jewelry and silverware manufacturing	<1	2	5	13
Sporting and athletic goods manufacturing	<1	2	2	11
Doll, toy, and game manufacturing	<1	<1	<1	2
Office supplies (except paper) manufacturing	<1	6	7	25
Sign manufacturing	<1	9	8	23
Gasket, packing, and sealing device manufacturing	<1	<1	<1	1
Musical instrument manufacturing	<1	<1	<1	<1
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	<1	<1	3
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2	2	10
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	93	246	520
Wholesale - Professional and commercial equipment and supplies	<1	261	467	851
Wholesale - Household appliances and electrical and electronic goods	<1	130	398	850
Wholesale - Machinery, equipment, and supplies	<1	210	467	873
Wholesale - Other durable goods merchant wholesalers	<1	222	478	984

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	202	609	1,245
Wholesale - Grocery and related product wholesalers	<1	285	485	842
Wholesale - Petroleum and petroleum products	<1	40	827	987
Wholesale - Other nondurable goods merchant wholesalers	<1	422	1,130	2,103
Wholesale - Wholesale electronic markets and agents and brokers	<1	216	258	308
Retail - Motor vehicle and parts dealers	<1	363	537	761
Retail - Furniture and home furnishings stores	<1	136	200	351
Retail - Electronics and appliance stores	<1	133	131	231
Retail - Building material and garden equipment and supplies stores	<1	185	399	583
Retail - Food and beverage stores	<1	428	648	1,103
Retail - Health and personal care stores	<1	331	439	657
Retail - Gasoline stores	<1	166	434	864
Retail - Clothing and clothing accessories stores	<1	155	301	675
Retail - Sporting goods, hobby, musical instrument and book stores	<1	136	189	323
Retail - General merchandise stores	<1	468	800	1,349
Retail - Miscellaneous store retailers	<1	274	315	595
Retail - Nonstore retailers	<1	258	1,643	2,725
Air transportation	<1	221	673	1,678
Rail transportation	<1	125	509	792
Water transportation	<1	29	57	340
Truck transportation	<1	1,643	2,510	4,925
Transit and ground passenger transportation	<1	86	114	183
Pipeline transportation	<1	155	261	552
Scenic and sightseeing transportation and support activities for transportation	<1	893	828	1,313
Couriers and messengers	<1	237	545	643
Warehousing and storage	<1	516	572	1,094
Newspaper publishers	<1	61	107	178
Periodical publishers	<1	26	42	90
Book publishers	<1	11	32	92



## Appendix

Directory, mailing list, and other publishers	<1	25	63	137
Greeting card publishing	0	0	0	0
Software publishers	<1	72	136	243
Motion picture and video industries	<1	52	73	276
Sound recording industries	<1	6	34	87
Radio and television broadcasting	<1	240	335	1,093
Cable and other subscription programming	<1	25	124	431
Wired telecommunications carriers	<1	156	352	787
Wireless telecommunications carriers (except satellite)	<1	43	341	951
Satellite, telecommunications resellers, and all other telecommunications	<1	44	57	173
Data processing, hosting, and related services	<1	571	1,291	3,404
News syndicates, libraries, archives and all other information services	<1	27	42	130
Internet publishing and broadcasting and web search portals	<1	38	98	762
Nondepository credit intermediation and related activities	<1	302	325	535
Securities and commodity contracts intermediation and brokerage	<1	470	311	1,099
Monetary authorities and depository credit intermediation	<1	1,649	5,623	8,773
Other financial investment activities	<1	158	194	774
Direct life insurance carriers	<1	59	135	206
Insurance carriers, except direct life	<1	546	1,973	4,463
Insurance agencies, brokerages, and related activities	<1	534	887	2,486
Funds, trusts, and other financial vehicles	<1	112	131	793
Other real estate	<1	3,175	8,152	20,240
Tenant-occupied housing	<1	166	1,368	1,507
Owner-occupied dwellings	0	0	6,495	7,838
Automotive equipment rental and leasing	<1	62	334	415

## Appendix

General and consumer goods rental except video tapes and discs	<1	86	198	293
Video tape and disc rental	<1	22	43	71
Commercial and industrial machinery and equipment rental and leasing	<1	127	544	676
Lessors of nonfinancial intangible assets	<1	9	381	404
Legal services	<1	2,033	3,381	5,375
Accounting, tax preparation, bookkeeping, and payroll services	<1	640	808	1,430
Architectural, engineering, and related services	<1	849	928	1,885
Specialized design services	<1	42	69	135
Custom computer programming services	<1	189	208	302
Computer systems design services	<1	273	264	357
Other computer related services, including facilities management	<1	271	357	785
Management consulting services	<1	3,092	3,177	5,564
Environmental and other technical consulting services	<1	398	440	749
Scientific research and development services	<1	58,310	76,783	167,639
Advertising, public relations, and related services	<1	790	1,236	2,964
Photographic services	<1	20	46	112
Veterinary services	<1	60	68	115
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	853	1,393	3,146
Management of companies and enterprises	<1	6,499	7,343	10,922
Office administrative services	<1	1,079	552	1,418
Facilities support services	<1	56	82	211
Employment services	<1	3,668	5,420	9,448
Business support services	<1	529	484	902
Travel arrangement and reservation services	<1	44	77	265
Investigation and security services	<1	243	252	388
Services to buildings	<1	456	700	1,539
Landscape and horticultural services	<1	219	288	583
Other support services	<1	88	117	264
Waste management and remediation services	<1	180	365	723

## Appendix

Elementary and secondary schools	<1	279	235	292
Junior colleges, colleges, universities, and professional schools	<1	217	279	416
Other educational services	<1	118	130	269
Offices of physicians	<1	2,157	2,165	3,249
Offices of dentists	<1	364	464	639
Offices of other health practitioners	<1	295	509	647
Outpatient care centers	<1	341	338	561
Medical and diagnostic laboratories	<1	121	227	300
Home health care services	<1	316	316	418
Other ambulatory health care services	<1	125	156	242
Hospitals	<1	2,958	3,547	7,027
Nursing and community care facilities	<1	434	490	831
Residential mental retardation, mental health, substance abuse and other facilities	<1	206	211	324
Individual and family services	<1	669	592	833
Child day care services	<1	206	328	439
Community food, housing, and other relief services, including rehabilitation services	<1	126	117	279
Performing arts companies	<1	28	41	110
Commercial Sports Except Racing	<1	35	21	61
Racing and Track Operation	<1	12	19	42
Independent artists, writers, and performers	<1	14	27	61
Promoters of performing arts and sports and agents for public figures	<1	67	118	390
Museums, historical sites, zoos, and parks	<1	21	24	44
Amusement parks and arcades	<1	10	16	21
Gambling industries (except casino hotels)	<1	54	181	260
Other amusement and recreation industries	<1	69	55	93
Fitness and recreational sports centers	<1	40	51	89
Bowling centers	<1	7	10	19
Hotels and motels, including casino hotels	<1	29	64	105
Other accommodations	<1	8	10	14

## Appendix

Full-service restaurants	<1	891	1,402	2,876
Limited-service restaurants	<1	685	1,129	2,803
All other food and drinking places	<1	686	998	1,642
Automotive repair and maintenance, except car washes	<1	600	784	1,121
Car washes	<1	288	443	651
Electronic and precision equipment repair and maintenance	<1	152	238	404
Commercial and industrial machinery and equipment repair and maintenance	<1	297	366	584
Personal and household goods repair and maintenance	<1	84	196	273
Personal care services	<1	154	143	171
Death care services	<1	36	36	48
Dry-cleaning and laundry services	<1	119	111	139
Other personal services	<1	155	202	297
Religious organizations	<1	471	380	973
Grantmaking, giving, and social advocacy organizations	<1	117	461	647
Business and professional associations	<1	124	236	405
Labor and civic organizations	<1	55	206	354
Private households	<1	69	69	69
Postal service	<1	371	373	373
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	17	-65	23
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2	3	5
Local government passenger transit	<1	20	3	10
Local government electric utilities	<1	28	79	186
Other local government enterprises	<1	377	744	2,017
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Investments in Climate Change Research and Technology

**Table 639: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>10</i>	<i>618,595</i>	<i>1,052,764</i>	<i>2,147,633</i>
Oilseed farming	<1	1,436	3,355	4,744
Grain farming	<1	845	1,138	4,642
Vegetable and melon farming	<1	63	99	186
Fruit farming	<1	25	37	53
Tree nut farming	<1	13	20	30
Greenhouse, nursery, and floriculture production	<1	26	44	102
Tobacco farming	0	0	0	0
Cotton farming	<1	146	234	550
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	110	166	378
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	344	570	1,476
Dairy cattle and milk production	<1	6	11	55
Poultry and egg production	<1	224	414	5,890
Animal production, except cattle and poultry and eggs	<1	1,406	3,249	3,627
Forestry, forest products, and timber tract production	<1	32	40	57

## Appendix

Commercial logging	<1	94	134	224
Commercial fishing	<1	-10	23	23
Commercial hunting and trapping	<1	<1	11	16
Support activities for agriculture and forestry	<1	815	874	960
Oil and gas extraction	<1	96	406	4,290
Coal mining	<1	4	11	23
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	35	80	177
Other metal ore mining	<1	17	33	81
Stone mining and quarrying	<1	82	252	501
Sand and gravel mining	<1	111	197	386
Other clay, ceramic, refractory minerals mining	<1	10	17	34
Potash, soda, and borate mineral mining	<1	2	3	7
Phosphate rock mining	<1	<1	2	3
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	9	18	44
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	5	10	25
Metal mining services	<1	2	11	126
Other nonmetallic minerals services	<1	<1	1	14
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	295	1,465	3,445
Electric power generation - Nuclear	<1	753	1,936	4,045
Electric power generation - Solar	<1	7	21	43
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,955	8,793	21,283

## Appendix

Natural gas distribution	<1	473	2,134	5,107
Water, sewage and other systems	<1	160	426	923
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,683	2,249	7,165
Maintenance and repair construction of residential structures	<1	572	780	2,274
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	114	318	1,218
Other animal food manufacturing	<1	82	162	1,254
Flour milling	<1	13	27	170
Rice milling	<1	16	31	218
Malt manufacturing	0	0	0	0
Wet corn milling	<1	203	462	3,613
Soybean and other oilseed processing	<1	5	40	473
Fats and oils refining and blending	<1	1	4	53
Breakfast cereal manufacturing	<1	10	25	113
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	1	9

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	<1
Frozen fruits, juices and vegetables manufacturing	<1	50	105	421
Frozen specialties manufacturing	<1	208	291	1,234
Canned fruits and vegetables manufacturing	<1	31	60	223
Canned specialties	<1	14	33	138
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	<1	7	16	104
Fluid milk manufacturing	<1	54	89	583
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	8	12	59
Frozen cakes and other pastries manufacturing	<1	34	54	107
Poultry processing	<1	1,288	1,618	8,029
Animal, except poultry, slaughtering	<1	29	39	299
Meat processed from carcasses	<1	135	140	1,214
Rendering and meat byproduct processing	<1	27	26	150
Seafood product preparation and packaging	<1	1	2	11
Bread and bakery product, except frozen, manufacturing	<1	245	366	857
Cookie and cracker manufacturing	<1	39	56	273
Dry pasta, mixes, and dough manufacturing	<1	23	55	189
Tortilla manufacturing	<1	37	51	170
Roasted nuts and peanut butter manufacturing	<1	54	178	486
Other snack food manufacturing	<1	92	259	849
Coffee and tea manufacturing	<1	3	7	46
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	12	24	129
Spice and extract manufacturing	<1	3	5	23
All other food manufacturing	<1	3	4	17
Bottled and canned soft drinks & water	<1	176	320	1,324
Manufactured ice	<1	10	7	39



## Appendix

Breweries	<1	31	85	274
Wineries	<1	26	49	171
Distilleries	<1	55	312	605
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	4	3	16
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	9	6	41
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	1
Fabric coating mills	<1	1	1	8
Carpet and rug mills	<1	3	3	24
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	4	4	14
Rope, cordage, twine, tire cord and tire fabric mills	<1	77	68	259
Other textile product mills	<1	7	6	20
Hosiery and sock mills	<1	6	5	15
Other apparel knitting mills	<1	6	5	14
Cut and sew apparel contractors	<1	1	2	4
Men's and boys' cut and sew apparel manufacturing	<1	<1	1	3
Women's and girls' cut and sew apparel manufacturing	<1	1	<1	6
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	7	6	20
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	9	8	42
Other leather and allied product manufacturing	<1	3	2	8
Sawmills	<1	188	504	1,442
Wood preservation	<1	13	66	194
Veneer and plywood manufacturing	<1	49	111	295
Engineered wood member and truss manufacturing	<1	15	37	102
Reconstituted wood product manufacturing	<1	38	210	562
Wood windows and door manufacturing	<1	162	297	821
Cut stock, resawing lumber, and planing	<1	26	85	211

## Appendix

Other millwork, including flooring	<1	62	152	386
Wood container and pallet manufacturing	<1	52	100	285
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	1	3	8
All other miscellaneous wood product manufacturing	<1	27	56	161
Pulp mills	<1	1	1	4
Paper mills	<1	178	407	1,211
Paperboard mills	<1	167	336	1,298
Paperboard container manufacturing	<1	225	340	1,703
Paper bag and coated and treated paper manufacturing	<1	118	185	799
Stationery product manufacturing	<1	<1	1	5
Sanitary paper product manufacturing	<1	226	624	2,443
All other converted paper product manufacturing	0	0	0	0
Printing	<1	709	1,060	2,417
Support activities for printing	<1	7	11	19
Petroleum refineries	<1	177	767	11,626
Asphalt paving mixture and block manufacturing	<1	21	25	133
Asphalt shingle and coating materials manufacturing	<1	14	29	148
Petroleum lubricating oil and grease manufacturing	<1	29	48	293
All other petroleum and coal products manufacturing	<1	25	47	262
Petrochemical manufacturing	<1	2	35	253
Industrial gas manufacturing	<1	3	10	51
Synthetic dye and pigment manufacturing	<1	<1	<1	2
Other basic inorganic chemical manufacturing	<1	36	76	253
Other basic organic chemical manufacturing	<1	94	214	1,512
Plastics material and resin manufacturing	<1	31	53	458
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	19	67	268

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	4	17
Pesticide and other agricultural chemical manufacturing	<1	19	65	298
Medicinal and botanical manufacturing	<1	2	3	11
Pharmaceutical preparation manufacturing	<1	15	38	132
In-vitro diagnostic substance manufacturing	<1	<1	<1	3
Biological product (except diagnostic) manufacturing	<1	0	<1	2
Paint and coating manufacturing	<1	6	11	54
Adhesive manufacturing	<1	3	4	20
Soap and other detergent manufacturing	<1	5	14	83
Polish and other sanitation good manufacturing	<1	6	10	48
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	46	130	375
Printing ink manufacturing	<1	2	3	14
Explosives manufacturing	<1	9	10	41
Custom compounding of purchased resins	<1	<1	1	6
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	19	30	120
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	65	132	499
Unlaminated plastics profile shape manufacturing	<1	8	24	65
Plastics pipe and pipe fitting manufacturing	<1	32	128	366
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	21	45	99
Polystyrene foam product manufacturing	<1	55	124	466
Urethane and other foam product (except polystyrene) manufacturing	<1	30	66	226
Plastics bottle manufacturing	<1	3	6	26
Other plastics product manufacturing	<1	173	313	1,077
Tire manufacturing	<1	224	313	1,129

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	48	93	290
Other rubber product manufacturing	<1	168	240	743
Pottery, ceramics, and plumbing fixture manufacturing	<1	10	15	36
Brick, tile, and other structural clay product manufacturing	<1	24	37	99
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	47	70	205
Glass container manufacturing	<1	10	14	43
Glass product manufacturing made of purchased glass	<1	8	13	41
Cement manufacturing	<1	17	32	87
Ready-mix concrete manufacturing	<1	164	241	970
Concrete block and brick manufacturing	<1	30	47	153
Concrete pipe manufacturing	<1	8	12	37
Other concrete product manufacturing	<1	48	66	187
Lime manufacturing	<1	7	14	49
Gypsum product manufacturing	<1	8	19	66
Abrasive product manufacturing	<1	11	21	55
Cut stone and stone product manufacturing	<1	16	20	60
Ground or treated mineral and earth manufacturing	<1	3	6	23
Mineral wool manufacturing	<1	<1	2	11
Miscellaneous nonmetallic mineral products manufacturing	<1	3	7	19
Iron and steel mills and ferroalloy manufacturing	<1	322	1,655	5,384
Iron, steel pipe and tube manufacturing from purchased steel	<1	27	123	396
Rolled steel shape manufacturing	<1	8	72	197
Steel wire drawing	<1	8	30	102
Alumina refining and primary aluminum production	<1	6	18	79
Secondary smelting and alloying of aluminum	<1	<1	3	24
Aluminum sheet, plate, and foil manufacturing	<1	26	104	335
Other aluminum rolling, drawing and extruding	<1	3	7	36
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	7	21	170
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	2	9
Ferrous metal foundries	<1	8	27	60
Nonferrous metal foundries	<1	34	70	180
Custom roll forming	<1	2	3	15
Crown and closure manufacturing and metal stamping	<1	12	18	62
Iron and steel forging	<1	10	16	61
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	6	19	47
Handtool manufacturing	<1	22	43	108
Prefabricated metal buildings and components manufacturing	<1	26	47	140
Fabricated structural metal manufacturing	<1	109	189	585
Plate work manufacturing	<1	64	77	281
Metal window and door manufacturing	<1	42	67	195
Sheet metal work manufacturing	<1	36	56	156
Ornamental and architectural metal work manufacturing	<1	12	17	56
Power boiler and heat exchanger manufacturing	<1	<1	<1	2
Metal tank (heavy gauge) manufacturing	<1	3	4	12
Metal cans manufacturing	<1	2	5	26
Metal barrels, drums and pails manufacturing	<1	3	4	21
Hardware manufacturing	<1	11	19	67
Spring and wire product manufacturing	<1	14	20	70
Machine shops	<1	3,359	4,338	10,659
Turned product and screw, nut, and bolt manufacturing	<1	10	14	45
Metal heat treating	<1	3	4	14
Metal coating and nonprecious engraving	<1	11	24	61
Electroplating, anodizing, and coloring metal	<1	5	6	15
Valve and fittings, other than plumbing, manufacturing	<1	25	44	149
Plumbing fixture fitting and trim manufacturing	<1	9	29	117

## Appendix

Ball and roller bearing manufacturing	<1	3	7	18
Small arms ammunition manufacturing	<1	156	450	1,084
Ammunition, except for small arms, manufacturing	<1	14	17	41
Small arms, ordnance, and accessories manufacturing	<1	44	120	317
Fabricated pipe and pipe fitting manufacturing	<1	10	14	45
Other fabricated metal manufacturing	<1	30	46	132
Farm machinery and equipment manufacturing	<1	13	30	119
Lawn and garden equipment manufacturing	<1	9	19	89
Construction machinery manufacturing	<1	5	15	50
Mining machinery and equipment manufacturing	<1	<1	<1	3
Oil and gas field machinery and equipment manufacturing	<1	2	3	8
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	1	2	6
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	1
Optical instrument and lens manufacturing	<1	1	2	7
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	3	5	17
Air purification and ventilation equipment manufacturing	<1	5	8	22
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	40	85	269
Industrial mold manufacturing	<1	8	11	29
Special tool, die, jig, and fixture manufacturing	<1	2	4	8

Appendix

Cutting tool and machine tool accessory manufacturing	<1	6	7	19
Machine tool manufacturing	<1	1	2	6
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	3	6	20
Other engine equipment manufacturing	<1	<1	3	19
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	<1	0	<1	<1
Elevator and moving stairway manufacturing	<1	0	0	<1
Conveyor and conveying equipment manufacturing	<1	6	7	23
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	0	<1
Industrial truck, trailer, and stacker manufacturing	<1	2	4	13
Power-driven handtool manufacturing	<1	<1	2	6
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	3	4	10
Fluid power pump and motor manufacturing	<1	<1	<1	3
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	2
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	<1	1	4

## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	<1	<1	4
Printed circuit assembly (electronic assembly) manufacturing	<1	4	6	36
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	1	2	11
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	<1	3
Electronic connector manufacturing	<1	46	62	154
Other electronic component manufacturing	<1	1	1	9
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	1	5
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	0	0	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	<1	<1	2
Lighting fixture manufacturing	<1	4	6	23
Small electrical appliance manufacturing	<1	<1	<1	3



## Appendix

Household cooking appliance manufacturing	<1	0	0	<1
Household refrigerator and home freezer manufacturing	<1	0	0	<1
Household laundry equipment manufacturing	<1	0	<1	2
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	1	1	4
Motor and generator manufacturing	<1	47	89	315
Switchgear and switchboard apparatus manufacturing	<1	<1	2	4
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	<1	8	13	44
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	4	7	31
Wiring device manufacturing	<1	35	71	220
Carbon and graphite product manufacturing	<1	16	24	97
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	<1	<1	1
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	0	0	2
Motor vehicle body manufacturing	<1	3	3	14
Truck trailer manufacturing	<1	2	2	9
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	79	80	541
Motor vehicle gasoline engine and engine parts manufacturing	<1	37	38	352
Motor vehicle electrical and electronic equipment manufacturing	<1	37	44	291
Motor vehicle transmission and power train parts manufacturing	<1	59	57	444
Motor vehicle seating and interior trim manufacturing	<1	3	3	27
Motor vehicle metal stamping	<1	77	75	395
Other motor vehicle parts manufacturing	<1	119	116	873

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	172	161	1,192
Aircraft manufacturing	<1	<1	2	4
Aircraft engine and engine parts manufacturing	<1	3	11	23
Other aircraft parts and auxiliary equipment manufacturing	<1	3	5	11
Guided missile and space vehicle manufacturing	<1	1	3	6
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	1
Railroad rolling stock manufacturing	<1	1	1	7
Ship building and repairing	<1	3	6	13
Boat building	<1	135	265	876
Motorcycle, bicycle, and parts manufacturing	<1	13	97	164
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	31	103	355
Wood kitchen cabinet and countertop manufacturing	<1	26	38	105
Upholstered household furniture manufacturing	<1	19	22	84
Nonupholstered wood household furniture manufacturing	<1	8	10	32
Other household nonupholstered furniture manufacturing	<1	1	3	10
Institutional furniture manufacturing	<1	3	4	14
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	<1	<1	3
Office furniture, except wood, manufacturing	<1	<1	1	5
Showcase, partition, shelving, and locker manufacturing	<1	5	8	23
Mattress manufacturing	<1	1	2	14
Blind and shade manufacturing	<1	<1	<1	1
Surgical and medical instrument manufacturing	<1	19	21	64
Surgical appliance and supplies manufacturing	<1	5	5	19

## Appendix

Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	1	1	10
Dental laboratories	<1	9	10	20
Jewelry and silverware manufacturing	<1	14	29	84
Sporting and athletic goods manufacturing	<1	13	15	76
Doll, toy, and game manufacturing	<1	2	2	9
Office supplies (except paper) manufacturing	<1	28	31	120
Sign manufacturing	<1	52	47	132
Gasket, packing, and sealing device manufacturing	<1	2	2	8
Musical instrument manufacturing	<1	<1	<1	2
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	2	2	10
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	12	14	58
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	484	1,286	2,683
Wholesale - Professional and commercial equipment and supplies	<1	1,263	2,267	4,147
Wholesale - Household appliances and electrical and electronic goods	<1	709	2,190	4,671
Wholesale - Machinery, equipment, and supplies	<1	1,162	2,611	4,875
Wholesale - Other durable goods merchant wholesalers	<1	1,215	2,637	5,410
Wholesale - Drugs and druggists'sundries	<1	1,098	3,379	7,028
Wholesale - Grocery and related product wholesalers	<1	1,662	2,856	4,962
Wholesale - Petroleum and petroleum products	<1	239	4,100	5,029
Wholesale - Other nondurable goods merchant wholesalers	<1	2,254	5,840	11,121
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,158	1,394	1,684
Retail - Motor vehicle and parts dealers	<1	2,064	3,087	4,394
Retail - Furniture and home furnishings stores	<1	764	1,134	1,998

Appendix

Retail - Electronics and appliance stores	<1	739	733	1,330
Retail - Building material and garden equipment and supplies stores	<1	985	2,175	3,189
Retail - Food and beverage stores	<1	2,289	3,507	5,983
Retail - Health and personal care stores	<1	1,845	2,462	3,739
Retail - Gasoline stores	<1	855	2,309	4,652
Retail - Clothing and clothing accessories stores	<1	854	1,708	3,902
Retail - Sporting goods, hobby, musical instrument and book stores	<1	748	1,052	1,818
Retail - General merchandise stores	<1	2,700	4,673	7,916
Retail - Miscellaneous store retailers	<1	1,537	1,778	3,408
Retail - Nonstore retailers	<1	1,424	9,091	15,071
Air transportation	<1	704	1,838	4,745
Rail transportation	<1	446	1,820	2,820
Water transportation	<1	80	149	891
Truck transportation	<1	5,953	9,144	18,918
Transit and ground passenger transportation	<1	302	414	716
Pipeline transportation	<1	623	965	2,086
Scenic and sightseeing transportation and support activities for transportation	<1	4,004	3,863	6,035
Couriers and messengers	<1	1,029	2,526	2,968
Warehousing and storage	<1	2,759	3,038	5,893
Newspaper publishers	<1	261	405	727
Periodical publishers	<1	86	115	282
Book publishers	<1	44	111	345
Directory, mailing list, and other publishers	<1	134	296	667
Greeting card publishing	0	0	0	0
Software publishers	<1	394	672	1,253
Motion picture and video industries	<1	254	360	1,421
Sound recording industries	<1	29	153	411
Radio and television broadcasting	<1	1,099	1,522	5,602
Cable and other subscription programming	<1	107	495	1,845
Wired telecommunications carriers	<1	894	1,891	4,368

## Appendix

Wireless telecommunications carriers (except satellite)	<1	253	1,671	5,108
Satellite, telecommunications resellers, and all other telecommunications	<1	241	329	956
Data processing, hosting, and related services	<1	2,896	6,581	17,747
News syndicates, libraries, archives and all other information services	<1	122	189	584
Internet publishing and broadcasting and web search portals	<1	176	461	3,572
Nondepository credit intermediation and related activities	<1	1,558	1,667	2,835
Securities and commodity contracts intermediation and brokerage	<1	2,231	1,547	6,187
Monetary authorities and depository credit intermediation	<1	9,720	28,120	47,291
Other financial investment activities	<1	695	851	3,859
Direct life insurance carriers	<1	362	791	1,273
Insurance carriers, except direct life	<1	2,902	10,111	24,406
Insurance agencies, brokerages, and related activities	<1	3,127	5,158	14,936
Funds, trusts, and other financial vehicles	<1	560	611	4,325
Other real estate	<1	14,409	37,294	96,724
Tenant-occupied housing	<1	933	7,273	8,093
Owner-occupied dwellings	0	0	35,282	42,808
Automotive equipment rental and leasing	<1	324	1,639	2,129
General and consumer goods rental except video tapes and discs	<1	458	1,057	1,594
Video tape and disc rental	<1	129	254	416
Commercial and industrial machinery and equipment rental and leasing	<1	598	2,484	3,157
Lessors of nonfinancial intangible assets	<1	51	1,902	2,031
Legal services	<1	10,603	16,822	27,343
Accounting, tax preparation, bookkeeping, and payroll services	<1	3,131	3,866	7,105
Architectural, engineering, and related services	<1	4,205	4,557	9,423
Specialized design services	<1	188	300	624

## Appendix

Custom computer programming services	<1	1,261	1,387	2,085
Computer systems design services	<1	1,276	1,231	1,704
Other computer related services, including facilities management	<1	1,143	1,516	3,376
Management consulting services	<1	14,027	14,367	26,135
Environmental and other technical consulting services	<1	1,756	1,919	3,376
Scientific research and development services	3	263,220	356,416	780,452
Advertising, public relations, and related services	<1	3,561	5,495	13,699
Photographic services	<1	107	231	609
Veterinary services	<1	325	359	627
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,304	5,332	12,413
Management of companies and enterprises	<1	29,837	33,586	51,612
Office administrative services	<1	4,123	1,933	5,580
Facilities support services	<1	294	416	1,156
Employment services	<1	17,194	24,724	46,789
Business support services	<1	2,903	2,601	5,213
Travel arrangement and reservation services	<1	213	365	1,326
Investigation and security services	<1	1,201	1,245	2,001
Services to buildings	<1	2,236	3,334	7,731
Landscape and horticultural services	<1	1,050	1,357	2,880
Other support services	<1	434	572	1,349
Waste management and remediation services	<1	940	1,924	3,843
Elementary and secondary schools	<1	1,233	1,045	1,319
Junior colleges, colleges, universities, and professional schools	<1	852	1,089	1,705
Other educational services	<1	573	628	1,332
Offices of physicians	<1	11,729	11,732	17,846
Offices of dentists	<1	1,982	2,476	3,470
Offices of other health practitioners	<1	1,710	2,830	3,664
Outpatient care centers	<1	1,876	1,851	3,033
Medical and diagnostic laboratories	<1	681	1,228	1,662
Home health care services	<1	1,633	1,622	2,164

## Appendix

Other ambulatory health care services	<1	683	838	1,321
Hospitals	<1	13,385	15,874	31,465
Nursing and community care facilities	<1	2,084	2,341	4,095
Residential mental retardation, mental health, substance abuse and other facilities	<1	864	882	1,394
Individual and family services	<1	3,146	2,766	4,018
Child day care services	<1	1,016	1,569	2,147
Community food, housing, and other relief services, including rehabilitation services	<1	543	501	1,239
Performing arts companies	<1	129	185	540
Commercial Sports Except Racing	<1	177	96	290
Racing and Track Operation	<1	56	90	214
Independent artists, writers, and performers	<1	64	122	284
Promoters of performing arts and sports and agents for public figures	<1	311	546	1,970
Museums, historical sites, zoos, and parks	<1	101	111	213
Amusement parks and arcades	<1	52	86	111
Gambling industries (except casino hotels)	<1	283	927	1,351
Other amusement and recreation industries	<1	353	281	488
Fitness and recreational sports centers	<1	191	240	439
Bowling centers	<1	38	55	100
Hotels and motels, including casino hotels	<1	152	341	568
Other accommodations	<1	40	50	69
Full-service restaurants	<1	4,702	7,473	15,586
Limited-service restaurants	<1	3,728	6,213	15,859
All other food and drinking places	<1	3,222	4,775	8,058
Automotive repair and maintenance, except car washes	<1	2,956	4,054	5,836
Car washes	<1	1,569	2,437	3,615
Electronic and precision equipment repair and maintenance	<1	765	1,199	2,110
Commercial and industrial machinery and equipment repair and maintenance	<1	1,573	1,985	3,274
Personal and household goods repair and maintenance	<1	404	1,057	1,457

## Appendix

Personal care services	<1	831	893	1,045
Death care services	<1	178	198	265
Dry-cleaning and laundry services	<1	597	644	792
Other personal services	<1	807	1,098	1,620
Religious organizations	<1	2,072	1,954	4,522
Grantmaking, giving, and social advocacy organizations	<1	485	2,229	3,059
Business and professional associations	<1	559	1,226	2,090
Labor and civic organizations	<1	237	1,054	1,728
Private households	<1	370	370	371
Postal service	<1	1,727	1,734	1,746
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	78	-301	107
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	11	21	39
Local government passenger transit	<1	90	24	66
Local government electric utilities	<1	170	558	1,290
Other local government enterprises	<1	2,186	5,747	13,408
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	60,803	177,732	325,246

## California

## NASA

Table 640: Detailed NASA Impacts by Types of Impact, California

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>66,208</i>	<i>6,948,667,910</i>	<i>10,985,044,398</i>	<i>18,593,591,317</i>
Oilseed farming	<1	320,054	1,848,215	2,167,283
Grain farming	24	2,107,073	7,071,665	13,270,538
Vegetable and melon farming	43	2,624,843	5,824,587	8,684,652
Fruit farming	64	3,439,810	7,420,013	8,807,141
Tree nut farming	11	684,360	1,526,724	1,887,215
Greenhouse, nursery, and floriculture production	41	1,890,922	3,696,512	5,257,582
Tobacco farming	0	0	0	0
Cotton farming	2	124,539	226,369	282,175
Sugarcane and sugar beet farming	5	331,482	624,750	911,569
All other crop farming	61	1,403,068	2,616,939	3,822,136
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	65	3,176,079	12,413,281	24,733,270
Dairy cattle and milk production	40	2,731,355	7,064,590	26,948,478
Poultry and egg production	17	1,015,314	2,112,358	15,298,114
Animal production, except cattle and poultry and eggs	20	1,556,981	5,279,144	5,982,168
Forestry, forest products, and timber tract production	4	426,959	502,341	607,550
Commercial logging	9	860,806	1,498,120	1,870,890
Commercial fishing	12	636,260	506,997	511,808
Commercial hunting and trapping	<1	64,066	344,557	362,158
Support activities for agriculture and forestry	165	9,213,394	9,673,030	10,501,722
Oil and gas extraction	41	3,806,489	27,996,142	62,139,642
Coal mining	<1	6,272	19,489	27,502
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	1	238,891	517,127	865,109
Gold ore mining	4	672,226	1,717,150	2,890,213
Silver ore mining	<1	145,853	273,963	466,080
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	142,034	332,471	550,686
Stone mining and quarrying	3	316,080	1,600,673	2,281,316
Sand and gravel mining	4	543,243	1,101,500	1,647,139

## Appendix

Other clay, ceramic, refractory minerals mining	<1	51,277	119,459	193,479
Potash, soda, and borate mineral mining	<1	71,771	115,259	182,631
Phosphate rock mining	<1	33,869	72,477	112,516
Other chemical and fertilizer mineral mining	<1	65,075	108,328	173,612
Other nonmetallic minerals	2	190,765	382,044	591,241
Drilling oil and gas wells	<1	1,683	5,388	10,558
Support activities for oil and gas operations	<1	20,438	40,325	81,700
Metal mining services	2	92,150	678,415	1,952,360
Other nonmetallic minerals services	<1	1,795	12,440	34,166
Electric power generation - Hydroelectric	5	1,464,840	3,168,689	5,173,110
Electric power generation - Fossil fuel	13	3,129,685	10,677,722	22,392,163
Electric power generation - Nuclear	2	656,112	1,247,345	2,195,906
Electric power generation - Solar	3	760,168	1,698,436	2,871,718
Electric power generation - Wind	1	388,041	2,613,687	4,254,610
Electric power generation - Geothermal	1	324,706	700,436	1,182,745
Electric power generation - Biomass	1	247,054	673,959	1,532,554
Electric power generation - All other	1	328,188	11,855	154,638
Electric power transmission and distribution	31	7,672,842	21,820,844	47,972,904
Natural gas distribution	38	10,623,147	33,211,088	58,187,960
Water, sewage and other systems	21	3,648,225	6,848,404	10,642,082
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	6,316	6,327	11,712
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	296	22,963,133	36,441,422	81,082,477
Maintenance and repair construction of residential structures	93	7,049,776	10,684,716	22,410,899
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9,891	15,672	34,222
Dog and cat food manufacturing	15	1,458,348	3,731,997	14,441,079
Other animal food manufacturing	18	1,598,349	3,429,981	23,609,244
Flour milling	5	393,493	787,356	5,495,863
Rice milling	3	192,554	328,700	2,089,183
Malt manufacturing	<1	25,443	42,817	412,797
Wet corn milling	1	230,396	488,768	2,437,455
Soybean and other oilseed processing	5	485,688	2,785,006	30,501,170
Fats and oils refining and blending	4	353,221	882,690	9,019,158
Breakfast cereal manufacturing	4	351,850	786,378	3,242,942
Beet sugar manufacturing	3	278,012	493,930	2,109,025
Sugar cane mills and refining	3	273,288	679,306	2,976,983
Nonchocolate confectionery manufacturing	12	1,026,228	1,419,288	5,738,160
Chocolate and confectionery manufacturing from cacao beans	8	689,925	1,006,624	4,216,759
Confectionery manufacturing from purchased chocolate	13	742,170	1,046,855	4,936,381
Frozen fruits, juices and vegetables manufacturing	14	1,172,084	2,250,768	8,351,267
Frozen specialties manufacturing	32	2,287,632	3,012,022	12,199,464
Canned fruits and vegetables manufacturing	32	2,437,472	4,360,609	18,017,228
Canned specialties	3	287,874	601,427	2,666,091
Dehydrated food products manufacturing	8	632,129	1,082,509	4,314,365
Cheese manufacturing	41	3,189,247	4,486,429	41,218,954
Dry, condensed, and evaporated dairy product manufacturing	5	518,772	1,119,754	6,185,168
Fluid milk manufacturing	18	1,686,593	2,592,128	14,037,397
Creamery butter manufacturing	2	153,675	472,045	2,693,030
Ice cream and frozen dessert manufacturing	7	529,277	734,244	3,137,759

## Appendix

Frozen cakes and other pastries manufacturing	64	3,175,479	5,013,266	8,263,826
Poultry processing	59	3,063,785	3,856,819	21,102,693
Animal, except poultry, slaughtering	37	2,690,114	3,489,607	27,236,316
Meat processed from carcasses	49	3,565,339	3,690,534	27,426,971
Rendering and meat byproduct processing	5	451,402	528,876	2,698,659
Seafood product preparation and packaging	7	605,423	802,558	3,809,235
Bread and bakery product, except frozen, manufacturing	145	7,368,107	10,885,429	25,544,574
Cookie and cracker manufacturing	14	932,332	1,301,081	4,920,065
Dry pasta, mixes, and dough manufacturing	11	769,452	1,617,851	6,459,134
Tortilla manufacturing	9	571,911	745,160	2,572,666
Roasted nuts and peanut butter manufacturing	13	1,118,293	2,805,398	8,394,532
Other snack food manufacturing	23	1,914,500	4,035,289	14,364,136
Coffee and tea manufacturing	9	661,871	1,153,373	6,115,040
Flavoring syrup and concentrate manufacturing	7	792,876	5,033,846	12,378,282
Mayonnaise, dressing, and sauce manufacturing	9	780,605	1,376,744	5,860,124
Spice and extract manufacturing	11	1,052,999	1,637,041	6,815,969
All other food manufacturing	55	3,729,821	5,155,419	24,081,861
Bottled and canned soft drinks & water	30	2,695,172	4,527,218	19,689,592
Manufactured ice	2	139,722	90,682	362,287
Breweries	41	2,587,953	5,762,876	14,641,920
Wineries	48	4,206,949	7,097,951	19,343,461
Distilleries	8	645,401	4,033,762	7,706,316
Tobacco product manufacturing	<1	76,654	2,888,031	4,034,521
Fiber, yarn, and thread mills	6	362,072	470,810	2,259,393
Broadwoven fabric mills	5	372,099	506,324	1,541,983
Narrow fabric mills and schiffli machine embroidery	<1	71,491	79,109	224,622
Nonwoven fabric mills	1	73,490	111,529	544,047
Knit fabric mills	2	115,734	148,227	515,205
Textile and fabric finishing mills	18	1,217,166	1,556,364	6,257,938
Fabric coating mills	1	149,499	181,027	625,130
Carpet and rug mills	8	514,063	741,928	2,767,135
Curtain and linen mills	7	409,049	506,011	1,560,074
Textile bag and canvas mills	10	665,663	855,096	2,385,859
Rope, cordage, twine, tire cord and tire fabric mills	<1	64,378	93,255	263,232

## Appendix

Other textile product mills	12	694,345	816,576	2,200,140
Hosiery and sock mills	5	264,235	340,747	646,946
Other apparel knitting mills	3	144,678	204,225	389,562
Cut and sew apparel contractors	23	1,100,832	1,215,698	2,215,103
Men's and boys' cut and sew apparel manufacturing	22	1,319,497	1,537,150	3,141,787
Women's and girls' cut and sew apparel manufacturing	19	1,223,629	1,727,765	4,771,029
Other cut and sew apparel manufacturing	13	682,227	868,912	2,000,667
Apparel accessories and other apparel manufacturing	11	626,633	824,474	1,776,182
Leather and hide tanning and finishing	<1	29,134	45,513	162,804
Footwear manufacturing	6	434,059	468,051	1,027,615
Other leather and allied product manufacturing	6	334,133	376,246	993,410
Sawmills	13	1,149,743	2,395,901	7,367,100
Wood preservation	2	131,192	472,044	1,698,484
Veneer and plywood manufacturing	1	104,912	193,416	596,270
Engineered wood member and truss manufacturing	5	380,454	741,623	2,253,736
Reconstituted wood product manufacturing	<1	49,416	196,089	609,179
Wood windows and door manufacturing	14	1,112,137	1,688,078	4,571,602
Cut stock, resawing lumber, and planing	2	150,844	357,905	965,960
Other millwork, including flooring	7	546,889	1,029,267	2,603,544
Wood container and pallet manufacturing	13	856,851	1,316,717	3,572,049
Manufactured home (mobile home) manufacturing	<1	1,052	1,692	4,798
Prefabricated wood building manufacturing	<1	77,732	158,639	399,237
All other miscellaneous wood product manufacturing	4	244,380	387,266	1,123,418
Pulp mills	0	0	0	0
Paper mills	5	467,244	1,076,804	4,264,728
Paperboard mills	4	504,529	1,107,614	3,994,170
Paperboard container manufacturing	57	5,484,660	8,689,136	34,243,264
Paper bag and coated and treated paper manufacturing	14	1,377,453	2,223,923	7,251,701
Stationery product manufacturing	2	177,592	232,495	844,390

## Appendix

Sanitary paper product manufacturing	5	562,183	1,794,137	5,085,326
All other converted paper product manufacturing	4	349,239	617,741	1,948,146
Printing	125	8,752,788	12,574,000	25,221,106
Support activities for printing	10	715,265	999,389	1,575,295
Petroleum refineries	28	9,153,945	82,682,093	373,831,828
Asphalt paving mixture and block manufacturing	<1	62,722	94,707	350,954
Asphalt shingle and coating materials manufacturing	<1	127,188	503,432	1,232,385
Petroleum lubricating oil and grease manufacturing	5	844,969	2,327,664	6,189,178
All other petroleum and coal products manufacturing	<1	29,339	96,341	328,563
Petrochemical manufacturing	1	143,093	3,866,213	9,960,698
Industrial gas manufacturing	8	1,266,710	6,282,651	12,908,253
Synthetic dye and pigment manufacturing	3	210,471	690,525	1,937,790
Other basic inorganic chemical manufacturing	5	711,094	2,719,054	6,019,902
Other basic organic chemical manufacturing	9	1,070,031	4,459,440	19,069,353
Plastics material and resin manufacturing	9	1,024,495	2,926,438	15,437,314
Synthetic rubber manufacturing	<1	46,111	94,113	453,299
Artificial and synthetic fibers and filaments manufacturing	<1	92,096	163,749	636,930
Nitrogenous fertilizer manufacturing	2	273,134	1,819,084	4,924,207
Phosphatic fertilizer manufacturing	<1	81,486	396,478	1,054,666
Fertilizer mixing	2	152,545	508,586	1,261,018
Pesticide and other agricultural chemical manufacturing	2	306,353	1,985,134	4,698,451
Medicinal and botanical manufacturing	21	3,809,283	9,455,626	17,922,261
Pharmaceutical preparation manufacturing	103	20,767,646	95,468,950	162,791,925
In-vitro diagnostic substance manufacturing	9	1,576,159	3,392,604	6,122,179
Biological product (except diagnostic) manufacturing	10	1,476,674	7,729,791	12,466,611
Paint and coating manufacturing	12	1,177,544	4,013,941	11,753,641
Adhesive manufacturing	7	898,779	2,230,036	6,079,630
Soap and other detergent manufacturing	12	1,624,482	7,994,156	17,588,752
Polish and other sanitation good manufacturing	12	1,403,469	3,657,978	7,877,745

## Appendix

Surface active agent manufacturing	<1	47,298	358,035	712,588
Toilet preparation manufacturing	29	2,797,537	15,132,639	30,048,428
Printing ink manufacturing	3	343,893	432,230	1,732,641
Explosives manufacturing	<1	88,186	117,032	391,825
Custom compounding of purchased resins	8	652,493	1,921,041	5,776,963
Photographic film and chemical manufacturing	2	267,529	937,437	2,302,090
Other miscellaneous chemical product manufacturing	13	1,554,593	3,792,042	11,243,888
Plastics packaging materials and unlaminated film and sheet manufacturing	28	2,397,761	3,620,599	14,412,655
Unlaminated plastics profile shape manufacturing	11	983,100	1,961,566	6,244,900
Plastics pipe and pipe fitting manufacturing	11	947,193	2,374,406	8,423,545
Laminated plastics plate, sheet (except packaging), and shape manufacturing	5	369,444	573,055	1,759,060
Polystyrene foam product manufacturing	9	693,937	1,144,772	4,446,088
Urethane and other foam product (except polystyrene) manufacturing	14	1,101,993	1,745,631	6,906,172
Plastics bottle manufacturing	19	1,638,553	2,400,607	9,551,299
Other plastics product manufacturing	109	8,898,226	12,524,765	39,306,363
Tire manufacturing	5	447,057	560,230	2,132,542
Rubber and plastics hoses and belting manufacturing	3	167,448	250,877	881,920
Other rubber product manufacturing	31	2,261,352	2,780,277	9,918,178
Pottery, ceramics, and plumbing fixture manufacturing	2	187,332	289,249	632,536
Brick, tile, and other structural clay product manufacturing	2	179,827	294,672	699,909
Flat glass manufacturing	3	274,899	518,905	1,238,094
Other pressed and blown glass and glassware manufacturing	7	617,751	994,309	2,323,689
Glass container manufacturing	6	630,760	986,125	2,400,297
Glass product manufacturing made of purchased glass	16	1,340,811	2,324,234	5,546,131
Cement manufacturing	2	251,649	548,954	1,457,396
Ready-mix concrete manufacturing	10	985,901	1,561,361	4,782,849
Concrete block and brick manufacturing	3	255,946	444,110	1,102,965
Concrete pipe manufacturing	<1	66,591	107,988	270,293



## Appendix

Other concrete product manufacturing	6	488,578	706,298	1,691,267
Lime manufacturing	<1	22,159	45,300	129,132
Gypsum product manufacturing	5	519,520	1,393,295	3,778,611
Abrasive product manufacturing	1	111,050	228,776	432,750
Cut stone and stone product manufacturing	3	248,108	316,581	694,007
Ground or treated mineral and earth manufacturing	1	125,361	273,630	685,123
Mineral wool manufacturing	2	161,483	404,361	927,917
Miscellaneous nonmetallic mineral products manufacturing	1	139,588	306,683	653,321
Iron and steel mills and ferroalloy manufacturing	16	2,206,773	5,854,419	31,892,684
Iron, steel pipe and tube manufacturing from purchased steel	7	859,637	1,964,211	6,791,363
Rolled steel shape manufacturing	3	225,986	804,075	3,458,306
Steel wire drawing	3	263,593	547,870	2,118,225
Alumina refining and primary aluminum production	3	383,896	663,897	2,744,100
Secondary smelting and alloying of aluminum	2	201,821	425,255	3,426,479
Aluminum sheet, plate, and foil manufacturing	4	380,721	862,661	4,458,051
Other aluminum rolling, drawing and extruding	9	781,871	1,180,417	5,327,351
Nonferrous metal (exc aluminum) smelting and refining	<1	12,730	84,828	282,871
Copper rolling, drawing, extruding and alloying	2	171,074	371,043	3,247,286
Nonferrous metal, except copper and aluminum, shaping	5	491,662	617,357	2,521,311
Secondary processing of other nonferrous metals	<1	66,860	143,924	622,291
Ferrous metal foundries	16	1,400,647	2,325,930	5,646,368
Nonferrous metal foundries	15	1,170,848	1,606,284	4,174,857
Custom roll forming	2	198,025	275,607	1,361,426
Crown and closure manufacturing and metal stamping	16	1,272,562	1,618,554	4,921,860
Iron and steel forging	9	802,158	1,067,539	3,778,728
Nonferrous forging	5	427,301	534,401	1,809,028
Cutlery, utensil, pot, and pan manufacturing	3	371,486	738,918	1,971,159
Handtool manufacturing	8	563,119	871,485	2,354,028
Prefabricated metal buildings and components manufacturing	3	259,487	373,305	1,221,275

## Appendix

Fabricated structural metal manufacturing	26	2,279,830	3,306,579	11,700,247
Plate work manufacturing	14	1,192,318	1,346,607	4,108,489
Metal window and door manufacturing	13	1,009,297	1,365,354	3,996,057
Sheet metal work manufacturing	24	1,902,974	2,518,798	7,366,987
Ornamental and architectural metal work manufacturing	11	917,691	1,095,731	2,865,673
Power boiler and heat exchanger manufacturing	<1	24,573	32,986	93,668
Metal tank (heavy gauge) manufacturing	2	164,298	198,474	610,123
Metal cans manufacturing	8	824,197	1,467,512	7,434,875
Metal barrels, drums and pails manufacturing	3	249,757	319,817	1,314,579
Hardware manufacturing	7	684,111	975,196	3,047,949
Spring and wire product manufacturing	17	1,330,031	1,704,241	5,435,508
Machine shops	139	11,067,532	12,893,683	27,508,377
Turned product and screw, nut, and bolt manufacturing	23	2,035,415	2,546,823	6,912,070
Metal heat treating	9	788,065	1,008,291	2,556,842
Metal coating and nonprecious engraving	24	1,680,944	2,800,192	8,626,224
Electroplating, anodizing, and coloring metal	29	2,075,087	2,250,297	5,095,751
Valve and fittings, other than plumbing, manufacturing	22	2,263,673	3,281,330	9,312,604
Plumbing fixture fitting and trim manufacturing	5	400,134	873,084	3,389,164
Ball and roller bearing manufacturing	7	577,478	891,728	2,462,281
Small arms ammunition manufacturing	<1	10,902	23,437	64,848
Ammunition, except for small arms, manufacturing	<1	16,755	18,756	39,927
Small arms, ordnance, and accessories manufacturing	4	431,915	838,872	2,134,022
Fabricated pipe and pipe fitting manufacturing	2	191,787	235,789	673,878
Other fabricated metal manufacturing	20	1,777,132	2,289,829	6,267,809
Farm machinery and equipment manufacturing	1	107,364	226,404	848,617
Lawn and garden equipment manufacturing	<1	6,713	11,882	60,160
Construction machinery manufacturing	<1	10,427	27,730	77,782
Mining machinery and equipment manufacturing	<1	1,284	1,994	4,924

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	10,949	14,833	46,805
Semiconductor machinery manufacturing	<1	234,705	301,968	623,454
Food product machinery manufacturing	<1	13,858	16,532	50,377
Sawmill, woodworking, and paper machinery	<1	14,865	17,494	50,636
Printing machinery and equipment manufacturing	<1	14,393	16,430	49,963
All other industrial machinery manufacturing	<1	80,787	109,651	282,912
Optical instrument and lens manufacturing	40	4,938,367	7,994,157	17,221,095
Photographic and photocopying equipment manufacturing	<1	27,334	35,153	92,465
Other commercial service industry machinery manufacturing	3	359,412	637,999	1,606,998
Air purification and ventilation equipment manufacturing	2	142,849	198,515	529,461
Heating equipment (except warm air furnaces) manufacturing	5	400,613	688,803	1,717,672
Air conditioning, refrigeration, and warm air heating equipment manufacturing	5	479,814	908,902	2,571,389
Industrial mold manufacturing	<1	82,161	104,087	221,135
Special tool, die, jig, and fixture manufacturing	<1	82,958	117,149	219,834
Cutting tool and machine tool accessory manufacturing	1	102,027	123,830	295,147
Machine tool manufacturing	<1	74,408	101,565	280,994
Rolling mill and other metalworking machinery manufacturing	<1	24,536	36,726	97,326
Turbine and turbine generator set units manufacturing	<1	63,262	71,218	193,370
Speed changer, industrial high-speed drive, and gear manufacturing	<1	105,662	161,739	365,884
Mechanical power transmission equipment manufacturing	2	151,718	235,858	580,209
Other engine equipment manufacturing	<1	40,795	98,337	373,173
Pump and pumping equipment manufacturing	<1	64,730	122,337	338,089
Air and gas compressor manufacturing	<1	41,605	62,479	179,382
Elevator and moving stairway manufacturing	0	-31,327	-42,918	-134,298

## Appendix

Conveyor and conveying equipment manufacturing	<1	18,734	21,990	63,884
Overhead cranes, hoists, and monorail systems manufacturing	<1	81,443	156,338	536,912
Industrial truck, trailer, and stacker manufacturing	<1	28,505	52,516	184,770
Power-driven handtool manufacturing	<1	30,058	96,847	249,254
Welding and soldering equipment manufacturing	<1	45,919	75,690	201,197
Packaging machinery manufacturing	2	155,759	250,315	634,926
Industrial process furnace and oven manufacturing	<1	11,894	15,243	35,970
Fluid power cylinder and actuator manufacturing	<1	65,860	100,276	264,977
Fluid power pump and motor manufacturing	3	331,038	594,787	1,577,084
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	60,351	78,009	201,500
Electronic computer manufacturing	15	6,708,258	10,085,045	19,665,195
Computer storage device manufacturing	2	417,866	709,658	2,141,552
Computer terminals and other computer peripheral equipment manufacturing	6	1,365,865	2,165,947	4,600,849
Telephone apparatus manufacturing	<1	106,028	197,811	470,035
Broadcast and wireless communications equipment manufacturing	5	765,057	1,086,408	2,504,397
Other communications equipment manufacturing	3	321,874	591,144	1,664,497
Audio and video equipment manufacturing	5	952,787	1,805,081	5,419,381
Printed circuit assembly (electronic assembly) manufacturing	31	2,670,295	4,791,385	16,726,711
Bare printed circuit board manufacturing	13	1,085,459	1,436,824	3,859,395
Semiconductor and related device manufacturing	114	32,979,182	58,501,260	124,600,721
Capacitor, resistor, coil, transformer, and other inductor manufacturing	6	616,610	838,858	2,058,976
Electronic connector manufacturing	44	4,679,405	6,884,356	18,670,486
Other electronic component manufacturing	34	3,563,744	4,707,806	11,520,554

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	2	374,496	660,651	1,462,647
Search, detection, and navigation instruments manufacturing	12	1,775,332	3,425,061	7,311,050
Automatic environmental control manufacturing	5	621,031	884,999	1,812,996
Industrial process variable instruments manufacturing	2	256,070	406,411	963,841
Totalizing fluid meter and counting device manufacturing	<1	82,847	191,069	410,809
Electricity and signal testing instruments manufacturing	7	1,054,555	1,364,837	3,177,342
Analytical laboratory instrument manufacturing	16	2,695,644	4,675,760	9,263,491
Irradiation apparatus manufacturing	<1	21,009	43,575	124,773
Watch, clock, and other measuring and controlling device manufacturing	9	1,748,094	2,643,567	5,272,008
Blank magnetic and optical recording media manufacturing	1	256,677	1,013,875	2,871,161
Software and other prerecorded and record reproducing	3	540,638	822,460	1,670,496
Electric lamp bulb and part manufacturing	3	288,619	380,401	1,070,393
Lighting fixture manufacturing	13	1,406,966	1,657,136	5,488,784
Small electrical appliance manufacturing	3	303,236	467,293	1,565,565
Household cooking appliance manufacturing	1	83,123	131,449	542,288
Household refrigerator and home freezer manufacturing	<1	101,523	153,199	580,881
Household laundry equipment manufacturing	3	316,630	415,182	1,774,829
Other major household appliance manufacturing	<1	39,580	63,866	227,302
Power, distribution, and specialty transformer manufacturing	<1	59,197	70,208	185,440
Motor and generator manufacturing	2	287,335	396,327	1,165,668
Switchgear and switchboard apparatus manufacturing	2	254,787	345,846	1,063,770
Relay and industrial control manufacturing	4	495,184	581,056	1,531,304
Storage battery manufacturing	12	1,355,036	1,748,255	5,274,185
Primary battery manufacturing	3	285,008	197,759	992,236
Fiber optic cable manufacturing	6	816,897	1,026,686	3,834,626

## Appendix

Other communication and energy wire manufacturing	2	195,368	262,185	1,418,849
Wiring device manufacturing	10	1,033,210	1,506,008	4,443,722
Carbon and graphite product manufacturing	8	858,809	1,106,342	3,629,497
All other miscellaneous electrical equipment and component manufacturing	13	1,881,977	2,059,590	5,061,632
Automobile manufacturing	30	4,513,157	7,918,922	41,977,413
Light truck and utility vehicle manufacturing	7	827,060	1,457,103	11,052,398
Heavy duty truck manufacturing	<1	22,438	32,684	158,801
Motor vehicle body manufacturing	1	93,567	106,836	440,104
Truck trailer manufacturing	<1	5,028	5,464	21,968
Motor home manufacturing	<1	59,092	79,851	391,386
Travel trailer and camper manufacturing	9	677,055	740,236	3,964,879
Motor vehicle gasoline engine and engine parts manufacturing	10	922,912	1,148,684	6,609,933
Motor vehicle electrical and electronic equipment manufacturing	10	1,187,605	1,365,881	5,564,274
Motor vehicle transmission and power train parts manufacturing	8	757,361	887,238	4,890,158
Motor vehicle seating and interior trim manufacturing	5	380,841	409,234	2,391,143
Motor vehicle metal stamping	5	425,297	470,379	2,105,297
Other motor vehicle parts manufacturing	25	1,944,173	2,208,982	12,382,131
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	6	466,108	554,800	3,138,638
Aircraft manufacturing	300	44,047,410	81,750,498	176,910,395
Aircraft engine and engine parts manufacturing	55	7,453,433	17,656,135	34,111,282
Other aircraft parts and auxiliary equipment manufacturing	116	12,806,146	18,438,260	35,933,415
Guided missile and space vehicle manufacturing	115	21,768,325	34,547,154	65,593,624
Propulsion units and parts for space vehicles and guided missiles manufacturing	58	7,602,705	10,852,132	19,823,061
Railroad rolling stock manufacturing	<1	86,650	96,442	365,661
Ship building and repairing	3	354,660	523,304	1,077,473
Boat building	4	346,397	515,678	1,477,001
Motorcycle, bicycle, and parts manufacturing	4	378,894	1,245,023	2,830,792

## Appendix

Military armored vehicle, tank, and tank component manufacturing	15	1,899,462	3,993,287	9,034,141
All other transportation equipment manufacturing	3	240,849	499,639	1,858,168
Wood kitchen cabinet and countertop manufacturing	32	2,125,252	2,473,663	6,041,681
Upholstered household furniture manufacturing	26	1,487,021	1,597,220	5,421,241
Nonupholstered wood household furniture manufacturing	9	567,014	617,646	1,686,842
Other household nonupholstered furniture manufacturing	4	298,192	414,168	1,719,654
Institutional furniture manufacturing	1	92,369	95,734	273,750
Wood office furniture manufacturing	<1	7,791	9,039	27,316
Custom architectural woodwork and millwork	<1	42,733	40,778	102,102
Office furniture, except wood, manufacturing	7	590,568	852,205	2,994,643
Showcase, partition, shelving, and locker manufacturing	2	195,024	233,000	674,607
Mattress manufacturing	7	532,469	768,439	3,313,087
Blind and shade manufacturing	2	138,636	139,436	484,272
Surgical and medical instrument manufacturing	7	1,006,259	1,494,345	2,739,154
Surgical appliance and supplies manufacturing	17	2,075,560	3,762,646	7,838,897
Dental equipment and supplies manufacturing	2	176,079	274,036	598,905
Ophthalmic goods manufacturing	9	889,756	1,584,357	3,046,408
Dental laboratories	26	1,966,957	2,208,457	3,968,097
Jewelry and silverware manufacturing	14	927,257	1,624,832	4,040,131
Sporting and athletic goods manufacturing	15	1,425,412	2,002,147	5,579,024
Doll, toy, and game manufacturing	7	1,126,676	1,968,747	4,376,305
Office supplies (except paper) manufacturing	4	396,423	582,865	1,502,959
Sign manufacturing	2	205,141	192,656	444,057
Gasket, packing, and sealing device manufacturing	4	371,447	417,331	928,909
Musical instrument manufacturing	2	155,699	170,769	383,068
Fasteners, buttons, needles, and pins manufacturing	<1	78,649	89,004	192,796

## Appendix

Broom, brush, and mop manufacturing	2	139,171	188,549	526,030
Burial casket manufacturing	<1	9,715	14,199	33,877
All other miscellaneous manufacturing	12	1,225,898	1,630,012	3,911,651
Wholesale - Motor vehicle and motor vehicle parts and supplies	59	5,488,774	12,242,284	26,546,456
Wholesale - Professional and commercial equipment and supplies	146	24,900,330	40,715,933	63,696,280
Wholesale - Household appliances and electrical and electronic goods	80	10,761,921	25,809,109	52,390,264
Wholesale - Machinery, equipment, and supplies	98	10,592,072	20,425,283	36,008,208
Wholesale - Other durable goods merchant wholesalers	213	21,035,687	40,142,258	79,373,847
Wholesale - Drugs and druggists'sundries	76	12,909,884	31,732,883	68,292,072
Wholesale - Grocery and related product wholesalers	190	17,205,048	25,686,536	50,715,886
Wholesale - Petroleum and petroleum products	26	3,007,260	69,595,284	78,680,473
Wholesale - Other nondurable goods merchant wholesalers	252	24,285,800	65,059,323	113,381,643
Wholesale - Wholesale electronic markets and agents and brokers	99	13,291,947	15,035,490	17,711,907
Retail - Motor vehicle and parts dealers	184	16,506,059	26,614,013	34,907,887
Retail - Furniture and home furnishings stores	137	8,692,027	13,006,512	19,669,741
Retail - Electronics and appliance stores	125	8,949,075	9,875,377	14,792,627
Retail - Building material and garden equipment and supplies stores	163	9,373,645	22,219,179	29,257,748
Retail - Food and beverage stores	571	28,847,573	45,152,793	65,735,558
Retail - Health and personal care stores	275	15,949,526	22,379,238	31,555,965
Retail - Gasoline stores	191	16,409,347	30,854,313	46,704,572
Retail - Clothing and clothing accessories stores	273	12,867,187	24,608,972	42,012,048
Retail - Sporting goods, hobby, musical instrument and book stores	177	8,145,781	11,523,096	16,908,530
Retail - General merchandise stores	473	23,084,412	42,712,585	62,202,292
Retail - Miscellaneous store retailers	394	17,703,776	20,409,483	29,303,991
Retail - Nonstore retailers	486	11,734,142	83,894,123	127,196,848
Air transportation	526	71,837,921	162,873,559	299,426,822



## Appendix

Rail transportation	142	19,401,312	47,977,988	91,888,744
Water transportation	68	10,928,379	23,690,663	63,874,376
Truck transportation	2,291	191,271,966	274,324,025	552,701,190
Transit and ground passenger transportation	465	17,895,702	27,405,688	34,088,326
Pipeline transportation	48	35,368,041	49,975,417	69,790,004
Scenic and sightseeing transportation and support activities for transportation	572	64,499,917	54,318,017	77,044,972
Couriers and messengers	842	23,974,868	50,390,815	60,442,574
Warehousing and storage	503	32,110,538	34,991,501	60,403,105
Newspaper publishers	12	1,298,662	2,508,356	3,265,635
Periodical publishers	10	1,482,568	2,408,326	3,617,758
Book publishers	11	1,525,466	5,028,508	8,397,106
Directory, mailing list, and other publishers	4	594,570	1,769,707	2,557,787
Greeting card publishing	<1	29,167	126,098	190,694
Software publishers	214	61,808,264	139,490,630	160,737,607
Motion picture and video industries	118	17,714,591	31,327,898	49,085,420
Sound recording industries	7	1,116,841	9,040,944	11,313,826
Radio and television broadcasting	67	40,831,337	47,413,275	69,351,096
Cable and other subscription programming	30	19,286,312	59,288,410	100,256,579
Wired telecommunications carriers	86	11,673,476	18,326,767	37,247,793
Wireless telecommunications carriers (except satellite)	25	3,342,750	16,102,519	49,421,370
Satellite, telecommunications resellers, and all other telecommunications	47	7,763,478	8,641,684	19,025,483
Data processing, hosting, and related services	214	49,025,403	114,388,508	206,154,357
News syndicates, libraries, archives and all other information services	35	9,266,040	15,947,539	22,235,974
Internet publishing and broadcasting and web search portals	164	78,326,880	231,324,504	380,594,067
Nondepository credit intermediation and related activities	254	39,738,234	42,522,145	59,941,766
Securities and commodity contracts intermediation and brokerage	430	56,569,987	43,570,609	68,335,304
Monetary authorities and depository credit intermediation	416	59,521,068	235,134,823	292,691,026

## Appendix

Other financial investment activities	724	83,927,424	91,815,651	170,284,505
Direct life insurance carriers	67	7,328,729	13,225,814	20,352,407
Insurance carriers, except direct life	254	28,343,516	71,813,583	160,786,522
Insurance agencies, brokerages, and related activities	391	39,271,638	55,425,187	130,209,079
Funds, trusts, and other financial vehicles	213	12,640,818	13,861,464	50,903,030
Other real estate	2,567	151,636,765	322,602,034	645,073,901
Tenant-occupied housing	226	12,816,692	125,918,849	131,967,691
Owner-occupied dwellings	0	0	397,527,309	479,749,629
Automotive equipment rental and leasing	79	7,348,729	20,613,441	26,459,342
General and consumer goods rental except video tapes and discs	79	6,213,617	10,375,719	14,667,526
Video tape and disc rental	21	1,402,054	2,567,678	3,899,913
Commercial and industrial machinery and equipment rental and leasing	137	15,711,359	38,597,957	49,336,940
Lessors of nonfinancial intangible assets	12	1,411,594	28,260,564	29,786,102
Legal services	871	114,874,332	193,328,183	250,183,983
Accounting, tax preparation, bookkeeping, and payroll services	524	53,361,048	77,615,811	109,775,623
Architectural, engineering, and related services	748	84,998,241	98,973,057	160,467,063
Specialized design services	50	5,191,170	11,065,341	16,349,652
Custom computer programming services	221	35,418,199	35,872,675	45,372,118
Computer systems design services	197	28,970,747	28,463,356	34,340,747
Other computer related services, including facilities management	96	17,162,339	23,803,961	36,091,370
Management consulting services	1,904	228,827,933	239,415,767	358,953,387
Environmental and other technical consulting services	190	21,307,449	25,025,153	37,087,561
Scientific research and development services	12,773	2,128,484,084	2,878,850,415	4,411,033,290
Advertising, public relations, and related services	185	22,707,714	43,606,333	70,367,280
Photographic services	16	975,452	3,274,849	5,601,788
Veterinary services	75	5,172,030	6,255,472	8,969,391
Marketing research and all other miscellaneous professional, scientific, and technical services	299	32,831,399	72,523,444	123,142,023
Management of companies and enterprises	1,019	173,797,820	200,937,623	295,808,103

## Appendix

Office administrative services	393	36,557,471	12,770,140	32,540,494
Facilities support services	278	18,927,811	24,798,574	54,064,683
Employment services	2,573	160,363,282	215,151,174	338,635,341
Business support services	212	16,826,941	14,465,569	22,295,825
Travel arrangement and reservation services	116	12,512,988	19,203,696	44,282,570
Investigation and security services	353	18,398,753	18,715,395	26,086,641
Services to buildings	523	24,354,558	33,346,686	63,875,312
Landscape and horticultural services	275	14,871,659	17,966,773	32,109,551
Other support services	115	8,314,424	10,283,663	19,097,843
Waste management and remediation services	100	9,602,305	16,127,374	30,481,556
Elementary and secondary schools	275	18,848,229	14,615,511	17,127,737
Junior colleges, colleges, universities, and professional schools	979	66,547,772	81,119,296	103,589,543
Other educational services	319	16,532,599	18,329,954	34,087,518
Offices of physicians	675	80,523,487	81,489,830	114,777,178
Offices of dentists	295	20,884,183	26,739,966	35,755,081
Offices of other health practitioners	277	16,236,096	28,130,060	35,034,986
Outpatient care centers	390	42,870,628	42,729,736	60,042,503
Medical and diagnostic laboratories	105	11,541,023	21,686,754	27,017,905
Home health care services	320	18,357,576	18,441,650	23,237,473
Other ambulatory health care services	87	6,722,202	8,452,503	12,192,104
Hospitals	1,002	122,642,134	145,044,954	238,696,517
Nursing and community care facilities	353	21,884,614	23,175,711	35,523,245
Residential mental retardation, mental health, substance abuse and other facilities	168	10,445,558	10,711,975	15,179,602
Individual and family services	1,294	39,429,906	37,417,886	53,536,769
Child day care services	220	10,027,526	19,479,159	23,104,160
Community food, housing, and other relief services, including rehabilitation services	214	9,795,304	9,349,878	19,059,551
Performing arts companies	103	6,904,399	9,043,755	13,664,747
Commercial Sports Except Racing	118	11,397,435	5,949,156	8,686,838
Racing and Track Operation	13	828,980	1,093,224	1,781,257
Independent artists, writers, and performers	137	11,490,423	18,623,544	24,703,759

## Appendix

Promoters of performing arts and sports and agents for public figures	182	12,159,183	19,250,727	34,304,957
Museums, historical sites, zoos, and parks	36	2,315,671	2,530,884	4,171,840
Amusement parks and arcades	57	2,492,685	3,179,320	3,906,982
Gambling industries (except casino hotels)	125	6,779,132	19,425,217	25,010,591
Other amusement and recreation industries	145	5,996,465	4,816,060	6,840,195
Fitness and recreational sports centers	141	4,315,656	4,699,814	7,422,018
Bowling centers	15	569,187	773,818	1,148,356
Hotels and motels, including casino hotels	1,114	58,988,595	111,122,836	158,853,553
Other accommodations	350	21,843,140	25,865,354	32,139,650
Full-service restaurants	1,442	59,787,431	88,521,471	153,031,408
Limited-service restaurants	1,312	45,484,760	69,914,941	145,424,724
All other food and drinking places	1,029	44,540,648	62,059,215	93,898,419
Automotive repair and maintenance, except car washes	616	45,499,744	50,975,609	70,660,146
Car washes	226	17,019,743	26,087,148	36,411,163
Electronic and precision equipment repair and maintenance	461	44,688,584	59,302,838	86,993,600
Commercial and industrial machinery and equipment repair and maintenance	145	13,657,653	15,592,273	22,497,562
Personal and household goods repair and maintenance	76	4,800,711	8,774,639	11,946,509
Personal care services	489	13,590,265	6,633,332	8,990,653
Death care services	93	3,288,360	1,924,912	2,851,962
Dry-cleaning and laundry services	232	7,492,689	4,009,066	5,622,504
Other personal services	332	11,336,041	13,853,781	19,808,912
Religious organizations	620	41,005,435	15,414,219	52,611,930
Grantmaking, giving, and social advocacy organizations	159	13,151,987	33,560,835	47,431,353
Business and professional associations	51	5,898,482	8,597,356	13,535,881
Labor and civic organizations	162	7,803,763	19,100,499	30,332,419
Private households	295	6,477,119	6,477,119	6,477,119
Postal service	171	18,340,077	18,467,893	18,474,264
Federal electric utilities	0	0	0	0
Other federal government enterprises	15	997,531	2,875,981	5,663,713
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	58	7,115,408	-2,250,279	592,199
Local government electric utilities	38	6,779,489	12,679,480	27,103,518
Other local government enterprises	287	36,843,140	42,160,529	117,432,425
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	-3,649	-4,328	-4,328
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,006	405,240,867	512,893,939	897,527,964

## Moon to Mars Campaign

**Table 641: Detailed M2M Campaign Impacts by Types of Impact, California**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>16,129</i>	<i>1,803,763,826</i>	<i>2,857,648,576</i>	<i>4,744,708,311</i>
Oilseed farming	<1	110,151	734,167	908,681
Grain farming	6	477,128	2,235,548	3,046,918
Vegetable and melon farming	11	634,464	1,496,529	2,144,286
Fruit farming	17	906,822	1,990,212	2,324,276
Tree nut farming	3	192,189	443,879	552,848
Greenhouse, nursery, and floriculture production	10	436,269	906,773	1,243,288
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	<1	27,231	48,973	60,882
Sugarcane and sugar beet farming	<1	66,231	136,233	184,280
All other crop farming	13	287,290	569,542	809,448
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	14	696,714	3,121,541	5,348,906
Dairy cattle and milk production	10	696,553	1,956,306	6,799,113
Poultry and egg production	4	225,876	498,731	3,387,365
Animal production, except cattle and poultry and eggs	5	346,179	1,379,171	1,496,823
Forestry, forest products, and timber tract production	<1	105,629	125,132	148,671
Commercial logging	1	145,884	263,487	318,889
Commercial fishing	4	215,301	132,994	133,162
Commercial hunting and trapping	<1	23,890	82,906	86,129
Support activities for agriculture and forestry	40	2,268,891	2,410,096	2,612,870
Oil and gas extraction	5	252,576	2,260,496	6,139,359
Coal mining	<1	714	2,319	3,271
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	71,825	158,948	263,414
Gold ore mining	<1	136,241	348,768	561,738
Silver ore mining	<1	34,470	64,551	105,571
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	32,908	78,186	126,687
Stone mining and quarrying	<1	51,105	255,466	363,158
Sand and gravel mining	<1	131,271	266,897	389,105
Other clay, ceramic, refractory minerals mining	<1	10,622	24,989	40,203
Potash, soda, and borate mineral mining	<1	17,758	28,790	45,777
Phosphate rock mining	<1	9,281	20,028	31,020
Other chemical and fertilizer mineral mining	<1	16,133	27,361	44,049
Other nonmetallic minerals	<1	55,325	111,908	173,287
Drilling oil and gas wells	<1	358	1,199	2,407
Support activities for oil and gas operations	<1	2,035	4,130	8,635
Metal mining services	<1	18,353	155,226	449,752
Other nonmetallic minerals services	<1	316	2,634	7,125
Electric power generation - Hydroelectric	<1	252,112	527,960	842,138

## Appendix

Electric power generation - Fossil fuel	2	481,002	1,515,770	3,163,396
Electric power generation - Nuclear	<1	105,224	201,731	352,324
Electric power generation - Solar	<1	111,630	250,544	421,976
Electric power generation - Wind	<1	37,618	250,901	403,453
Electric power generation - Geothermal	<1	77,253	162,651	275,517
Electric power generation - Biomass	<1	38,257	104,647	242,921
Electric power generation - All other	<1	53,528	1,355	20,601
Electric power transmission and distribution	4	966,529	2,677,664	5,830,017
Natural gas distribution	9	2,702,250	8,269,872	14,221,709
Water, sewage and other systems	3	475,238	866,149	1,307,166
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	44	3,644,641	5,907,406	12,557,286
Maintenance and repair construction of residential structures	23	1,733,657	2,676,228	5,521,303
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,703	2,757	5,944
Dog and cat food manufacturing	3	313,565	814,475	3,117,516
Other animal food manufacturing	4	394,874	877,425	5,906,514
Flour milling	<1	84,732	170,751	1,217,124

## Appendix

Rice milling	<1	53,251	90,389	579,903
Malt manufacturing	<1	6,186	10,847	106,148
Wet corn milling	<1	49,316	113,040	511,999
Soybean and other oilseed processing	1	133,284	779,783	8,305,341
Fats and oils refining and blending	1	98,236	248,929	2,506,312
Breakfast cereal manufacturing	<1	72,146	160,245	646,067
Beet sugar manufacturing	<1	60,231	102,485	440,206
Sugar cane mills and refining	<1	83,641	221,200	911,630
Nonchocolate confectionery manufacturing	3	250,157	345,458	1,388,870
Chocolate and confectionery manufacturing from cacao beans	2	207,325	304,073	1,250,013
Confectionery manufacturing from purchased chocolate	3	194,406	280,118	1,272,086
Frozen fruits, juices and vegetables manufacturing	3	301,110	593,821	2,106,953
Frozen specialties manufacturing	8	556,166	730,931	2,984,907
Canned fruits and vegetables manufacturing	9	694,722	1,268,048	5,144,408
Canned specialties	<1	77,168	163,901	715,398
Dehydrated food products manufacturing	2	174,789	300,304	1,183,990
Cheese manufacturing	11	806,126	1,135,992	10,885,497
Dry, condensed, and evaporated dairy product manufacturing	1	140,071	304,648	1,679,581
Fluid milk manufacturing	5	443,489	699,536	3,747,892
Creamery butter manufacturing	<1	40,712	125,551	710,796
Ice cream and frozen dessert manufacturing	2	131,608	185,385	777,398
Frozen cakes and other pastries manufacturing	16	799,895	1,263,749	2,079,312
Poultry processing	13	660,201	849,127	4,645,109
Animal, except poultry, slaughtering	8	566,556	743,955	5,835,774
Meat processed from carcasses	13	933,007	972,028	7,194,388
Rendering and meat byproduct processing	1	119,641	140,418	716,611
Seafood product preparation and packaging	2	141,540	193,383	889,049
Bread and bakery product, except frozen, manufacturing	36	1,830,533	2,721,795	6,376,391
Cookie and cracker manufacturing	4	269,680	390,363	1,392,761
Dry pasta, mixes, and dough manufacturing	3	180,314	381,749	1,582,524
Tortilla manufacturing	2	133,797	173,340	605,895



## Appendix

Roasted nuts and peanut butter manufacturing	3	295,808	774,382	2,229,697
Other snack food manufacturing	6	474,575	1,009,656	3,558,077
Coffee and tea manufacturing	2	144,422	256,507	1,360,015
Flavoring syrup and concentrate manufacturing	2	241,994	1,580,999	3,786,586
Mayonnaise, dressing, and sauce manufacturing	2	206,504	363,268	1,538,415
Spice and extract manufacturing	3	318,857	510,118	2,082,338
All other food manufacturing	14	945,674	1,312,912	6,197,673
Bottled and canned soft drinks & water	7	624,645	1,065,138	4,634,413
Manufactured ice	<1	34,702	22,984	87,631
Breweries	10	583,076	1,345,519	3,407,295
Wineries	14	1,220,363	2,099,196	5,584,795
Distilleries	2	156,012	1,025,536	1,894,904
Tobacco product manufacturing	<1	19,901	889,291	1,155,325
Fiber, yarn, and thread mills	2	91,265	121,683	561,516
Broadwoven fabric mills	<1	66,298	93,497	270,781
Narrow fabric mills and schiffli machine embroidery	<1	17,524	19,638	54,460
Nonwoven fabric mills	<1	24,565	40,653	180,554
Knit fabric mills	<1	35,659	46,284	159,933
Textile and fabric finishing mills	4	270,107	348,834	1,371,079
Fabric coating mills	<1	51,249	62,056	207,209
Carpet and rug mills	2	148,013	217,775	783,539
Curtain and linen mills	2	111,958	141,263	421,203
Textile bag and canvas mills	2	159,192	211,919	568,940
Rope, cordage, twine, tire cord and tire fabric mills	<1	11,626	18,133	48,019
Other textile product mills	8	427,774	508,648	1,398,387
Hosiery and sock mills	1	67,908	89,594	160,820
Other apparel knitting mills	<1	36,032	52,406	94,411
Cut and sew apparel contractors	7	355,295	392,786	703,106
Men's and boys' cut and sew apparel manufacturing	6	387,075	454,103	904,302
Women's and girls' cut and sew apparel manufacturing	5	358,312	516,923	1,365,305
Other cut and sew apparel manufacturing	4	198,149	254,003	571,032
Apparel accessories and other apparel manufacturing	3	181,933	242,110	497,166
Leather and hide tanning and finishing	<1	7,959	12,857	44,004
Footwear manufacturing	1	123,071	133,404	282,360
Other leather and allied product manufacturing	2	95,332	108,874	278,241

## Appendix

Sawmills	2	168,534	348,954	1,085,089
Wood preservation	<1	17,246	62,174	227,919
Veneer and plywood manufacturing	<1	18,998	34,831	109,792
Engineered wood member and truss manufacturing	1	82,456	159,380	483,904
Reconstituted wood product manufacturing	<1	9,276	36,755	113,082
Wood windows and door manufacturing	3	255,537	383,877	1,036,635
Cut stock, resawing lumber, and planing	<1	23,648	54,888	152,939
Other millwork, including flooring	2	129,846	240,184	605,806
Wood container and pallet manufacturing	3	190,713	290,901	790,033
Manufactured home (mobile home) manufacturing	<1	209	332	943
Prefabricated wood building manufacturing	<1	13,232	27,039	67,545
All other miscellaneous wood product manufacturing	<1	63,004	96,631	268,943
Pulp mills	0	0	0	0
Paper mills	1	93,915	197,370	847,949
Paperboard mills	1	109,150	228,813	861,308
Paperboard container manufacturing	15	1,346,087	2,183,327	8,813,248
Paper bag and coated and treated paper manufacturing	4	366,884	577,654	1,903,274
Stationery product manufacturing	<1	44,105	56,772	200,412
Sanitary paper product manufacturing	1	136,797	421,018	1,240,757
All other converted paper product manufacturing	1	92,579	162,843	523,165
Printing	40	2,901,238	4,266,412	8,287,167
Support activities for printing	4	269,576	380,722	590,792
Petroleum refineries	3	1,076,503	11,113,351	46,283,166
Asphalt paving mixture and block manufacturing	<1	12,246	18,920	67,882
Asphalt shingle and coating materials manufacturing	<1	22,628	98,546	225,058
Petroleum lubricating oil and grease manufacturing	<1	178,721	510,022	1,322,814
All other petroleum and coal products manufacturing	<1	4,835	15,956	52,228
Petrochemical manufacturing	<1	19,376	562,907	1,365,377
Industrial gas manufacturing	<1	130,173	743,362	1,440,415

## Appendix

Synthetic dye and pigment manufacturing	<1	54,803	188,733	535,240
Other basic inorganic chemical manufacturing	1	167,095	683,543	1,445,024
Other basic organic chemical manufacturing	2	251,181	1,096,805	4,583,424
Plastics material and resin manufacturing	2	216,286	654,954	3,374,359
Synthetic rubber manufacturing	<1	12,257	25,359	123,134
Artificial and synthetic fibers and filaments manufacturing	<1	20,255	40,506	153,996
Nitrogenous fertilizer manufacturing	<1	81,633	586,344	1,407,322
Phosphatic fertilizer manufacturing	<1	21,131	107,704	281,432
Fertilizer mixing	<1	37,823	136,645	320,425
Pesticide and other agricultural chemical manufacturing	<1	73,725	507,937	1,183,332
Medicinal and botanical manufacturing	6	1,225,467	3,058,786	5,510,215
Pharmaceutical preparation manufacturing	29	6,002,069	28,530,469	47,610,101
In-vitro diagnostic substance manufacturing	3	572,379	1,192,003	2,202,274
Biological product (except diagnostic) manufacturing	3	594,563	3,024,974	4,686,318
Paint and coating manufacturing	3	293,874	1,061,034	3,041,680
Adhesive manufacturing	2	269,669	692,586	1,832,473
Soap and other detergent manufacturing	3	454,830	2,401,308	4,772,921
Polish and other sanitation good manufacturing	3	394,925	1,084,737	2,236,076
Surface active agent manufacturing	<1	11,677	93,973	176,718
Toilet preparation manufacturing	8	801,164	4,497,311	8,725,083
Printing ink manufacturing	2	174,803	213,648	860,271
Explosives manufacturing	<1	18,729	25,394	85,605
Custom compounding of purchased resins	2	160,675	506,565	1,445,854
Photographic film and chemical manufacturing	<1	73,234	274,038	611,065
Other miscellaneous chemical product manufacturing	4	414,213	1,052,436	3,068,817
Plastics packaging materials and unlaminated film and sheet manufacturing	7	642,332	979,064	3,829,502
Unlaminated plastics profile shape manufacturing	3	256,148	524,388	1,596,949
Plastics pipe and pipe fitting manufacturing	2	195,488	494,962	1,740,557

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	79,801	125,473	387,231
Polystyrene foam product manufacturing	2	174,437	293,155	1,121,154
Urethane and other foam product (except polystyrene) manufacturing	4	278,134	448,469	1,741,272
Plastics bottle manufacturing	5	454,575	669,815	2,622,743
Other plastics product manufacturing	28	2,282,947	3,291,493	10,036,601
Tire manufacturing	<1	56,539	73,589	274,888
Rubber and plastics hoses and belting manufacturing	<1	37,855	57,351	211,419
Other rubber product manufacturing	10	670,712	828,426	3,046,147
Pottery, ceramics, and plumbing fixture manufacturing	<1	49,022	76,121	162,668
Brick, tile, and other structural clay product manufacturing	<1	40,780	64,722	155,158
Flat glass manufacturing	<1	63,554	118,487	284,014
Other pressed and blown glass and glassware manufacturing	2	175,901	284,233	651,989
Glass container manufacturing	1	144,136	226,934	551,838
Glass product manufacturing made of purchased glass	4	318,525	539,076	1,302,786
Cement manufacturing	<1	53,956	113,143	307,585
Ready-mix concrete manufacturing	2	207,194	319,628	988,946
Concrete block and brick manufacturing	<1	42,910	71,320	181,355
Concrete pipe manufacturing	<1	13,838	22,271	56,198
Other concrete product manufacturing	1	104,858	148,631	361,777
Lime manufacturing	<1	4,504	8,622	25,753
Gypsum product manufacturing	1	102,358	265,919	733,309
Abrasive product manufacturing	<1	33,300	66,276	126,884
Cut stone and stone product manufacturing	<1	57,087	72,135	158,193
Ground or treated mineral and earth manufacturing	<1	27,724	57,585	149,775
Mineral wool manufacturing	<1	44,199	103,635	238,528
Miscellaneous nonmetallic mineral products manufacturing	<1	37,628	78,304	166,498
Iron and steel mills and ferroalloy manufacturing	5	716,580	1,965,755	10,514,180
Iron, steel pipe and tube manufacturing from purchased steel	3	301,138	695,186	2,401,142

## Appendix

Rolled steel shape manufacturing	<1	72,569	271,408	1,166,629
Steel wire drawing	1	83,422	174,635	678,636
Alumina refining and primary aluminum production	1	130,726	227,325	963,995
Secondary smelting and alloying of aluminum	<1	62,547	133,185	1,066,004
Aluminum sheet, plate, and foil manufacturing	1	87,663	205,767	1,062,743
Other aluminum rolling, drawing and extruding	3	227,977	343,480	1,549,059
Nonferrous metal (exc aluminum) smelting and refining	<1	3,296	21,220	71,776
Copper rolling, drawing, extruding and alloying	<1	55,076	122,234	1,037,051
Nonferrous metal, except copper and aluminum, shaping	2	173,381	218,081	888,200
Secondary processing of other nonferrous metals	<1	20,019	41,564	182,454
Ferrous metal foundries	4	294,264	527,019	1,273,720
Nonferrous metal foundries	4	320,053	442,344	1,145,312
Custom roll forming	<1	58,087	81,249	403,141
Crown and closure manufacturing and metal stamping	5	361,229	459,464	1,386,065
Iron and steel forging	5	399,593	532,474	1,876,003
Nonferrous forging	2	190,739	239,333	808,719
Cutlery, utensil, pot, and pan manufacturing	<1	98,838	187,747	503,055
Handtool manufacturing	2	160,743	249,871	667,692
Prefabricated metal buildings and components manufacturing	<1	72,262	99,905	334,505
Fabricated structural metal manufacturing	6	498,503	718,011	2,553,610
Plate work manufacturing	8	661,004	747,751	2,275,406
Metal window and door manufacturing	3	282,953	382,206	1,105,056
Sheet metal work manufacturing	5	427,010	559,339	1,616,001
Ornamental and architectural metal work manufacturing	2	214,743	253,686	659,043
Power boiler and heat exchanger manufacturing	<1	5,986	8,008	22,937
Metal tank (heavy gauge) manufacturing	<1	72,592	87,702	260,026
Metal cans manufacturing	2	184,620	320,560	1,604,318
Metal barrels, drums and pails manufacturing	<1	65,442	83,790	341,567
Hardware manufacturing	2	183,268	256,687	802,195
Spring and wire product manufacturing	6	458,980	587,756	1,875,819

## Appendix

Machine shops	34	2,715,137	3,151,261	6,684,601
Turned product and screw, nut, and bolt manufacturing	7	618,764	771,279	2,090,597
Metal heat treating	3	246,340	315,981	802,986
Metal coating and nonprecious engraving	8	568,388	943,003	2,897,764
Electroplating, anodizing, and coloring metal	8	609,757	661,264	1,497,729
Valve and fittings, other than plumbing, manufacturing	13	1,274,528	1,868,976	5,322,170
Plumbing fixture fitting and trim manufacturing	1	96,205	202,368	819,668
Ball and roller bearing manufacturing	2	175,121	269,745	741,458
Small arms ammunition manufacturing	<1	2,905	6,236	16,791
Ammunition, except for small arms, manufacturing	<1	4,845	5,417	11,315
Small arms, ordnance, and accessories manufacturing	1	119,405	232,426	576,493
Fabricated pipe and pipe fitting manufacturing	<1	48,795	59,253	172,065
Other fabricated metal manufacturing	5	468,771	599,582	1,621,530
Farm machinery and equipment manufacturing	<1	27,774	62,064	220,109
Lawn and garden equipment manufacturing	<1	5,087	8,663	43,167
Construction machinery manufacturing	<1	2,112	6,017	15,491
Mining machinery and equipment manufacturing	<1	206	325	786
Oil and gas field machinery and equipment manufacturing	<1	1,443	1,971	6,271
Semiconductor machinery manufacturing	<1	28,744	36,232	82,140
Food product machinery manufacturing	<1	3,655	4,386	13,404
Sawmill, woodworking, and paper machinery	<1	4,191	4,951	13,897
Printing machinery and equipment manufacturing	<1	4,415	5,045	15,426
All other industrial machinery manufacturing	<1	17,900	24,293	62,774
Optical instrument and lens manufacturing	5	684,392	1,107,921	2,381,230
Photographic and photocopying equipment manufacturing	<1	6,820	8,857	22,771
Other commercial service industry machinery manufacturing	<1	94,481	171,894	419,858

## Appendix

Air purification and ventilation equipment manufacturing	<1	24,723	34,839	88,569
Heating equipment (except warm air furnaces) manufacturing	1	100,333	175,683	417,878
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	103,759	197,769	547,972
Industrial mold manufacturing	<1	25,447	32,529	68,232
Special tool, die, jig, and fixture manufacturing	<1	28,417	40,267	74,864
Cutting tool and machine tool accessory manufacturing	<1	27,815	33,964	80,576
Machine tool manufacturing	<1	18,828	25,996	72,103
Rolling mill and other metalworking machinery manufacturing	<1	6,191	9,053	23,188
Turbine and turbine generator set units manufacturing	<1	24,481	27,605	74,673
Speed changer, industrial high-speed drive, and gear manufacturing	<1	27,033	40,655	90,498
Mechanical power transmission equipment manufacturing	<1	40,897	63,841	156,774
Other engine equipment manufacturing	<1	6,599	16,936	60,069
Pump and pumping equipment manufacturing	<1	13,322	25,053	68,919
Air and gas compressor manufacturing	<1	3,661	5,315	15,764
Elevator and moving stairway manufacturing	<1	3,033	4,173	12,481
Conveyor and conveying equipment manufacturing	<1	4,299	5,099	14,712
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,137	2,346	7,757
Industrial truck, trailer, and stacker manufacturing	<1	7,045	13,159	45,582
Power-driven handtool manufacturing	<1	12,349	38,110	98,219
Welding and soldering equipment manufacturing	<1	12,272	19,777	49,415
Packaging machinery manufacturing	<1	45,772	73,740	185,441
Industrial process furnace and oven manufacturing	<1	3,739	4,767	11,190
Fluid power cylinder and actuator manufacturing	<1	39,348	60,408	157,832
Fluid power pump and motor manufacturing	1	145,703	261,520	699,871

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	20,614	26,697	68,600
Electronic computer manufacturing	3	1,276,490	1,912,280	3,741,079
Computer storage device manufacturing	<1	102,464	177,868	525,221
Computer terminals and other computer peripheral equipment manufacturing	2	360,529	565,812	1,245,159
Telephone apparatus manufacturing	<1	24,230	45,940	107,798
Broadcast and wireless communications equipment manufacturing	2	331,231	463,873	1,105,715
Other communications equipment manufacturing	<1	89,579	165,313	469,531
Audio and video equipment manufacturing	1	285,972	542,868	1,591,882
Printed circuit assembly (electronic assembly) manufacturing	8	665,162	1,179,560	4,170,274
Bare printed circuit board manufacturing	3	232,972	310,172	853,578
Semiconductor and related device manufacturing	32	8,189,322	14,120,247	32,371,309
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	137,368	187,682	456,785
Electronic connector manufacturing	11	1,198,722	1,773,148	4,808,677
Other electronic component manufacturing	7	762,653	1,004,292	2,428,811
Electromedical and electrotherapeutic apparatus manufacturing	<1	102,717	183,302	399,672
Search, detection, and navigation instruments manufacturing	6	964,926	1,891,811	3,886,083
Automatic environmental control manufacturing	2	202,968	290,590	588,802
Industrial process variable instruments manufacturing	<1	76,612	121,637	289,264
Totalizing fluid meter and counting device manufacturing	<1	19,839	47,574	99,135
Electricity and signal testing instruments manufacturing	<1	123,502	160,124	369,832
Analytical laboratory instrument manufacturing	2	357,960	614,441	1,231,449
Irradiation apparatus manufacturing	<1	6,359	13,580	37,634



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	2	418,694	628,952	1,296,892
Blank magnetic and optical recording media manufacturing	<1	108,891	408,685	1,135,347
Software and other prerecorded and record reproducing	1	184,280	280,120	551,843
Electric lamp bulb and part manufacturing	<1	73,701	98,571	269,550
Lighting fixture manufacturing	4	438,079	519,910	1,660,795
Small electrical appliance manufacturing	<1	83,760	126,210	432,217
Household cooking appliance manufacturing	<1	18,785	31,165	122,562
Household refrigerator and home freezer manufacturing	<1	23,006	36,357	131,792
Household laundry equipment manufacturing	<1	72,121	97,589	402,157
Other major household appliance manufacturing	<1	9,338	15,984	54,218
Power, distribution, and specialty transformer manufacturing	<1	16,535	19,338	50,993
Motor and generator manufacturing	<1	82,352	113,840	333,637
Switchgear and switchboard apparatus manufacturing	<1	64,211	87,038	264,007
Relay and industrial control manufacturing	1	129,961	150,638	395,771
Storage battery manufacturing	3	379,560	485,193	1,439,680
Primary battery manufacturing	<1	85,747	67,041	299,984
Fiber optic cable manufacturing	2	215,536	268,005	981,250
Other communication and energy wire manufacturing	<1	76,473	106,520	552,769
Wiring device manufacturing	4	405,202	611,040	1,776,616
Carbon and graphite product manufacturing	2	234,344	297,818	984,432
All other miscellaneous electrical equipment and component manufacturing	<1	71,263	77,946	188,739
Automobile manufacturing	7	1,110,601	1,910,291	9,836,300
Light truck and utility vehicle manufacturing	2	199,438	346,891	2,525,099
Heavy duty truck manufacturing	<1	4,923	7,201	31,698
Motor vehicle body manufacturing	<1	21,242	24,279	103,169
Truck trailer manufacturing	<1	1,160	1,259	5,016
Motor home manufacturing	<1	9,943	13,766	64,763
Travel trailer and camper manufacturing	2	140,715	152,799	820,686

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	2	183,642	228,495	1,313,265
Motor vehicle electrical and electronic equipment manufacturing	2	256,477	297,705	1,163,366
Motor vehicle transmission and power train parts manufacturing	2	214,561	246,466	1,315,443
Motor vehicle seating and interior trim manufacturing	1	110,046	120,497	686,489
Motor vehicle metal stamping	1	83,349	94,143	413,684
Other motor vehicle parts manufacturing	6	449,579	503,631	2,839,190
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	1	83,235	100,387	568,344
Aircraft manufacturing	287	42,135,027	78,291,795	169,295,900
Aircraft engine and engine parts manufacturing	48	6,367,226	15,172,708	29,657,506
Other aircraft parts and auxiliary equipment manufacturing	70	7,623,323	11,124,714	21,704,159
Guided missile and space vehicle manufacturing	108	19,999,619	33,138,282	62,299,078
Propulsion units and parts for space vehicles and guided missiles manufacturing	23	3,091,166	4,450,381	8,102,485
Railroad rolling stock manufacturing	<1	6,314	6,854	25,577
Ship building and repairing	<1	26,083	34,984	76,780
Boat building	<1	74,253	108,568	313,989
Motorcycle, bicycle, and parts manufacturing	<1	79,248	239,770	560,711
Military armored vehicle, tank, and tank component manufacturing	4	586,323	1,161,251	2,571,997
All other transportation equipment manufacturing	<1	47,296	94,140	354,104
Wood kitchen cabinet and countertop manufacturing	7	484,329	553,216	1,350,602
Upholstered household furniture manufacturing	8	434,179	466,796	1,596,302
Nonupholstered wood household furniture manufacturing	2	148,319	160,914	432,615
Other household nonupholstered furniture manufacturing	1	79,582	109,162	442,794
Institutional furniture manufacturing	<1	4,702	4,856	13,888
Wood office furniture manufacturing	<1	2,121	2,365	7,056

## Appendix

Custom architectural woodwork and millwork	<1	11,512	10,960	26,934
Office furniture, except wood, manufacturing	<1	11,849	15,077	54,907
Showcase, partition, shelving, and locker manufacturing	<1	46,873	54,482	157,615
Mattress manufacturing	2	134,027	190,767	830,045
Blind and shade manufacturing	<1	29,196	29,412	107,162
Surgical and medical instrument manufacturing	2	263,510	385,700	698,789
Surgical appliance and supplies manufacturing	5	577,445	1,039,173	2,133,902
Dental equipment and supplies manufacturing	<1	47,024	71,792	155,861
Ophthalmic goods manufacturing	2	234,723	418,162	805,669
Dental laboratories	7	535,983	601,931	1,077,897
Jewelry and silverware manufacturing	3	233,884	410,422	1,014,901
Sporting and athletic goods manufacturing	3	339,721	471,986	1,287,966
Doll, toy, and game manufacturing	2	291,122	516,224	1,122,336
Office supplies (except paper) manufacturing	<1	93,809	137,078	351,411
Sign manufacturing	<1	55,351	52,305	118,827
Gasket, packing, and sealing device manufacturing	1	112,104	125,289	277,041
Musical instrument manufacturing	<1	52,910	59,317	130,645
Fasteners, buttons, needles, and pins manufacturing	<1	22,261	25,681	56,787
Broom, brush, and mop manufacturing	<1	48,936	72,062	186,901
Burial casket manufacturing	<1	1,728	2,568	5,895
All other miscellaneous manufacturing	6	540,837	722,781	1,778,362
Wholesale - Motor vehicle and motor vehicle parts and supplies	14	1,306,623	2,943,434	6,393,873
Wholesale - Professional and commercial equipment and supplies	37	6,345,296	10,443,773	16,253,581
Wholesale - Household appliances and electrical and electronic goods	24	3,236,374	7,784,822	15,791,764
Wholesale - Machinery, equipment, and supplies	32	3,439,170	6,647,042	11,708,202
Wholesale - Other durable goods merchant wholesalers	54	5,308,620	10,173,609	20,104,104

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	19	3,314,123	8,176,854	17,373,702
Wholesale - Grocery and related product wholesalers	46	4,198,887	6,268,804	12,376,127
Wholesale - Petroleum and petroleum products	3	355,211	10,411,400	11,409,945
Wholesale - Other nondurable goods merchant wholesalers	63	6,063,066	16,832,344	28,823,348
Wholesale - Wholesale electronic markets and agents and brokers	23	3,077,833	3,471,659	4,082,318
Retail - Motor vehicle and parts dealers	44	3,957,680	6,384,768	8,343,761
Retail - Furniture and home furnishings stores	34	2,145,603	3,216,341	4,845,870
Retail - Electronics and appliance stores	30	2,230,695	2,468,894	3,641,135
Retail - Building material and garden equipment and supplies stores	36	2,113,981	5,015,127	6,582,746
Retail - Food and beverage stores	143	7,287,456	11,408,428	16,565,583
Retail - Health and personal care stores	67	3,967,170	5,579,630	7,816,632
Retail - Gasoline stores	29	2,847,597	5,150,553	7,486,561
Retail - Clothing and clothing accessories stores	68	3,288,115	6,246,463	10,545,959
Retail - Sporting goods, hobby, musical instrument and book stores	43	2,016,733	2,850,528	4,155,351
Retail - General merchandise stores	112	5,533,129	10,259,454	14,848,329
Retail - Miscellaneous store retailers	95	4,336,547	5,015,578	7,138,471
Retail - Nonstore retailers	117	2,764,222	20,239,973	30,649,819
Air transportation	31	4,312,148	10,260,389	18,384,968
Rail transportation	5	728,239	1,382,335	3,014,115
Water transportation	5	830,179	1,925,097	4,915,582
Truck transportation	118	10,038,987	14,319,627	28,616,844
Transit and ground passenger transportation	128	5,281,756	8,041,590	9,741,823
Pipeline transportation	1	295,020	880,530	1,324,660
Scenic and sightseeing transportation and support activities for transportation	84	9,622,370	8,014,764	11,356,265
Couriers and messengers	162	4,705,406	9,850,467	11,772,733
Warehousing and storage	109	7,016,359	7,680,714	13,192,621
Newspaper publishers	3	379,955	792,380	985,219
Periodical publishers	3	512,299	936,700	1,290,177
Book publishers	3	452,590	1,672,586	2,627,416

## Appendix

Directory, mailing list, and other publishers	1	169,744	533,854	768,647
Greeting card publishing	<1	6,400	29,827	43,792
Software publishers	46	12,711,568	29,889,488	34,496,087
Motion picture and video industries	31	4,901,104	8,640,104	13,138,988
Sound recording industries	2	312,587	2,531,544	3,072,766
Radio and television broadcasting	18	12,089,264	14,162,797	19,382,159
Cable and other subscription programming	9	5,875,616	18,888,000	30,364,668
Wired telecommunications carriers	21	2,789,205	4,549,902	9,102,854
Wireless telecommunications carriers (except satellite)	6	776,566	4,193,457	12,242,186
Satellite, telecommunications resellers, and all other telecommunications	7	1,363,633	1,390,845	2,951,237
Data processing, hosting, and related services	42	9,949,125	23,018,533	41,141,975
News syndicates, libraries, archives and all other information services	10	2,679,268	4,624,000	6,329,719
Internet publishing and broadcasting and web search portals	94	33,843,166	97,104,591	187,329,452
Nondepository credit intermediation and related activities	58	9,572,047	10,266,208	14,218,478
Securities and commodity contracts intermediation and brokerage	91	13,886,739	10,360,280	15,193,558
Monetary authorities and depository credit intermediation	93	13,714,379	57,347,898	69,135,327
Other financial investment activities	181	23,897,913	25,961,932	44,515,507
Direct life insurance carriers	15	1,698,322	3,116,019	4,747,202
Insurance carriers, except direct life	57	6,608,875	16,891,040	36,985,284
Insurance agencies, brokerages, and related activities	89	9,012,284	12,695,826	29,624,784
Funds, trusts, and other financial vehicles	53	3,494,000	4,059,981	13,071,574
Other real estate	686	43,629,055	91,200,656	176,627,467
Tenant-occupied housing	54	3,140,223	32,653,485	34,045,424
Owner-occupied dwellings	0	0	99,650,679	120,261,867
Automotive equipment rental and leasing	17	1,708,782	4,959,769	6,228,884

## Appendix

General and consumer goods rental except video tapes and discs	16	1,292,079	2,166,878	3,028,761
Video tape and disc rental	5	336,148	621,424	945,845
Commercial and industrial machinery and equipment rental and leasing	21	2,430,425	6,044,026	7,693,228
Lessors of nonfinancial intangible assets	3	329,248	7,103,370	7,460,123
Legal services	232	31,513,902	54,450,991	69,463,031
Accounting, tax preparation, bookkeeping, and payroll services	121	12,766,558	18,860,521	26,220,461
Architectural, engineering, and related services	108	12,547,233	14,727,864	23,608,747
Specialized design services	13	1,375,848	2,982,361	4,289,365
Custom computer programming services	69	11,258,133	11,365,278	14,328,816
Computer systems design services	46	7,081,586	6,956,503	8,307,452
Other computer related services, including facilities management	28	5,112,241	7,053,445	10,652,599
Management consulting services	315	40,000,723	41,928,198	61,584,116
Environmental and other technical consulting services	46	5,270,971	6,264,707	9,179,883
Scientific research and development services	3,905	689,720,267	931,198,358	1,391,341,806
Advertising, public relations, and related services	54	6,874,870	13,375,809	21,122,477
Photographic services	4	230,052	806,030	1,334,101
Veterinary services	18	1,299,252	1,582,021	2,242,272
Marketing research and all other miscellaneous professional, scientific, and technical services	86	9,529,121	21,311,116	35,838,669
Management of companies and enterprises	264	46,172,262	53,699,800	78,101,945
Office administrative services	116	11,401,793	4,276,429	10,082,877
Facilities support services	40	2,956,265	3,902,033	8,100,081
Employment services	609	40,916,429	55,945,574	84,637,468
Business support services	48	4,070,739	3,555,093	5,301,855
Travel arrangement and reservation services	24	2,724,015	4,237,597	9,423,584
Investigation and security services	84	4,582,295	4,669,092	6,400,000
Services to buildings	111	5,342,934	7,473,994	13,877,208
Landscape and horticultural services	67	3,773,124	4,614,112	8,058,769
Other support services	27	2,038,491	2,548,854	4,645,584
Waste management and remediation services	22	2,178,413	3,655,509	6,866,853

## Appendix

Elementary and secondary schools	76	5,500,452	4,259,425	4,946,818
Junior colleges, colleges, universities, and professional schools	194	13,694,931	16,756,873	21,136,721
Other educational services	68	3,593,667	4,003,726	7,357,670
Offices of physicians	168	20,106,719	20,389,825	28,670,731
Offices of dentists	73	5,196,239	6,753,224	8,969,576
Offices of other health practitioners	66	3,896,714	6,958,180	8,596,639
Outpatient care centers	101	10,869,673	10,867,494	15,370,428
Medical and diagnostic laboratories	25	2,827,527	5,470,122	6,722,407
Home health care services	86	4,779,854	4,814,323	6,102,330
Other ambulatory health care services	22	1,676,581	2,136,530	3,064,189
Hospitals	281	33,994,658	40,453,942	66,735,251
Nursing and community care facilities	91	5,851,196	6,201,571	9,384,452
Residential mental retardation, mental health, substance abuse and other facilities	47	3,037,746	3,117,140	4,366,941
Individual and family services	340	10,543,473	10,080,693	14,314,453
Child day care services	57	2,625,695	5,216,037	6,130,832
Community food, housing, and other relief services, including rehabilitation services	60	2,808,470	2,688,294	5,393,439
Performing arts companies	25	1,825,997	2,393,349	3,484,400
Commercial Sports Except Racing	31	2,949,002	1,612,363	2,316,005
Racing and Track Operation	3	233,768	301,220	473,032
Independent artists, writers, and performers	36	3,228,993	5,129,267	6,680,456
Promoters of performing arts and sports and agents for public figures	45	3,297,164	5,135,124	8,738,639
Museums, historical sites, zoos, and parks	9	622,708	681,036	1,101,058
Amusement parks and arcades	15	692,108	864,877	1,059,891
Gambling industries (except casino hotels)	31	1,728,326	4,978,090	6,375,090
Other amusement and recreation industries	35	1,509,619	1,210,448	1,701,183
Fitness and recreational sports centers	36	1,160,655	1,251,249	1,945,233
Bowling centers	4	141,550	192,933	283,623
Hotels and motels, including casino hotels	296	16,034,091	29,676,550	42,364,175
Other accommodations	98	6,272,459	7,415,043	9,161,079

## Appendix

Full-service restaurants	355	14,929,089	22,004,974	37,891,420
Limited-service restaurants	322	11,476,122	17,525,402	36,037,532
All other food and drinking places	224	10,136,503	13,968,542	20,889,312
Automotive repair and maintenance, except car washes	123	9,286,840	10,181,058	14,096,685
Car washes	55	4,201,337	6,416,910	8,932,717
Electronic and precision equipment repair and maintenance	23	2,283,720	3,073,886	4,460,675
Commercial and industrial machinery and equipment repair and maintenance	29	2,803,515	3,180,664	4,562,617
Personal and household goods repair and maintenance	18	1,171,915	2,025,106	2,780,800
Personal care services	121	3,402,115	1,531,507	2,108,808
Death care services	25	905,026	492,052	737,458
Dry-cleaning and laundry services	51	1,690,807	814,641	1,164,543
Other personal services	84	2,901,532	3,456,304	4,960,913
Religious organizations	175	11,757,005	3,979,167	14,424,420
Grantmaking, giving, and social advocacy organizations	45	3,885,574	8,869,248	12,760,315
Business and professional associations	13	1,575,601	2,106,242	3,333,040
Labor and civic organizations	45	2,247,848	4,892,249	7,985,728
Private households	72	1,714,785	1,714,785	1,714,785
Postal service	37	3,955,054	3,983,328	3,984,693
Federal electric utilities	0	0	0	0
Other federal government enterprises	4	278,681	860,762	1,612,998
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	13	1,889,993	-376,315	131,734
Local government electric utilities	7	1,341,154	2,337,163	5,007,663
Other local government enterprises	63	8,483,190	8,379,151	24,919,122
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	<1	4,387	5,202	5,202
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	168	36,802,399	43,083,081	78,288,780

## Investments in Climate Change Research and Technology

**Table 642: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, California**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>6,681</i>	<i>679,434,840</i>	<i>1,071,343,796</i>	<i>1,825,787,103</i>
Oilseed farming	<1	20,315	110,054	126,923
Grain farming	2	187,791	572,243	1,148,265
Vegetable and melon farming	4	292,699	640,140	956,813
Fruit farming	7	385,806	828,609	991,129
Tree nut farming	1	75,966	165,500	206,090
Greenhouse, nursery, and floriculture production	4	212,104	406,263	571,815
Tobacco farming	0	0	0	0
Cotton farming	<1	23,556	40,114	53,127
Sugarcane and sugar beet farming	<1	46,587	86,274	129,878
All other crop farming	7	177,921	322,982	471,762
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	9	436,878	1,544,522	3,172,221
Dairy cattle and milk production	4	306,134	769,606	3,038,770
Poultry and egg production	2	125,600	240,268	1,885,257
Animal production, except cattle and poultry and eggs	1	141,550	430,415	482,242
Forestry, forest products, and timber tract production	<1	53,384	63,374	79,498

## Appendix

Commercial logging	<1	75,861	136,999	173,517
Commercial fishing	1	50,722	52,526	53,092
Commercial hunting and trapping	<1	5,190	37,231	39,957
Support activities for agriculture and forestry	16	951,778	994,185	1,073,112
Oil and gas extraction	3	306,856	1,748,076	4,141,541
Coal mining	<1	1,359	4,330	6,187
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	25,331	55,153	95,177
Gold ore mining	<1	66,097	165,459	278,155
Silver ore mining	<1	14,671	27,223	46,021
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	13,359	31,590	52,382
Stone mining and quarrying	<1	24,441	138,194	194,042
Sand and gravel mining	<1	55,734	117,963	175,891
Other clay, ceramic, refractory minerals mining	<1	7,229	17,407	28,053
Potash, soda, and borate mineral mining	<1	7,380	12,086	19,355
Phosphate rock mining	<1	3,446	7,591	11,816
Other chemical and fertilizer mineral mining	<1	7,868	13,202	21,853
Other nonmetallic minerals	<1	15,760	32,423	49,856
Drilling oil and gas wells	<1	241	774	1,478
Support activities for oil and gas operations	<1	1,469	2,767	5,467
Metal mining services	<1	14,282	104,839	276,482
Other nonmetallic minerals services	<1	256	1,674	4,137
Electric power generation - Hydroelectric	<1	177,702	389,373	638,267
Electric power generation - Fossil fuel	3	632,742	2,312,571	4,870,408
Electric power generation - Nuclear	<1	178,192	359,602	648,660
Electric power generation - Solar	<1	126,463	296,289	503,460
Electric power generation - Wind	<1	88,326	659,419	1,110,555
Electric power generation - Geothermal	<1	32,432	69,200	116,248
Electric power generation - Biomass	<1	31,753	91,711	207,783
Electric power generation - All other	<1	56,094	5,160	35,057
Electric power transmission and distribution	7	1,491,942	4,983,660	10,813,749

Appendix

Natural gas distribution	3	955,323	2,969,823	5,224,322
Water, sewage and other systems	5	680,913	1,393,052	2,273,550
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	25	1,942,030	3,071,455	6,921,908
Maintenance and repair construction of residential structures	9	690,637	1,038,806	2,214,281
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	701	1,110	2,454
Dog and cat food manufacturing	2	161,387	397,911	1,615,585
Other animal food manufacturing	2	179,134	371,609	2,616,611
Flour milling	<1	51,028	99,560	694,097
Rice milling	<1	25,725	44,526	277,472
Malt manufacturing	<1	2,144	3,505	35,228
Wet corn milling	<1	23,462	45,505	253,173
Soybean and other oilseed processing	<1	52,043	291,426	3,359,552
Fats and oils refining and blending	<1	42,173	102,146	1,052,378
Breakfast cereal manufacturing	<1	27,399	59,846	272,046
Beet sugar manufacturing	<1	24,868	44,596	188,782
Sugar cane mills and refining	<1	32,080	75,627	346,447
Nonchocolate confectionery manufacturing	1	113,632	155,709	653,154

Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	68,218	98,629	426,333
Confectionery manufacturing from purchased chocolate	1	83,833	114,526	547,833
Frozen fruits, juices and vegetables manufacturing	2	134,524	246,500	958,093
Frozen specialties manufacturing	4	268,057	351,310	1,435,139
Canned fruits and vegetables manufacturing	3	269,798	469,788	1,998,802
Canned specialties	<1	34,474	70,491	309,448
Dehydrated food products manufacturing	<1	70,600	120,446	482,512
Cheese manufacturing	4	325,001	453,523	4,189,176
Dry, condensed, and evaporated dairy product manufacturing	<1	55,796	118,433	684,670
Fluid milk manufacturing	2	177,945	263,947	1,462,181
Creamery butter manufacturing	<1	19,630	60,502	342,805
Ice cream and frozen dessert manufacturing	<1	58,830	80,120	353,959
Frozen cakes and other pastries manufacturing	8	375,024	593,597	984,793
Poultry processing	8	415,428	505,904	2,787,471
Animal, except poultry, slaughtering	5	349,743	445,976	3,433,849
Meat processed from carcasses	5	371,000	381,967	2,863,433
Rendering and meat byproduct processing	<1	57,582	66,553	334,143
Seafood product preparation and packaging	<1	74,330	95,855	483,676
Bread and bakery product, except frozen, manufacturing	17	855,035	1,251,211	2,943,649
Cookie and cracker manufacturing	1	86,946	116,496	487,388
Dry pasta, mixes, and dough manufacturing	1	78,243	160,153	644,800
Tortilla manufacturing	1	75,144	98,047	339,053
Roasted nuts and peanut butter manufacturing	1	121,644	299,606	908,454
Other snack food manufacturing	3	217,247	444,740	1,636,086
Coffee and tea manufacturing	<1	74,050	123,595	681,380
Flavoring syrup and concentrate manufacturing	<1	89,358	541,118	1,379,877
Mayonnaise, dressing, and sauce manufacturing	1	98,839	174,531	732,059
Spice and extract manufacturing	1	116,181	175,811	735,982
All other food manufacturing	6	401,948	547,767	2,592,328
Bottled and canned soft drinks & water	3	308,518	503,257	2,217,180
Manufactured ice	<1	14,562	9,176	38,747

Appendix

Breweries	4	283,904	605,963	1,560,147
Wineries	5	434,359	715,665	1,921,245
Distilleries	<1	82,740	456,555	889,236
Tobacco product manufacturing	<1	8,275	251,865	371,764
Fiber, yarn, and thread mills	<1	50,553	64,585	325,637
Broadwoven fabric mills	<1	69,264	92,513	302,206
Narrow fabric mills and schiffli machine embroidery	<1	7,804	8,574	24,371
Nonwoven fabric mills	<1	5,258	8,181	41,933
Knit fabric mills	<1	12,722	16,350	57,795
Textile and fabric finishing mills	5	325,967	423,192	1,789,917
Fabric coating mills	<1	11,439	14,048	50,347
Carpet and rug mills	<1	52,665	74,832	289,966
Curtain and linen mills	<1	46,949	57,155	183,104
Textile bag and canvas mills	<1	70,147	88,873	253,608
Rope, cordage, twine, tire cord and tire fabric mills	<1	6,097	8,173	24,960
Other textile product mills	1	77,998	90,727	251,424
Hosiery and sock mills	<1	31,132	40,122	78,826
Other apparel knitting mills	<1	17,317	24,462	48,280
Cut and sew apparel contractors	3	117,679	129,725	240,234
Men's and boys' cut and sew apparel manufacturing	2	146,408	169,862	355,863
Women's and girls' cut and sew apparel manufacturing	2	133,364	186,195	532,002
Other cut and sew apparel manufacturing	2	78,313	99,384	233,975
Apparel accessories and other apparel manufacturing	1	71,638	93,448	213,149
Leather and hide tanning and finishing	<1	4,087	5,886	22,412
Footwear manufacturing	<1	57,970	61,745	149,842
Other leather and allied product manufacturing	<1	41,452	45,692	125,667
Sawmills	1	101,393	216,493	651,729
Wood preservation	<1	11,997	44,702	157,192
Veneer and plywood manufacturing	<1	15,408	28,728	86,967
Engineered wood member and truss manufacturing	<1	54,296	107,614	323,486
Reconstituted wood product manufacturing	<1	8,690	34,562	105,174
Wood windows and door manufacturing	2	125,151	192,487	526,151
Cut stock, resawing lumber, and planing	<1	11,803	29,534	77,543

Appendix

Other millwork, including flooring	<1	59,145	115,017	288,291
Wood container and pallet manufacturing	1	86,276	135,797	369,112
Manufactured home (mobile home) manufacturing	<1	123	197	568
Prefabricated wood building manufacturing	<1	7,474	15,896	39,488
All other miscellaneous wood product manufacturing	<1	23,696	39,844	117,010
Pulp mills	0	0	0	0
Paper mills	<1	43,780	117,013	428,454
Paperboard mills	<1	83,925	194,708	668,121
Paperboard container manufacturing	6	604,411	990,131	3,851,810
Paper bag and coated and treated paper manufacturing	2	140,997	240,447	807,138
Stationery product manufacturing	<1	16,078	21,558	81,043
Sanitary paper product manufacturing	<1	73,319	239,488	651,538
All other converted paper product manufacturing	<1	34,332	63,547	197,449
Printing	13	848,609	1,187,411	2,517,563
Support activities for printing	<1	62,108	85,932	139,180
Petroleum refineries	2	612,479	5,576,709	25,160,505
Asphalt paving mixture and block manufacturing	<1	5,931	8,759	34,024
Asphalt shingle and coating materials manufacturing	<1	12,104	45,303	114,224
Petroleum lubricating oil and grease manufacturing	<1	129,802	357,381	1,125,141
All other petroleum and coal products manufacturing	<1	2,690	8,609	32,723
Petrochemical manufacturing	<1	28,856	671,564	1,919,797
Industrial gas manufacturing	1	184,676	743,525	1,633,971
Synthetic dye and pigment manufacturing	<1	31,551	93,750	258,996
Other basic inorganic chemical manufacturing	<1	94,566	335,031	752,504
Other basic organic chemical manufacturing	<1	158,435	611,877	2,597,625
Plastics material and resin manufacturing	1	175,167	454,569	2,414,826
Synthetic rubber manufacturing	<1	9,657	18,621	86,077
Artificial and synthetic fibers and filaments manufacturing	<1	8,644	14,677	58,940
Nitrogenous fertilizer manufacturing	<1	23,168	153,864	458,685

Appendix

Phosphatic fertilizer manufacturing	<1	12,370	55,103	148,415
Fertilizer mixing	<1	17,339	56,031	141,675
Pesticide and other agricultural chemical manufacturing	<1	38,992	241,149	570,654
Medicinal and botanical manufacturing	2	382,508	969,993	1,850,248
Pharmaceutical preparation manufacturing	12	2,306,883	10,343,408	18,062,605
In-vitro diagnostic substance manufacturing	<1	150,905	332,910	591,442
Biological product (except diagnostic) manufacturing	<1	116,829	649,623	1,064,747
Paint and coating manufacturing	1	156,720	507,163	1,489,743
Adhesive manufacturing	<1	91,204	224,611	616,696
Soap and other detergent manufacturing	1	159,845	794,995	1,871,235
Polish and other sanitation good manufacturing	1	146,049	381,436	830,320
Surface active agent manufacturing	<1	4,692	36,809	72,722
Toilet preparation manufacturing	3	315,580	1,674,179	3,354,080
Printing ink manufacturing	<1	36,286	45,098	180,949
Explosives manufacturing	<1	10,842	14,272	47,386
Custom compounding of purchased resins	<1	65,451	167,827	556,690
Photographic film and chemical manufacturing	<1	20,625	74,399	183,045
Other miscellaneous chemical product manufacturing	1	178,017	424,977	1,228,327
Plastics packaging materials and unlaminated film and sheet manufacturing	3	272,891	412,387	1,692,806
Unlaminated plastics profile shape manufacturing	1	101,904	205,521	660,697
Plastics pipe and pipe fitting manufacturing	2	161,947	404,755	1,464,317
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	43,955	67,678	217,369
Polystyrene foam product manufacturing	1	81,400	132,482	531,374
Urethane and other foam product (except polystyrene) manufacturing	2	128,995	202,964	821,906
Plastics bottle manufacturing	2	195,264	285,399	1,149,505
Other plastics product manufacturing	11	883,613	1,226,869	3,947,594
Tire manufacturing	1	86,235	107,598	435,286

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	18,462	27,398	98,576
Other rubber product manufacturing	2	175,022	214,385	772,047
Pottery, ceramics, and plumbing fixture manufacturing	<1	19,361	29,647	64,161
Brick, tile, and other structural clay product manufacturing	<1	17,975	29,992	70,247
Flat glass manufacturing	<1	25,406	48,417	117,983
Other pressed and blown glass and glassware manufacturing	<1	59,195	94,479	219,889
Glass container manufacturing	<1	76,473	118,607	289,371
Glass product manufacturing made of purchased glass	2	137,508	241,071	564,931
Cement manufacturing	<1	28,266	62,256	165,369
Ready-mix concrete manufacturing	1	121,798	195,050	590,025
Concrete block and brick manufacturing	<1	20,354	35,427	88,322
Concrete pipe manufacturing	<1	8,713	14,217	34,381
Other concrete product manufacturing	<1	58,890	86,472	204,033
Lime manufacturing	<1	2,447	5,185	14,482
Gypsum product manufacturing	<1	54,009	147,052	399,933
Abrasive product manufacturing	<1	11,072	23,063	43,441
Cut stone and stone product manufacturing	<1	23,491	30,188	65,913
Ground or treated mineral and earth manufacturing	<1	13,305	30,438	75,957
Mineral wool manufacturing	<1	15,372	39,377	90,625
Miscellaneous nonmetallic mineral products manufacturing	<1	10,593	24,160	51,509
Iron and steel mills and ferroalloy manufacturing	1	207,034	576,026	3,130,463
Iron, steel pipe and tube manufacturing from purchased steel	<1	84,941	200,841	680,699
Rolled steel shape manufacturing	<1	19,633	75,797	309,027
Steel wire drawing	<1	29,776	64,910	245,848
Alumina refining and primary aluminum production	<1	44,803	78,073	314,555
Secondary smelting and alloying of aluminum	<1	26,587	58,190	470,205
Aluminum sheet, plate, and foil manufacturing	<1	53,026	124,873	644,132
Other aluminum rolling, drawing and extruding	1	105,754	165,141	740,391
Nonferrous metal (exc aluminum) smelting and refining	<1	1,856	14,596	44,360



Appendix

Copper rolling, drawing, extruding and alloying	<1	21,528	50,352	442,793
Nonferrous metal, except copper and aluminum, shaping	<1	48,183	61,158	251,999
Secondary processing of other nonferrous metals	<1	7,630	17,069	72,963
Ferrous metal foundries	1	111,788	202,940	490,013
Nonferrous metal foundries	1	111,371	156,821	412,843
Custom roll forming	<1	22,338	31,005	150,700
Crown and closure manufacturing and metal stamping	2	147,128	186,282	576,341
Iron and steel forging	<1	63,264	83,531	307,541
Nonferrous forging	<1	32,212	39,854	138,752
Cutlery, utensil, pot, and pan manufacturing	<1	31,352	62,553	168,891
Handtool manufacturing	<1	58,080	88,125	248,044
Prefabricated metal buildings and components manufacturing	<1	23,483	33,978	112,322
Fabricated structural metal manufacturing	2	162,054	230,151	836,003
Plate work manufacturing	<1	75,680	84,828	268,901
Metal window and door manufacturing	2	129,104	172,595	525,126
Sheet metal work manufacturing	3	244,970	323,270	977,222
Ornamental and architectural metal work manufacturing	1	117,697	140,240	377,416
Power boiler and heat exchanger manufacturing	<1	2,459	3,217	9,342
Metal tank (heavy gauge) manufacturing	<1	11,837	14,179	44,669
Metal cans manufacturing	1	138,751	246,740	1,265,652
Metal barrels, drums and pails manufacturing	<1	35,124	44,729	187,773
Hardware manufacturing	<1	67,622	95,506	302,933
Spring and wire product manufacturing	2	194,136	247,538	816,056
Machine shops	18	1,402,985	1,631,549	3,575,010
Turned product and screw, nut, and bolt manufacturing	2	209,242	260,559	719,761
Metal heat treating	<1	80,363	101,892	256,849
Metal coating and nonprecious engraving	2	157,630	258,165	812,423
Electroplating, anodizing, and coloring metal	3	200,414	216,835	494,966
Valve and fittings, other than plumbing, manufacturing	2	183,668	262,045	800,455
Plumbing fixture fitting and trim manufacturing	<1	46,549	100,492	394,764

## Appendix

Ball and roller bearing manufacturing	<1	72,322	110,382	308,059
Small arms ammunition manufacturing	<1	1,102	2,272	6,585
Ammunition, except for small arms, manufacturing	<1	2,207	2,460	5,287
Small arms, ordnance, and accessories manufacturing	<1	45,353	87,625	232,004
Fabricated pipe and pipe fitting manufacturing	<1	18,508	22,609	65,903
Other fabricated metal manufacturing	2	207,684	267,209	747,923
Farm machinery and equipment manufacturing	<1	9,968	21,351	80,413
Lawn and garden equipment manufacturing	<1	149	299	1,587
Construction machinery manufacturing	<1	1,510	3,827	11,314
Mining machinery and equipment manufacturing	<1	133	217	529
Oil and gas field machinery and equipment manufacturing	<1	1,462	2,043	5,975
Semiconductor machinery manufacturing	<1	7,317	9,300	20,831
Food product machinery manufacturing	<1	1,508	1,806	5,486
Sawmill, woodworking, and paper machinery	<1	1,013	1,194	3,541
Printing machinery and equipment manufacturing	<1	1,661	1,909	5,645
All other industrial machinery manufacturing	<1	9,004	12,380	30,837
Optical instrument and lens manufacturing	0	583	-184	333
Photographic and photocopying equipment manufacturing	<1	3,484	4,512	11,886
Other commercial service industry machinery manufacturing	<1	34,111	62,310	151,752
Air purification and ventilation equipment manufacturing	<1	20,032	27,759	73,850
Heating equipment (except warm air furnaces) manufacturing	<1	47,631	82,762	206,519
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	60,569	120,959	342,636
Industrial mold manufacturing	<1	7,005	9,012	19,912
Special tool, die, jig, and fixture manufacturing	<1	6,822	9,868	18,906

Appendix

Cutting tool and machine tool accessory manufacturing	<1	8,982	11,013	26,774
Machine tool manufacturing	<1	6,568	9,015	25,289
Rolling mill and other metalworking machinery manufacturing	<1	1,888	2,779	7,472
Turbine and turbine generator set units manufacturing	<1	6,137	6,930	18,771
Speed changer, industrial high-speed drive, and gear manufacturing	<1	14,119	22,453	51,706
Mechanical power transmission equipment manufacturing	<1	16,179	25,974	64,582
Other engine equipment manufacturing	<1	8,901	20,419	82,173
Pump and pumping equipment manufacturing	<1	4,374	8,477	23,152
Air and gas compressor manufacturing	<1	7,003	10,333	31,727
Elevator and moving stairway manufacturing	<1	1,425	1,973	5,890
Conveyor and conveying equipment manufacturing	<1	1,471	1,740	5,183
Overhead cranes, hoists, and monorail systems manufacturing	<1	4,751	9,046	30,380
Industrial truck, trailer, and stacker manufacturing	<1	3,007	5,824	20,163
Power-driven handtool manufacturing	<1	2,265	7,589	19,494
Welding and soldering equipment manufacturing	<1	5,543	9,552	27,114
Packaging machinery manufacturing	<1	16,337	26,574	67,292
Industrial process furnace and oven manufacturing	<1	984	1,288	3,156
Fluid power cylinder and actuator manufacturing	<1	3,309	5,208	13,508
Fluid power pump and motor manufacturing	<1	22,396	40,855	106,052
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	5,603	7,393	19,362
Electronic computer manufacturing	4	1,885,949	2,854,802	5,470,203
Computer storage device manufacturing	<1	52,960	89,687	270,918
Computer terminals and other computer peripheral equipment manufacturing	<1	163,872	258,475	548,877
Telephone apparatus manufacturing	<1	21,760	38,385	91,825

Appendix

Broadcast and wireless communications equipment manufacturing	<1	89,201	128,629	273,156
Other communications equipment manufacturing	<1	48,372	86,848	243,347
Audio and video equipment manufacturing	<1	104,816	198,886	605,260
Printed circuit assembly (electronic assembly) manufacturing	5	417,491	723,052	2,619,017
Bare printed circuit board manufacturing	2	206,082	263,666	670,728
Semiconductor and related device manufacturing	19	4,968,194	8,542,075	19,647,422
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	111,298	149,013	383,256
Electronic connector manufacturing	6	609,756	884,082	2,471,534
Other electronic component manufacturing	6	600,192	781,235	1,922,112
Electromedical and electrotherapeutic apparatus manufacturing	<1	40,968	71,861	159,990
Search, detection, and navigation instruments manufacturing	3	413,856	781,899	1,762,698
Automatic environmental control manufacturing	<1	57,686	82,076	171,075
Industrial process variable instruments manufacturing	<1	27,463	43,250	104,494
Totalizing fluid meter and counting device manufacturing	<1	11,030	24,696	55,878
Electricity and signal testing instruments manufacturing	1	185,763	242,976	542,261
Analytical laboratory instrument manufacturing	4	575,276	1,009,914	2,004,066
Irradiation apparatus manufacturing	<1	2,573	5,257	15,416
Watch, clock, and other measuring and controlling device manufacturing	4	675,112	1,010,598	2,102,275
Blank magnetic and optical recording media manufacturing	<1	18,802	77,010	220,574
Software and other prerecorded and record reproducing	<1	49,735	75,536	158,039
Electric lamp bulb and part manufacturing	<1	29,307	38,044	109,382
Lighting fixture manufacturing	1	139,610	162,217	556,348
Small electrical appliance manufacturing	<1	30,115	43,850	152,454

Appendix

Household cooking appliance manufacturing	<1	6,616	9,486	41,968
Household refrigerator and home freezer manufacturing	<1	8,098	11,127	45,106
Household laundry equipment manufacturing	<1	25,275	31,106	139,773
Other major household appliance manufacturing	<1	3,200	4,644	17,748
Power, distribution, and specialty transformer manufacturing	<1	8,896	10,737	29,669
Motor and generator manufacturing	<1	33,784	46,503	136,398
Switchgear and switchboard apparatus manufacturing	<1	28,476	38,926	120,801
Relay and industrial control manufacturing	<1	51,987	59,793	167,238
Storage battery manufacturing	1	131,356	167,522	530,816
Primary battery manufacturing	<1	30,012	14,236	96,758
Fiber optic cable manufacturing	<1	93,318	117,551	447,010
Other communication and energy wire manufacturing	<1	27,702	36,519	200,840
Wiring device manufacturing	1	112,977	156,310	483,281
Carbon and graphite product manufacturing	<1	99,541	129,874	427,446
All other miscellaneous electrical equipment and component manufacturing	4	594,692	644,686	1,614,395
Automobile manufacturing	4	586,940	1,212,314	5,782,757
Light truck and utility vehicle manufacturing	<1	109,011	223,224	1,528,324
Heavy duty truck manufacturing	<1	2,219	3,191	16,260
Motor vehicle body manufacturing	<1	10,431	11,963	48,692
Truck trailer manufacturing	<1	545	601	2,379
Motor home manufacturing	<1	8,380	11,596	57,954
Travel trailer and camper manufacturing	1	87,912	98,562	517,661
Motor vehicle gasoline engine and engine parts manufacturing	<1	77,322	97,574	563,022
Motor vehicle electrical and electronic equipment manufacturing	1	129,917	150,985	634,616
Motor vehicle transmission and power train parts manufacturing	<1	55,739	67,505	393,611
Motor vehicle seating and interior trim manufacturing	<1	51,769	57,069	324,982
Motor vehicle metal stamping	<1	45,445	51,400	236,443
Other motor vehicle parts manufacturing	2	181,558	211,736	1,176,243

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	34,317	39,794	235,092
Aircraft manufacturing	<1	82,492	131,694	334,026
Aircraft engine and engine parts manufacturing	<1	80,886	178,481	353,082
Other aircraft parts and auxiliary equipment manufacturing	8	899,587	1,249,094	2,503,177
Guided missile and space vehicle manufacturing	<1	154,995	241,652	460,447
Propulsion units and parts for space vehicles and guided missiles manufacturing	5	694,784	922,225	1,743,552
Railroad rolling stock manufacturing	<1	3,272	3,601	13,759
Ship building and repairing	<1	11,108	15,009	32,877
Boat building	<1	56,963	85,332	248,274
Motorcycle, bicycle, and parts manufacturing	<1	48,347	178,068	381,927
Military armored vehicle, tank, and tank component manufacturing	1	142,632	297,481	675,638
All other transportation equipment manufacturing	<1	33,671	72,038	269,462
Wood kitchen cabinet and countertop manufacturing	4	300,024	351,750	864,042
Upholstered household furniture manufacturing	3	171,319	183,598	619,481
Nonupholstered wood household furniture manufacturing	<1	60,600	66,076	181,982
Other household nonupholstered furniture manufacturing	<1	33,895	47,407	204,743
Institutional furniture manufacturing	<1	62,326	65,239	197,452
Wood office furniture manufacturing	<1	807	948	2,944
Custom architectural woodwork and millwork	<1	4,816	4,530	11,593
Office furniture, except wood, manufacturing	<1	4,309	6,023	21,020
Showcase, partition, shelving, and locker manufacturing	<1	22,005	26,725	77,913
Mattress manufacturing	<1	63,784	90,990	398,824
Blind and shade manufacturing	<1	16,670	16,700	58,440
Surgical and medical instrument manufacturing	<1	106,009	154,437	290,952
Surgical appliance and supplies manufacturing	2	224,667	398,205	846,152

Appendix

Dental equipment and supplies manufacturing	<1	19,573	30,402	67,216
Ophthalmic goods manufacturing	1	119,858	208,487	406,867
Dental laboratories	3	228,557	255,319	459,855
Jewelry and silverware manufacturing	2	110,921	189,829	474,890
Sporting and athletic goods manufacturing	2	165,117	228,936	648,527
Doll, toy, and game manufacturing	<1	121,792	207,784	464,714
Office supplies (except paper) manufacturing	<1	50,274	71,921	203,083
Sign manufacturing	<1	19,908	18,503	43,343
Gasket, packing, and sealing device manufacturing	<1	36,054	39,975	89,962
Musical instrument manufacturing	<1	13,738	14,925	33,925
Fasteners, buttons, needles, and pins manufacturing	<1	7,592	8,546	18,513
Broom, brush, and mop manufacturing	<1	12,970	17,409	50,353
Burial casket manufacturing	<1	1,144	1,633	4,174
All other miscellaneous manufacturing	1	-36,766	283,091	446,002
Wholesale - Motor vehicle and motor vehicle parts and supplies	5	505,105	1,140,984	2,442,592
Wholesale - Professional and commercial equipment and supplies	15	2,607,977	4,304,437	6,719,383
Wholesale - Household appliances and electrical and electronic goods	10	1,312,741	3,195,898	6,486,608
Wholesale - Machinery, equipment, and supplies	8	883,188	1,722,395	3,031,076
Wholesale - Other durable goods merchant wholesalers	21	2,036,024	3,927,479	7,742,168
Wholesale - Drugs and druggists'sundries	8	1,290,825	3,243,741	6,999,528
Wholesale - Grocery and related product wholesalers	20	1,818,145	2,742,612	5,419,194
Wholesale - Petroleum and petroleum products	2	197,866	4,567,585	5,158,011
Wholesale - Other nondurable goods merchant wholesalers	26	2,469,919	6,602,212	11,576,899
Wholesale - Wholesale electronic markets and agents and brokers	10	1,364,944	1,551,787	1,844,078
Retail - Motor vehicle and parts dealers	18	1,636,219	2,659,831	3,492,457
Retail - Furniture and home furnishings stores	14	872,835	1,314,310	1,992,660

## Appendix

Retail - Electronics and appliance stores	13	895,920	998,492	1,510,995
Retail - Building material and garden equipment and supplies stores	16	892,429	2,156,796	2,840,515
Retail - Food and beverage stores	56	2,815,867	4,450,464	6,481,530
Retail - Health and personal care stores	28	1,592,240	2,251,678	3,200,577
Retail - Gasoline stores	13	1,193,187	2,220,077	3,270,034
Retail - Clothing and clothing accessories stores	28	1,286,394	2,520,078	4,338,352
Retail - Sporting goods, hobby, musical instrument and book stores	18	803,750	1,146,901	1,690,578
Retail - General merchandise stores	47	2,313,672	4,327,461	6,297,721
Retail - Miscellaneous store retailers	40	1,758,922	2,044,775	2,951,342
Retail - Nonstore retailers	46	1,116,376	8,133,242	12,297,321
Air transportation	15	2,065,778	4,802,777	8,783,748
Rail transportation	3	370,780	791,098	1,616,476
Water transportation	2	279,452	596,080	1,679,503
Truck transportation	54	4,398,569	6,333,161	12,983,758
Transit and ground passenger transportation	49	1,704,933	2,673,907	3,433,130
Pipeline transportation	<1	285,802	659,531	982,631
Scenic and sightseeing transportation and support activities for transportation	31	3,394,346	2,931,493	4,149,383
Couriers and messengers	62	1,770,524	3,965,574	4,718,372
Warehousing and storage	48	3,031,287	3,296,175	5,746,285
Newspaper publishers	1	115,718	213,828	285,480
Periodical publishers	<1	118,620	183,715	286,942
Book publishers	1	139,170	437,501	757,419
Directory, mailing list, and other publishers	<1	60,447	167,992	251,064
Greeting card publishing	<1	2,666	10,873	16,500
Software publishers	42	11,920,111	24,976,422	29,582,028
Motion picture and video industries	12	1,808,670	3,173,307	5,084,923
Sound recording industries	<1	116,234	919,569	1,176,347
Radio and television broadcasting	7	3,903,839	4,548,194	7,015,923
Cable and other subscription programming	3	1,884,271	5,654,929	9,769,040
Wired telecommunications carriers	9	1,279,315	1,937,794	4,007,290



Appendix

Wireless telecommunications carriers (except satellite)	3	397,373	1,727,034	5,499,421
Satellite, telecommunications resellers, and all other telecommunications	3	590,164	635,733	1,287,449
Data processing, hosting, and related services	57	12,619,504	29,279,353	54,134,403
News syndicates, libraries, archives and all other information services	3	909,785	1,569,494	2,162,919
Internet publishing and broadcasting and web search portals	12	5,711,900	16,966,889	28,059,704
Nondepository credit intermediation and related activities	25	3,757,453	4,004,325	5,725,246
Securities and commodity contracts intermediation and brokerage	43	5,062,992	3,938,149	6,517,711
Monetary authorities and depository credit intermediation	43	6,120,340	21,364,359	27,899,002
Other financial investment activities	71	7,648,523	8,313,757	16,184,483
Direct life insurance carriers	7	757,991	1,340,154	2,146,820
Insurance carriers, except direct life	24	2,590,135	6,381,083	14,903,037
Insurance agencies, brokerages, and related activities	41	3,977,563	5,560,692	13,400,722
Funds, trusts, and other financial vehicles	22	1,257,268	1,360,427	5,139,003
Other real estate	213	12,547,288	26,349,923	53,271,665
Tenant-occupied housing	24	1,290,809	12,705,512	13,388,224
Owner-occupied dwellings	0	0	38,911,878	47,191,203
Automotive equipment rental and leasing	8	700,483	1,905,358	2,496,124
General and consumer goods rental except video tapes and discs	7	570,939	956,396	1,360,434
Video tape and disc rental	2	141,645	262,698	397,503
Commercial and industrial machinery and equipment rental and leasing	13	1,418,041	3,561,176	4,594,047
Lessors of nonfinancial intangible assets	1	177,962	3,254,174	3,439,512
Legal services	71	9,314,478	15,301,502	20,011,805
Accounting, tax preparation, bookkeeping, and payroll services	66	6,490,020	9,271,010	13,393,909
Architectural, engineering, and related services	122	12,445,760	14,533,438	26,482,176
Specialized design services	6	567,537	1,201,795	1,829,920

Appendix

Custom computer programming services	28	4,073,301	4,135,807	5,385,043
Computer systems design services	35	4,765,047	4,673,705	5,728,720
Other computer related services, including facilities management	12	2,173,521	2,991,618	4,559,290
Management consulting services	386	44,954,449	46,912,391	71,370,081
Environmental and other technical consulting services	21	2,348,671	2,720,336	4,069,772
Scientific research and development services	681	116,168,812	161,235,205	241,712,236
Advertising, public relations, and related services	17	2,039,960	3,900,812	6,409,898
Photographic services	2	104,190	339,184	604,200
Veterinary services	7	497,263	598,653	867,015
Marketing research and all other miscellaneous professional, scientific, and technical services	27	2,853,717	6,376,189	10,989,304
Management of companies and enterprises	88	14,365,646	16,624,358	24,977,681
Office administrative services	40	3,592,236	1,240,509	3,267,906
Facilities support services	29	1,711,469	2,243,734	5,340,831
Employment services	278	15,942,934	21,293,040	34,822,284
Business support services	23	1,704,479	1,458,067	2,332,121
Travel arrangement and reservation services	10	1,064,248	1,632,948	3,788,979
Investigation and security services	37	1,797,385	1,826,404	2,608,322
Services to buildings	75	3,282,028	4,485,151	8,874,852
Landscape and horticultural services	25	1,306,675	1,572,395	2,876,607
Other support services	12	806,218	995,569	1,916,711
Waste management and remediation services	12	1,157,940	1,956,800	3,708,363
Elementary and secondary schools	26	1,744,605	1,360,538	1,604,510
Junior colleges, colleges, universities, and professional schools	295	19,453,933	23,790,386	30,461,621
Other educational services	41	2,077,970	2,301,444	4,313,752
Offices of physicians	68	7,974,623	8,057,714	11,484,871
Offices of dentists	29	2,031,666	2,586,258	3,494,186
Offices of other health practitioners	28	1,630,585	2,786,960	3,505,683
Outpatient care centers	38	4,270,398	4,250,292	5,939,451
Medical and diagnostic laboratories	13	1,395,520	2,571,583	3,254,968
Home health care services	32	1,780,674	1,785,361	2,280,300

Appendix

Other ambulatory health care services	9	660,564	826,050	1,204,143
Hospitals	90	11,087,249	13,037,608	21,506,584
Nursing and community care facilities	34	2,013,844	2,122,360	3,310,662
Residential mental retardation, mental health, substance abuse and other facilities	15	914,535	936,529	1,347,048
Individual and family services	123	3,546,826	3,362,618	4,928,441
Child day care services	21	929,077	1,786,894	2,148,798
Community food, housing, and other relief services, including rehabilitation services	19	863,389	823,245	1,707,470
Performing arts companies	10	666,874	850,563	1,314,747
Commercial Sports Except Racing	12	1,175,386	564,003	854,239
Racing and Track Operation	1	75,951	103,208	171,774
Independent artists, writers, and performers	14	1,153,717	1,815,987	2,439,004
Promoters of performing arts and sports and agents for public figures	18	1,186,883	1,820,213	3,326,254
Museums, historical sites, zoos, and parks	3	209,772	225,787	378,433
Amusement parks and arcades	6	260,981	324,411	403,208
Gambling industries (except casino hotels)	12	648,258	1,823,260	2,377,409
Other amusement and recreation industries	14	573,002	458,195	657,704
Fitness and recreational sports centers	14	411,287	437,497	705,217
Bowling centers	1	54,633	73,674	110,519
Hotels and motels, including casino hotels	137	7,076,358	13,568,098	19,501,932
Other accommodations	39	2,378,617	2,822,403	3,538,407
Full-service restaurants	151	6,150,204	9,143,631	15,979,540
Limited-service restaurants	136	4,583,677	7,064,246	14,930,934
All other food and drinking places	92	3,854,474	5,410,177	8,278,785
Automotive repair and maintenance, except car washes	50	3,608,421	4,148,182	5,773,374
Car washes	23	1,699,013	2,622,142	3,677,234
Electronic and precision equipment repair and maintenance	132	13,131,636	17,830,831	25,688,284
Commercial and industrial machinery and equipment repair and maintenance	26	2,187,495	2,524,613	3,784,055
Personal and household goods repair and maintenance	7	457,444	875,593	1,190,591

Appendix

Personal care services	49	1,315,769	688,773	930,178
Death care services	9	316,233	195,286	289,289
Dry-cleaning and laundry services	22	666,352	371,894	523,522
Other personal services	34	1,111,190	1,380,067	1,987,573
Religious organizations	54	3,661,690	1,458,063	4,747,622
Grantmaking, giving, and social advocacy organizations	15	1,207,311	3,213,212	4,528,407
Business and professional associations	5	508,051	780,552	1,233,439
Labor and civic organizations	14	689,489	1,792,036	2,792,896
Private households	31	659,478	659,478	661,804
Postal service	15	1,611,222	1,621,819	1,632,575
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	97,714	297,626	548,561
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	7	747,116	-266,842	70,908
Local government electric utilities	5	850,427	1,726,338	3,632,344
Other local government enterprises	29	3,708,949	4,874,120	12,478,262
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	<1	753	892	892

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	535	99,627,767	136,833,550	232,444,077

## Colorado

## NASA

Table 643: Detailed NASA Impacts by Types of Impact, Colorado

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>21,616</i>	<i>1,895,458,272</i>	<i>2,826,929,317</i>	<i>5,104,579,834</i>
Oilseed farming	<1	38,356	11,897	372,161
Grain farming	46	2,712,909	-307,456	18,403,167
Vegetable and melon farming	8	354,704	340,512	1,253,642
Fruit farming	2	60,063	55,195	171,154
Tree nut farming	<1	62	58	185
Greenhouse, nursery, and floriculture production	12	498,622	496,824	1,320,416
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	4	228,614	227,941	615,185
All other crop farming	32	482,121	453,021	1,278,107
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	57	1,170,373	845,704	11,969,689
Dairy cattle and milk production	9	417,005	385,525	4,476,756
Poultry and egg production	3	138,935	146,487	1,930,003
Animal production, except cattle and poultry and eggs	22	980,635	890,220	4,167,074
Forestry, forest products, and timber tract production	<1	43,602	49,943	66,164
Commercial logging	2	96,943	141,534	236,090
Commercial fishing	0	0	0	0
Commercial hunting and trapping	1	4,907	160,640	197,235
Support activities for agriculture and forestry	61	1,793,356	1,888,638	2,211,148
Oil and gas extraction	22	14,052,441	24,863,895	41,496,305
Coal mining	3	337,531	959,190	1,645,896
Copper, nickel, lead, and zinc mining	10	996,470	4,016,461	7,029,825
Iron ore mining	0	0	0	0
Gold ore mining	4	368,431	953,563	1,921,953
Silver ore mining	<1	93,067	180,157	367,224
Uranium-radium-vanadium ore mining	1	194,534	487,845	908,709
Other metal ore mining	<1	46,790	91,246	173,597
Stone mining and quarrying	1	95,674	327,693	589,136
Sand and gravel mining	2	165,603	300,315	569,306

## Appendix

Other clay, ceramic, refractory minerals mining	<1	3,774	7,063	13,036
Potash, soda, and borate mineral mining	<1	26,536	38,458	63,510
Phosphate rock mining	<1	6,588	11,588	19,285
Other chemical and fertilizer mineral mining	<1	10,978	16,111	26,779
Other nonmetallic minerals	<1	70,423	118,570	192,587
Drilling oil and gas wells	<1	3,408	7,845	11,465
Support activities for oil and gas operations	<1	76,424	123,321	201,197
Metal mining services	2	821,300	1,518,834	3,268,712
Other nonmetallic minerals services	<1	24,728	46,796	90,304
Electric power generation - Hydroelectric	<1	28,093	61,981	120,866
Electric power generation - Fossil fuel	3	558,401	1,845,985	4,290,913
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	1	303,336	623,344	1,035,414
Electric power generation - Wind	1	365,790	2,482,975	4,419,270
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	27,122	70,530	165,720
Electric power generation - All other	<1	5,625	373	2,605
Electric power transmission and distribution	29	5,977,451	19,166,693	43,877,001
Natural gas distribution	6	1,774,734	5,533,578	9,678,917
Water, sewage and other systems	3	326,709	645,492	1,120,142
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	73	5,457,759	8,677,111	19,673,945
Maintenance and repair construction of residential structures	37	2,592,445	3,834,284	8,497,209
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3,566	5,646	12,864
Dog and cat food manufacturing	4	394,950	1,141,533	3,971,224
Other animal food manufacturing	4	371,812	695,843	4,783,490
Flour milling	1	149,619	345,431	1,746,614
Rice milling	0	0	0	0
Malt manufacturing	<1	21,220	40,014	208,210
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	10,638	76,654	690,582
Fats and oils refining and blending	<1	14,235	42,576	427,293
Breakfast cereal manufacturing	3	332,856	910,077	3,130,481
Beet sugar manufacturing	2	145,576	311,050	1,311,546
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	2	204,431	302,099	1,193,034
Chocolate and confectionery manufacturing from cacao beans	<1	1,434	2,240	13,944
Confectionery manufacturing from purchased chocolate	2	120,457	187,038	913,517
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	5	425,969	609,371	2,159,056
Canned fruits and vegetables manufacturing	<1	16,269	33,726	146,136
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	13,952	27,537	114,694
Cheese manufacturing	5	539,837	800,340	5,136,539
Dry, condensed, and evaporated dairy product manufacturing	<1	88,975	233,759	839,403
Fluid milk manufacturing	4	348,241	593,225	2,910,052
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	1	102,646	153,177	604,196



## Appendix

Frozen cakes and other pastries manufacturing	10	490,294	733,590	1,250,146
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	22	1,703,219	2,133,511	16,444,596
Meat processed from carcasses	9	615,926	612,973	4,917,799
Rendering and meat byproduct processing	<1	28,400	34,990	177,473
Seafood product preparation and packaging	<1	59,711	87,717	489,971
Bread and bakery product, except frozen, manufacturing	28	1,534,042	2,317,768	5,188,541
Cookie and cracker manufacturing	<1	11,101	16,707	59,634
Dry pasta, mixes, and dough manufacturing	3	252,337	633,955	1,798,330
Tortilla manufacturing	2	147,679	204,678	640,428
Roasted nuts and peanut butter manufacturing	1	118,053	210,794	834,330
Other snack food manufacturing	5	395,634	1,062,275	3,254,380
Coffee and tea manufacturing	2	132,046	263,751	1,248,259
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	53,200	109,546	443,713
Spice and extract manufacturing	<1	54,907	95,015	373,610
All other food manufacturing	9	691,062	1,025,725	4,064,494
Bottled and canned soft drinks & water	8	726,699	1,414,571	5,773,886
Manufactured ice	<1	42,482	32,631	116,460
Breweries	16	1,175,660	2,504,973	5,879,105
Wineries	3	121,947	241,305	1,006,353
Distilleries	3	192,472	956,822	2,396,210
Tobacco product manufacturing	<1	16,786	624,339	1,084,107
Fiber, yarn, and thread mills	<1	214	267	3,489
Broadwoven fabric mills	<1	492	567	4,998
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4,835	5,175	35,851
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	11,633	13,503	78,599
Curtain and linen mills	<1	6,029	6,134	19,996
Textile bag and canvas mills	1	76,431	77,358	286,792
Rope, cordage, twine, tire cord and tire fabric mills	<1	38,114	39,145	165,579

## Appendix

Other textile product mills	1	48,135	49,303	179,040
Hosiery and sock mills	<1	2,124	3,835	8,068
Other apparel knitting mills	<1	3,336	5,916	13,128
Cut and sew apparel contractors	<1	16,274	18,812	46,165
Men's and boys' cut and sew apparel manufacturing	<1	11,211	12,161	42,083
Women's and girls' cut and sew apparel manufacturing	<1	15,053	14,923	100,387
Other cut and sew apparel manufacturing	<1	6,783	7,814	29,907
Apparel accessories and other apparel manufacturing	<1	20,780	20,628	83,178
Leather and hide tanning and finishing	<1	815	830	9,061
Footwear manufacturing	<1	439	452	3,007
Other leather and allied product manufacturing	<1	3,304	3,276	18,395
Sawmills	2	96,883	159,080	793,701
Wood preservation	<1	32,798	81,096	397,454
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	2	110,791	168,185	602,984
Reconstituted wood product manufacturing	<1	17,188	46,313	186,119
Wood windows and door manufacturing	6	478,560	607,042	1,829,406
Cut stock, resawing lumber, and planing	<1	18,955	33,826	120,350
Other millwork, including flooring	3	172,121	252,811	787,852
Wood container and pallet manufacturing	2	106,195	135,302	432,612
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	38,863	59,732	196,727
All other miscellaneous wood product manufacturing	<1	34,205	44,606	174,782
Pulp mills	0	0	0	0
Paper mills	<1	81,660	33,486	339,869
Paperboard mills	0	0	0	0
Paperboard container manufacturing	7	1,429,284	1,204,869	4,491,866
Paper bag and coated and treated paper manufacturing	<1	113,092	87,941	331,225
Stationery product manufacturing	<1	4,836	4,417	17,207

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	44,525	32,793	129,425
Printing	40	2,691,969	3,644,351	7,716,630
Support activities for printing	1	69,869	94,478	167,761
Petroleum refineries	2	938,494	4,338,101	29,238,888
Asphalt paving mixture and block manufacturing	<1	32,439	40,932	176,887
Asphalt shingle and coating materials manufacturing	<1	68,993	153,105	391,856
Petroleum lubricating oil and grease manufacturing	<1	57,706	110,881	335,543
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	1	119,262	250,039	1,107,930
Synthetic dye and pigment manufacturing	<1	3,349	5,224	31,637
Other basic inorganic chemical manufacturing	1	111,240	184,345	788,343
Other basic organic chemical manufacturing	<1	59,187	110,358	1,118,499
Plastics material and resin manufacturing	<1	49,302	74,214	672,095
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	18,647	45,963	362,606
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	20,480	30,808	131,324
Pesticide and other agricultural chemical manufacturing	<1	6,689	16,430	120,091
Medicinal and botanical manufacturing	2	197,551	236,504	979,236
Pharmaceutical preparation manufacturing	3	342,937	616,271	2,275,226
In-vitro diagnostic substance manufacturing	<1	1,613	1,900	6,851
Biological product (except diagnostic) manufacturing	<1	70,066	134,230	364,841
Paint and coating manufacturing	<1	52,113	79,374	414,046
Adhesive manufacturing	<1	87,354	111,324	525,756
Soap and other detergent manufacturing	2	200,203	368,661	1,752,856
Polish and other sanitation good manufacturing	2	154,498	194,670	727,184

## Appendix

Surface active agent manufacturing	<1	34,640	89,877	343,413
Toilet preparation manufacturing	1	110,166	212,531	882,395
Printing ink manufacturing	<1	6,192	6,533	26,789
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	4,186	6,083	32,081
Photographic film and chemical manufacturing	4	323,355	529,251	2,626,848
Other miscellaneous chemical product manufacturing	2	244,932	312,058	1,439,224
Plastics packaging materials and unlaminated film and sheet manufacturing	1	102,553	154,874	591,488
Unlaminated plastics profile shape manufacturing	1	77,046	155,806	660,369
Plastics pipe and pipe fitting manufacturing	2	108,174	269,995	1,099,363
Laminated plastics plate, sheet (except packaging), and shape manufacturing	2	217,396	335,261	825,813
Polystyrene foam product manufacturing	1	83,574	137,943	521,340
Urethane and other foam product (except polystyrene) manufacturing	2	126,317	200,510	794,971
Plastics bottle manufacturing	1	74,116	109,802	552,433
Other plastics product manufacturing	19	1,474,501	2,082,129	6,845,837
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	2	248,806	367,572	805,262
Other rubber product manufacturing	5	632,621	770,489	2,005,710
Pottery, ceramics, and plumbing fixture manufacturing	2	104,351	160,901	382,748
Brick, tile, and other structural clay product manufacturing	1	82,233	134,599	347,744
Flat glass manufacturing	<1	69,515	130,294	288,781
Other pressed and blown glass and glassware manufacturing	1	106,126	171,194	476,241
Glass container manufacturing	2	179,815	280,179	666,083
Glass product manufacturing made of purchased glass	3	258,493	447,559	1,139,064
Cement manufacturing	<1	69,626	151,937	446,472
Ready-mix concrete manufacturing	5	408,752	644,993	2,121,559
Concrete block and brick manufacturing	1	115,480	196,287	507,087
Concrete pipe manufacturing	<1	27,874	44,965	127,520

## Appendix

Other concrete product manufacturing	2	171,304	246,708	641,401
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	62,955	168,349	425,282
Abrasive product manufacturing	<1	7,408	15,304	31,325
Cut stone and stone product manufacturing	2	159,491	203,078	472,093
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	19,993	50,342	142,190
Miscellaneous nonmetallic mineral products manufacturing	<1	21,572	47,226	115,511
Iron and steel mills and ferroalloy manufacturing	5	550,316	1,039,571	8,895,836
Iron, steel pipe and tube manufacturing from purchased steel	<1	27,549	46,711	321,859
Rolled steel shape manufacturing	<1	27,442	63,752	329,520
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	62,220	102,469	569,620
Other aluminum rolling, drawing and extruding	<1	11,876	14,869	90,937
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	8,386	13,227	180,665
Nonferrous metal, except copper and aluminum, shaping	<1	39,811	44,879	210,394
Secondary processing of other nonferrous metals	<1	152	247	2,114
Ferrous metal foundries	<1	2,859	3,744	12,682
Nonferrous metal foundries	<1	42,590	50,030	154,059
Custom roll forming	<1	1,907	3,147	18,222
Crown and closure manufacturing and metal stamping	<1	39,081	56,154	158,967
Iron and steel forging	1	71,185	109,760	437,872
Nonferrous forging	1	71,586	101,418	378,977
Cutlery, utensil, pot, and pan manufacturing	<1	84,724	232,305	572,690
Handtool manufacturing	<1	9,880	18,680	39,557
Prefabricated metal buildings and components manufacturing	<1	40,335	69,793	231,811

## Appendix

Fabricated structural metal manufacturing	4	305,817	529,633	1,763,902
Plate work manufacturing	2	176,276	211,178	657,472
Metal window and door manufacturing	<1	73,060	114,871	304,356
Sheet metal work manufacturing	4	257,400	395,810	1,154,786
Ornamental and architectural metal work manufacturing	3	223,729	296,137	828,753
Power boiler and heat exchanger manufacturing	<1	2,783	4,342	11,833
Metal tank (heavy gauge) manufacturing	<1	22,289	29,883	90,567
Metal cans manufacturing	3	198,590	453,946	2,389,399
Metal barrels, drums and pails manufacturing	<1	26,828	38,867	167,185
Hardware manufacturing	2	170,704	287,357	873,012
Spring and wire product manufacturing	2	103,345	150,978	501,197
Machine shops	13	950,934	1,207,373	2,619,422
Turned product and screw, nut, and bolt manufacturing	2	147,599	207,898	586,259
Metal heat treating	<1	17,861	26,007	63,837
Metal coating and nonprecious engraving	4	291,074	613,334	1,632,770
Electroplating, anodizing, and coloring metal	2	109,601	123,566	278,513
Valve and fittings, other than plumbing, manufacturing	1	128,628	220,132	565,487
Plumbing fixture fitting and trim manufacturing	<1	91,996	270,215	723,661
Ball and roller bearing manufacturing	<1	15,056	28,720	81,523
Small arms ammunition manufacturing	<1	2,542	7,247	16,912
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	1	111,198	289,126	687,192
Fabricated pipe and pipe fitting manufacturing	<1	13,389	18,459	47,891
Other fabricated metal manufacturing	3	222,949	330,216	959,000
Farm machinery and equipment manufacturing	<1	17,779	23,861	135,653
Lawn and garden equipment manufacturing	<1	12,179	16,406	101,528
Construction machinery manufacturing	<1	2,395	3,685	17,399
Mining machinery and equipment manufacturing	<1	2,031	2,242	9,105

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	3,551	3,896	14,216
Semiconductor machinery manufacturing	<1	30,880	34,275	164,066
Food product machinery manufacturing	<1	660	687	2,129
Sawmill, woodworking, and paper machinery	<1	617	665	2,748
Printing machinery and equipment manufacturing	<1	736	762	2,501
All other industrial machinery manufacturing	<1	3,854	4,123	12,424
Optical instrument and lens manufacturing	<1	13,241	15,092	48,422
Photographic and photocopying equipment manufacturing	<1	2,555	2,720	10,214
Other commercial service industry machinery manufacturing	<1	33,385	38,718	162,929
Air purification and ventilation equipment manufacturing	<1	33,926	37,199	123,390
Heating equipment (except warm air furnaces) manufacturing	<1	18,655	21,709	70,807
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	100,612	121,184	487,920
Industrial mold manufacturing	<1	14,770	15,543	35,961
Special tool, die, jig, and fixture manufacturing	<1	1,310	1,400	3,421
Cutting tool and machine tool accessory manufacturing	<1	6,384	6,647	16,677
Machine tool manufacturing	<1	9,684	10,334	31,794
Rolling mill and other metalworking machinery manufacturing	<1	7,413	8,106	24,450
Turbine and turbine generator set units manufacturing	<1	3,232	3,365	13,774
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,556	1,709	4,653
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	2	221,847	308,085	1,546,551
Pump and pumping equipment manufacturing	<1	799	948	4,541
Air and gas compressor manufacturing	<1	1,700	1,871	7,153
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	14,069	14,839	42,363
Overhead cranes, hoists, and monorail systems manufacturing	<1	7,905	9,107	37,063
Industrial truck, trailer, and stacker manufacturing	<1	3,787	4,404	17,297
Power-driven handtool manufacturing	<1	6,002	9,289	33,430
Welding and soldering equipment manufacturing	<1	2,586	3,191	9,732
Packaging machinery manufacturing	<1	1,886	2,103	7,222
Industrial process furnace and oven manufacturing	<1	179	186	432
Fluid power cylinder and actuator manufacturing	<1	68,101	77,479	212,152
Fluid power pump and motor manufacturing	<1	2,258	2,599	8,988
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4,687	4,939	14,356
Electronic computer manufacturing	<1	65,306	87,473	245,375
Computer storage device manufacturing	<1	73,991	108,363	369,148
Computer terminals and other computer peripheral equipment manufacturing	<1	110,934	154,294	385,181
Telephone apparatus manufacturing	<1	5,324	8,475	24,448
Broadcast and wireless communications equipment manufacturing	<1	28,726	37,023	104,788
Other communications equipment manufacturing	<1	38,227	58,499	153,576
Audio and video equipment manufacturing	<1	1,576	2,645	21,156
Printed circuit assembly (electronic assembly) manufacturing	2	181,295	270,128	936,380
Bare printed circuit board manufacturing	<1	63,169	75,747	214,739
Semiconductor and related device manufacturing	1	175,449	291,522	1,030,857
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3,412	4,210	13,927
Electronic connector manufacturing	<1	1,804	2,351	7,408
Other electronic component manufacturing	<1	31,868	39,104	143,866



Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	21,841	32,446	88,899
Search, detection, and navigation instruments manufacturing	63	9,905,005	17,061,350	37,770,444
Automatic environmental control manufacturing	<1	18,041	23,224	56,593
Industrial process variable instruments manufacturing	<1	59,226	83,308	199,414
Totalizing fluid meter and counting device manufacturing	<1	9,638	18,047	44,610
Electricity and signal testing instruments manufacturing	<1	68,462	81,071	204,652
Analytical laboratory instrument manufacturing	5	743,950	1,137,521	2,583,735
Irradiation apparatus manufacturing	<1	137	231	809
Watch, clock, and other measuring and controlling device manufacturing	<1	13,315	18,201	68,503
Blank magnetic and optical recording media manufacturing	<1	88,609	267,498	798,006
Software and other prerecorded and record reproducing	<1	162,338	220,838	431,593
Electric lamp bulb and part manufacturing	<1	13,961	17,167	49,848
Lighting fixture manufacturing	<1	40,556	45,495	186,258
Small electrical appliance manufacturing	<1	1,883	2,631	14,115
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	364	416	1,717
Motor and generator manufacturing	<1	35,532	44,999	146,079
Switchgear and switchboard apparatus manufacturing	<1	15,139	18,791	78,027
Relay and industrial control manufacturing	<1	3,877	4,318	16,633
Storage battery manufacturing	<1	81,810	98,633	333,295
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	10,562	12,410	44,867

## Appendix

Other communication and energy wire manufacturing	<1	2,072	2,479	10,390
Wiring device manufacturing	<1	8,645	11,430	53,251
Carbon and graphite product manufacturing	<1	44,326	53,190	207,852
All other miscellaneous electrical equipment and component manufacturing	3	328,024	351,096	1,133,553
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	4,501	6,645	24,263
Truck trailer manufacturing	<1	631	922	3,870
Motor home manufacturing	<1	49,122	98,232	304,164
Travel trailer and camper manufacturing	4	330,947	428,953	1,765,261
Motor vehicle gasoline engine and engine parts manufacturing	<1	26,936	49,883	214,094
Motor vehicle electrical and electronic equipment manufacturing	1	84,453	129,530	617,150
Motor vehicle transmission and power train parts manufacturing	2	237,778	396,171	1,434,281
Motor vehicle seating and interior trim manufacturing	<1	36,904	46,689	195,357
Motor vehicle metal stamping	<1	16,969	23,402	82,013
Other motor vehicle parts manufacturing	3	219,629	343,565	1,436,544
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	1	123,414	211,610	824,873
Aircraft manufacturing	<1	2,733	5,707	11,855
Aircraft engine and engine parts manufacturing	<1	36	116	290
Other aircraft parts and auxiliary equipment manufacturing	<1	37,525	60,579	102,341
Guided missile and space vehicle manufacturing	62	10,667,438	21,680,692	38,453,139
Propulsion units and parts for space vehicles and guided missiles manufacturing	4	674,167	1,148,843	1,820,037
Railroad rolling stock manufacturing	<1	666	779	3,449
Ship building and repairing	0	0	0	0
Boat building	<1	54,723	97,105	249,422
Motorcycle, bicycle, and parts manufacturing	<1	35,160	185,911	350,556

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,206	3,426	12,983
Wood kitchen cabinet and countertop manufacturing	4	232,078	298,446	732,785
Upholstered household furniture manufacturing	<1	2,552	2,853	11,733
Nonupholstered wood household furniture manufacturing	1	73,634	85,054	255,289
Other household nonupholstered furniture manufacturing	<1	9,870	16,141	79,584
Institutional furniture manufacturing	<1	2,755	2,942	9,844
Wood office furniture manufacturing	<1	966	1,237	3,724
Custom architectural woodwork and millwork	<1	8,094	7,945	23,077
Office furniture, except wood, manufacturing	<1	569	949	3,096
Showcase, partition, shelving, and locker manufacturing	<1	25,445	34,533	108,222
Mattress manufacturing	2	99,805	173,925	696,239
Blind and shade manufacturing	1	101,042	101,454	283,229
Surgical and medical instrument manufacturing	1	122,789	272,577	486,376
Surgical appliance and supplies manufacturing	1	105,019	315,724	626,647
Dental equipment and supplies manufacturing	<1	1,068	2,655	5,568
Ophthalmic goods manufacturing	<1	9,886	30,653	55,124
Dental laboratories	<1	47,734	62,077	112,821
Jewelry and silverware manufacturing	2	132,550	250,097	638,698
Sporting and athletic goods manufacturing	1	75,454	149,768	419,847
Doll, toy, and game manufacturing	<1	49,424	155,343	420,311
Office supplies (except paper) manufacturing	<1	13,730	31,681	84,986
Sign manufacturing	2	159,571	157,989	420,166
Gasket, packing, and sealing device manufacturing	1	84,447	108,306	252,028
Musical instrument manufacturing	<1	1,836	2,319	6,907
Fasteners, buttons, needles, and pins manufacturing	<1	2,543	3,528	10,516

## Appendix

Broom, brush, and mop manufacturing	<1	3,067	6,504	19,715
Burial casket manufacturing	<1	2,455	4,839	13,841
All other miscellaneous manufacturing	3	210,841	382,954	891,962
Wholesale - Motor vehicle and motor vehicle parts and supplies	18	1,610,501	3,192,900	7,463,617
Wholesale - Professional and commercial equipment and supplies	52	7,941,088	11,628,028	19,745,036
Wholesale - Household appliances and electrical and electronic goods	29	4,192,602	9,118,581	18,922,077
Wholesale - Machinery, equipment, and supplies	36	3,968,471	6,805,908	12,577,574
Wholesale - Other durable goods merchant wholesalers	62	6,536,607	10,832,567	22,232,639
Wholesale - Drugs and druggists'sundries	23	4,015,280	8,827,121	19,922,909
Wholesale - Grocery and related product wholesalers	56	5,125,771	7,311,455	14,676,012
Wholesale - Petroleum and petroleum products	8	1,198,126	7,215,464	9,625,682
Wholesale - Other nondurable goods merchant wholesalers	83	8,797,317	16,136,335	31,990,928
Wholesale - Wholesale electronic markets and agents and brokers	19	2,517,930	2,812,023	3,336,306
Retail - Motor vehicle and parts dealers	66	5,446,497	7,977,736	10,906,365
Retail - Furniture and home furnishings stores	47	2,847,647	3,963,785	6,228,233
Retail - Electronics and appliance stores	43	2,676,061	2,677,337	4,375,771
Retail - Building material and garden equipment and supplies stores	53	2,694,640	5,629,707	7,894,246
Retail - Food and beverage stores	189	8,991,688	12,949,886	19,744,550
Retail - Health and personal care stores	82	4,402,245	5,696,288	8,443,582
Retail - Gasoline stores	58	2,410,601	5,642,433	10,146,646
Retail - Clothing and clothing accessories stores	83	3,141,389	5,585,727	10,862,517
Retail - Sporting goods, hobby, musical instrument and book stores	64	2,629,908	3,565,441	5,520,947
Retail - General merchandise stores	176	7,034,567	11,888,491	19,067,010
Retail - Miscellaneous store retailers	151	5,753,450	6,125,313	9,549,554
Retail - Nonstore retailers	176	3,802,897	21,631,326	37,345,299
Air transportation	83	11,562,522	24,973,852	46,445,487

## Appendix

Rail transportation	15	2,048,623	7,868,676	11,944,117
Water transportation	8	-560,915	-524,841	3,701,684
Truck transportation	241	19,674,139	27,283,830	56,640,341
Transit and ground passenger transportation	155	3,018,737	4,122,308	6,585,161
Pipeline transportation	4	14,337,868	10,388,058	11,041,390
Scenic and sightseeing transportation and support activities for transportation	107	9,062,920	7,413,483	11,678,030
Couriers and messengers	243	4,919,155	8,960,916	11,952,214
Warehousing and storage	114	7,144,127	7,614,875	13,381,061
Newspaper publishers	10	815,230	1,295,836	1,913,102
Periodical publishers	7	853,388	1,175,767	2,034,291
Book publishers	6	606,732	1,504,943	3,290,656
Directory, mailing list, and other publishers	4	617,223	1,396,084	2,185,279
Greeting card publishing	<1	48,969	155,814	286,046
Software publishers	93	18,164,507	32,554,097	42,919,076
Motion picture and video industries	24	1,743,604	3,286,748	7,263,698
Sound recording industries	2	140,799	1,371,606	2,196,761
Radio and television broadcasting	30	5,436,683	8,138,853	19,867,658
Cable and other subscription programming	11	1,878,531	11,792,367	26,894,407
Wired telecommunications carriers	44	4,832,355	13,027,810	22,610,044
Wireless telecommunications carriers (except satellite)	6	602,702	7,429,953	15,939,869
Satellite, telecommunications resellers, and all other telecommunications	11	1,058,434	1,338,695	3,844,923
Data processing, hosting, and related services	73	12,068,254	24,345,257	55,906,226
News syndicates, libraries, archives and all other information services	9	1,032,376	1,538,899	3,206,213
Internet publishing and broadcasting and web search portals	20	2,951,212	7,041,422	27,871,569
Nondepository credit intermediation and related activities	105	13,595,206	14,395,730	21,625,431
Securities and commodity contracts intermediation and brokerage	185	11,797,877	10,435,557	22,470,751
Monetary authorities and depository credit intermediation	164	17,471,807	61,310,509	87,145,133

## Appendix

Other financial investment activities	252	14,108,079	17,017,272	46,384,745
Direct life insurance carriers	29	4,160,947	7,451,393	10,346,123
Insurance carriers, except direct life	107	10,848,750	29,073,846	66,588,966
Insurance agencies, brokerages, and related activities	110	10,973,675	16,319,970	37,235,681
Funds, trusts, and other financial vehicles	75	1,350,476	1,675,213	14,638,718
Other real estate	1,216	53,329,920	121,270,309	273,621,008
Tenant-occupied housing	119	5,067,096	38,308,548	41,281,546
Owner-occupied dwellings	0	0	139,873,822	168,804,539
Automotive equipment rental and leasing	27	1,983,260	5,118,450	7,165,478
General and consumer goods rental except video tapes and discs	31	2,057,145	3,213,013	4,914,309
Video tape and disc rental	8	614,284	930,828	1,464,391
Commercial and industrial machinery and equipment rental and leasing	22	2,226,764	5,220,023	6,995,964
Lessors of nonfinancial intangible assets	6	743,280	11,626,045	12,460,575
Legal services	338	39,773,758	56,265,357	78,442,797
Accounting, tax preparation, bookkeeping, and payroll services	165	15,901,485	21,030,807	31,136,149
Architectural, engineering, and related services	329	34,149,793	38,069,396	65,053,642
Specialized design services	20	1,626,514	2,918,974	4,980,803
Custom computer programming services	75	9,614,672	10,065,234	13,320,151
Computer systems design services	85	10,616,133	10,647,045	13,178,664
Other computer related services, including facilities management	53	7,202,080	11,096,466	17,869,293
Management consulting services	624	74,685,027	77,122,863	116,311,923
Environmental and other technical consulting services	71	7,621,345	8,590,045	13,118,562
Scientific research and development services	6,477	742,456,989	931,729,501	1,716,104,645
Advertising, public relations, and related services	119	10,981,393	17,527,010	35,148,468
Photographic services	8	426,967	1,143,757	2,243,023
Veterinary services	36	2,207,897	2,525,644	3,833,640
Marketing research and all other miscellaneous professional, scientific, and technical services	176	19,465,926	35,412,085	65,022,186
Management of companies and enterprises	498	83,106,807	93,449,492	139,887,751

## Appendix

Office administrative services	49	4,460,455	1,421,414	3,880,274
Facilities support services	23	1,380,667	1,774,722	4,204,577
Employment services	638	41,969,218	54,386,970	85,000,288
Business support services	132	8,460,080	7,045,632	11,960,930
Travel arrangement and reservation services	34	2,376,693	3,499,504	10,807,754
Investigation and security services	105	5,326,215	5,392,603	7,598,238
Services to buildings	164	6,391,145	8,467,860	18,058,412
Landscape and horticultural services	103	5,297,902	6,233,436	11,520,900
Other support services	53	3,888,572	4,754,328	8,824,930
Waste management and remediation services	40	3,418,768	5,159,569	10,870,557
Elementary and secondary schools	44	2,208,915	1,713,976	2,119,333
Junior colleges, colleges, universities, and professional schools	280	13,154,011	15,874,548	22,454,619
Other educational services	83	4,341,015	4,726,921	8,814,856
Offices of physicians	224	26,318,407	26,345,355	37,401,061
Offices of dentists	96	7,030,817	8,173,891	11,108,427
Offices of other health practitioners	106	6,230,995	8,927,789	11,572,594
Outpatient care centers	98	8,277,221	8,107,673	12,417,289
Medical and diagnostic laboratories	27	2,321,128	3,519,227	4,901,139
Home health care services	134	7,218,927	7,135,419	9,136,767
Other ambulatory health care services	29	2,352,387	2,700,962	3,940,711
Hospitals	264	26,400,116	30,852,438	55,535,635
Nursing and community care facilities	105	5,733,613	6,237,914	9,900,823
Residential mental retardation, mental health, substance abuse and other facilities	28	1,672,645	1,709,154	2,443,911
Individual and family services	236	9,183,198	7,978,448	10,901,094
Child day care services	80	3,214,335	4,752,746	6,060,830
Community food, housing, and other relief services, including rehabilitation services	48	2,279,054	2,133,595	4,325,460
Performing arts companies	25	799,139	1,348,705	2,547,055
Commercial Sports Except Racing	104	5,634,493	3,879,920	6,446,038
Racing and Track Operation	3	116,057	169,745	325,325
Independent artists, writers, and performers	40	1,394,780	3,503,437	5,373,657

## Appendix

Promoters of performing arts and sports and agents for public figures	49	1,535,612	3,513,742	7,729,149
Museums, historical sites, zoos, and parks	12	611,907	714,298	1,249,045
Amusement parks and arcades	5	140,455	515,332	581,387
Gambling industries (except casino hotels)	53	2,591,532	9,366,045	11,763,802
Other amusement and recreation industries	74	2,602,153	3,324,854	4,373,955
Fitness and recreational sports centers	47	1,106,816	2,174,825	3,083,698
Bowling centers	7	244,154	445,429	627,198
Hotels and motels, including casino hotels	63	2,851,222	6,399,454	9,099,746
Other accommodations	15	630,315	763,429	1,022,618
Full-service restaurants	499	19,924,973	29,196,518	51,532,248
Limited-service restaurants	407	12,661,185	20,012,279	43,402,073
All other food and drinking places	311	11,631,325	17,555,448	27,184,417
Automotive repair and maintenance, except car washes	174	11,799,561	12,813,682	18,362,619
Car washes	68	4,890,783	7,198,998	10,280,824
Electronic and precision equipment repair and maintenance	39	3,665,540	4,667,792	7,018,015
Commercial and industrial machinery and equipment repair and maintenance	38	3,381,492	3,824,309	5,655,523
Personal and household goods repair and maintenance	22	1,199,967	2,376,715	3,291,336
Personal care services	156	5,316,294	3,066,318	3,802,677
Death care services	13	490,615	329,035	461,995
Dry-cleaning and laundry services	49	1,762,937	1,077,795	1,414,921
Other personal services	104	3,755,597	4,802,252	6,658,610
Religious organizations	151	10,393,107	5,500,304	14,535,287
Grantmaking, giving, and social advocacy organizations	31	2,545,731	7,918,394	10,630,024
Business and professional associations	26	2,712,928	4,425,385	6,931,076
Labor and civic organizations	37	1,965,599	5,792,211	8,408,019
Private households	83	1,597,465	1,597,465	1,597,465
Postal service	49	5,327,585	5,362,077	5,363,890
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	174,286	62,099	365,126
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	12	1,245,151	71,525	412,108
Local government electric utilities	9	1,295,616	3,455,898	7,087,641
Other local government enterprises	42	4,086,046	4,713,977	15,867,522
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	115	18,618,047	27,917,520	39,916,495

## Moon to Mars Campaign

**Table 644: Detailed M2M Campaign Impacts by Types of Impact, Colorado**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>13,941</i>	<i>1,265,803,053</i>	<i>1,878,157,342</i>	<i>3,334,657,270</i>
Oilseed farming	<1	33,398	12,002	395,196
Grain farming	30	1,589,101	-251,610	10,944,978
Vegetable and melon farming	5	227,305	232,182	820,823
Fruit farming	1	42,610	39,847	121,512
Tree nut farming	<1	47	45	146
Greenhouse, nursery, and floriculture production	7	299,430	317,045	809,859
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	2	120,767	130,793	327,809
All other crop farming	18	264,214	263,640	721,720
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	32	663,065	551,952	6,721,590
Dairy cattle and milk production	6	282,082	283,876	2,996,530
Poultry and egg production	2	79,948	89,328	1,100,848
Animal production, except cattle and poultry and eggs	14	541,154	576,708	2,587,304
Forestry, forest products, and timber tract production	<1	33,076	38,166	49,607
Commercial logging	1	55,050	84,650	135,792
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	4,747	100,908	122,108
Support activities for agriculture and forestry	37	1,114,601	1,187,477	1,388,071
Oil and gas extraction	10	4,441,669	9,468,224	17,862,472
Coal mining	1	128,162	380,429	652,508
Copper, nickel, lead, and zinc mining	4	440,023	1,815,698	3,104,022
Iron ore mining	0	0	0	0
Gold ore mining	2	208,954	543,285	1,046,396
Silver ore mining	<1	54,246	104,782	205,461
Uranium-radium-vanadium ore mining	<1	97,827	251,321	462,793
Other metal ore mining	<1	27,562	54,496	101,341
Stone mining and quarrying	<1	55,384	186,854	335,416
Sand and gravel mining	1	116,701	212,123	391,689
Other clay, ceramic, refractory minerals mining	<1	2,332	4,405	8,069
Potash, soda, and borate mineral mining	<1	17,278	25,272	41,794
Phosphate rock mining	<1	4,753	8,440	13,980
Other chemical and fertilizer mineral mining	<1	7,809	11,682	19,494
Other nonmetallic minerals	<1	49,215	83,582	135,905
Drilling oil and gas wells	<1	1,586	3,807	5,707
Support activities for oil and gas operations	<1	27,068	44,967	75,390
Metal mining services	1	353,669	743,820	1,619,908
Other nonmetallic minerals services	<1	12,517	28,408	53,842
Electric power generation - Hydroelectric	<1	22,970	49,323	94,576

## Appendix

Electric power generation - Fossil fuel	2	425,611	1,289,633	3,001,589
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	214,915	441,667	735,792
Electric power generation - Wind	<1	190,903	1,292,091	2,286,101
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	19,934	51,920	124,914
Electric power generation - All other	<1	4,343	192	1,614
Electric power transmission and distribution	18	3,808,838	11,691,362	26,709,047
Natural gas distribution	4	1,261,459	3,832,530	6,570,768
Water, sewage and other systems	2	211,363	407,927	696,656
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	46	3,499,481	5,692,752	12,587,277
Maintenance and repair construction of residential structures	24	1,668,401	2,511,382	5,471,667
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,929	3,102	7,005
Dog and cat food manufacturing	2	225,027	657,263	2,265,569
Other animal food manufacturing	2	237,982	460,732	3,095,548
Flour milling	<1	84,209	195,332	1,010,989

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	13,468	26,266	139,811
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	7,695	56,305	496,187
Fats and oils refining and blending	<1	10,516	31,763	315,942
Breakfast cereal manufacturing	2	179,452	485,788	1,643,481
Beet sugar manufacturing	1	83,393	170,056	722,701
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	2	132,691	195,490	766,387
Chocolate and confectionery manufacturing from cacao beans	<1	1,143	1,792	10,982
Confectionery manufacturing from purchased chocolate	2	82,394	130,267	615,553
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	3	273,010	389,046	1,390,866
Canned fruits and vegetables manufacturing	<1	12,290	25,918	110,743
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	10,331	20,444	84,273
Cheese manufacturing	3	363,767	539,144	3,615,673
Dry, condensed, and evaporated dairy product manufacturing	<1	61,955	163,436	588,623
Fluid milk manufacturing	3	239,477	416,894	2,027,597
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	66,533	100,632	389,916
Frozen cakes and other pastries manufacturing	7	324,945	486,555	826,275
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	13	944,019	1,196,036	9,266,324
Meat processed from carcasses	6	419,890	420,373	3,359,233
Rendering and meat byproduct processing	<1	19,895	24,579	124,580
Seafood product preparation and packaging	<1	36,456	55,001	297,047
Bread and bakery product, except frozen, manufacturing	19	1,000,400	1,518,919	3,394,806
Cookie and cracker manufacturing	<1	8,342	12,987	43,881
Dry pasta, mixes, and dough manufacturing	2	156,087	392,616	1,160,294
Tortilla manufacturing	1	91,942	126,635	400,876

## Appendix

Roasted nuts and peanut butter manufacturing	<1	82,265	152,752	582,326
Other snack food manufacturing	3	257,714	694,832	2,110,800
Coffee and tea manufacturing	1	79,221	160,815	762,550
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	37,113	75,988	306,975
Spice and extract manufacturing	<1	43,282	76,907	296,709
All other food manufacturing	6	464,808	691,303	2,773,140
Bottled and canned soft drinks & water	5	439,456	865,805	3,540,932
Manufactured ice	<1	27,503	21,494	73,309
Breweries	10	704,774	1,549,493	3,629,559
Wineries	2	95,750	192,349	780,963
Distilleries	2	122,138	640,545	1,550,809
Tobacco product manufacturing	<1	11,234	494,366	799,251
Fiber, yarn, and thread mills	<1	131	169	2,128
Broadwoven fabric mills	<1	292	349	2,945
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4,350	4,677	31,669
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	7,196	8,669	46,884
Curtain and linen mills	<1	4,388	4,549	14,313
Textile bag and canvas mills	<1	50,722	53,166	189,493
Rope, cordage, twine, tire cord and tire fabric mills	<1	19,212	21,237	84,290
Other textile product mills	<1	33,350	34,937	122,831
Hosiery and sock mills	<1	1,467	2,710	5,367
Other apparel knitting mills	<1	2,192	4,008	8,359
Cut and sew apparel contractors	<1	13,658	15,806	38,041
Men's and boys' cut and sew apparel manufacturing	<1	8,830	9,653	32,493
Women's and girls' cut and sew apparel manufacturing	<1	11,802	11,979	76,812
Other cut and sew apparel manufacturing	<1	5,196	6,029	22,497
Apparel accessories and other apparel manufacturing	<1	16,038	16,151	61,795
Leather and hide tanning and finishing	<1	567	599	6,247
Footwear manufacturing	<1	330	342	2,173
Other leather and allied product manufacturing	<1	2,444	2,462	13,339

## Appendix

Sawmills	<1	52,358	85,301	426,639
Wood preservation	<1	16,421	40,480	207,459
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	1	75,779	113,660	408,218
Reconstituted wood product manufacturing	<1	9,661	25,740	103,387
Wood windows and door manufacturing	4	282,364	354,434	1,064,578
Cut stock, resawing lumber, and planing	<1	10,116	17,649	64,593
Other millwork, including flooring	2	109,429	157,978	490,505
Wood container and pallet manufacturing	1	66,624	84,146	269,491
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	21,550	32,915	107,490
All other miscellaneous wood product manufacturing	<1	24,298	30,531	115,177
Pulp mills	0	0	0	0
Paper mills	<1	43,517	16,231	178,853
Paperboard mills	0	0	0	0
Paperboard container manufacturing	5	882,637	762,568	2,906,322
Paper bag and coated and treated paper manufacturing	<1	76,857	58,287	221,660
Stationery product manufacturing	<1	3,443	3,090	11,677
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	30,507	22,279	89,707
Printing	26	1,796,250	2,484,113	5,114,214
Support activities for printing	<1	50,674	69,221	120,941
Petroleum refineries	1	476,950	2,443,946	15,352,607
Asphalt paving mixture and block manufacturing	<1	20,095	25,976	108,001
Asphalt shingle and coating materials manufacturing	<1	45,980	111,759	265,666
Petroleum lubricating oil and grease manufacturing	<1	41,545	81,590	238,427
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	67,339	152,802	644,070

## Appendix

Synthetic dye and pigment manufacturing	<1	2,540	4,176	25,513
Other basic inorganic chemical manufacturing	<1	72,942	129,885	529,299
Other basic organic chemical manufacturing	<1	37,004	72,443	716,225
Plastics material and resin manufacturing	<1	29,652	47,102	416,102
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	14,944	40,116	280,139
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	13,719	22,520	90,313
Pesticide and other agricultural chemical manufacturing	<1	4,124	10,837	77,689
Medicinal and botanical manufacturing	2	168,273	203,547	800,541
Pharmaceutical preparation manufacturing	2	264,107	494,157	1,778,521
In-vitro diagnostic substance manufacturing	<1	1,542	1,762	6,494
Biological product (except diagnostic) manufacturing	<1	73,284	137,133	357,716
Paint and coating manufacturing	<1	34,038	55,041	280,746
Adhesive manufacturing	<1	70,699	93,625	427,682
Soap and other detergent manufacturing	1	149,068	296,768	1,273,989
Polish and other sanitation good manufacturing	1	113,759	151,861	541,075
Surface active agent manufacturing	<1	21,753	60,365	217,446
Toilet preparation manufacturing	1	83,293	168,267	679,617
Printing ink manufacturing	<1	5,125	5,319	21,935
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	2,283	3,408	17,421
Photographic film and chemical manufacturing	2	217,553	380,391	1,714,537
Other miscellaneous chemical product manufacturing	1	153,426	205,039	927,214
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	71,242	108,555	407,311
Unlaminated plastics profile shape manufacturing	<1	50,939	105,585	427,987
Plastics pipe and pipe fitting manufacturing	1	77,659	197,008	793,116

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	117,904	184,112	455,782
Polystyrene foam product manufacturing	<1	56,146	94,394	351,224
Urethane and other foam product (except polystyrene) manufacturing	1	86,197	139,216	541,549
Plastics bottle manufacturing	<1	55,263	82,300	406,707
Other plastics product manufacturing	12	941,633	1,361,153	4,347,694
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	1	124,697	186,205	426,543
Other rubber product manufacturing	4	445,842	545,395	1,462,371
Pottery, ceramics, and plumbing fixture manufacturing	1	75,864	117,450	272,356
Brick, tile, and other structural clay product manufacturing	<1	49,316	78,076	203,896
Flat glass manufacturing	<1	46,839	86,348	192,129
Other pressed and blown glass and glassware manufacturing	1	77,372	125,306	342,198
Glass container manufacturing	1	110,469	173,163	411,663
Glass product manufacturing made of purchased glass	2	160,897	271,481	699,822
Cement manufacturing	<1	48,962	102,250	308,333
Ready-mix concrete manufacturing	3	265,843	406,950	1,353,902
Concrete block and brick manufacturing	<1	77,053	126,761	335,381
Concrete pipe manufacturing	<1	16,895	26,749	76,850
Other concrete product manufacturing	1	104,176	146,371	389,026
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	43,118	111,558	286,684
Abrasive product manufacturing	<1	4,813	9,667	19,981
Cut stone and stone product manufacturing	1	95,823	120,615	280,646
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	14,507	34,138	96,698
Miscellaneous nonmetallic mineral products manufacturing	<1	16,735	34,404	84,085
Iron and steel mills and ferroalloy manufacturing	3	291,935	570,988	4,784,258
Iron, steel pipe and tube manufacturing from purchased steel	<1	16,626	28,333	193,121



## Appendix

Rolled steel shape manufacturing	<1	14,185	34,400	179,129
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	33,294	56,804	315,813
Other aluminum rolling, drawing and extruding	<1	8,268	10,280	62,768
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	5,036	8,043	107,338
Nonferrous metal, except copper and aluminum, shaping	<1	20,166	22,736	106,439
Secondary processing of other nonferrous metals	<1	85	132	1,157
Ferrous metal foundries	<1	1,582	2,181	7,439
Nonferrous metal foundries	<1	27,200	32,149	98,694
Custom roll forming	<1	1,314	2,177	12,665
Crown and closure manufacturing and metal stamping	<1	29,458	42,314	118,777
Iron and steel forging	<1	28,154	43,579	172,869
Nonferrous forging	<1	28,542	40,555	151,253
Cutlery, utensil, pot, and pan manufacturing	<1	59,174	154,504	381,510
Handtool manufacturing	<1	7,361	13,977	29,283
Prefabricated metal buildings and components manufacturing	<1	31,630	52,407	178,707
Fabricated structural metal manufacturing	2	176,459	303,452	1,015,060
Plate work manufacturing	<1	66,860	80,312	249,618
Metal window and door manufacturing	<1	62,036	97,342	254,701
Sheet metal work manufacturing	2	155,536	236,443	680,908
Ornamental and architectural metal work manufacturing	2	155,482	203,470	565,706
Power boiler and heat exchanger manufacturing	<1	1,691	2,630	7,194
Metal tank (heavy gauge) manufacturing	<1	18,691	25,007	73,637
Metal cans manufacturing	2	124,225	277,272	1,443,447
Metal barrels, drums and pails manufacturing	<1	17,486	25,276	107,905
Hardware manufacturing	1	109,664	181,337	549,611
Spring and wire product manufacturing	<1	62,321	90,569	300,234

## Appendix

Machine shops	8	570,895	722,397	1,559,224
Turned product and screw, nut, and bolt manufacturing	1	83,324	116,836	328,436
Metal heat treating	<1	9,854	14,390	35,378
Metal coating and nonprecious engraving	2	135,698	285,115	758,252
Electroplating, anodizing, and coloring metal	<1	66,072	74,502	167,938
Valve and fittings, other than plumbing, manufacturing	<1	73,132	124,967	322,620
Plumbing fixture fitting and trim manufacturing	<1	68,141	192,727	538,940
Ball and roller bearing manufacturing	<1	10,520	19,998	56,471
Small arms ammunition manufacturing	<1	1,730	4,915	11,169
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	69,546	179,849	416,243
Fabricated pipe and pipe fitting manufacturing	<1	8,094	11,060	29,085
Other fabricated metal manufacturing	2	141,291	207,686	595,954
Farm machinery and equipment manufacturing	<1	11,195	15,923	85,615
Lawn and garden equipment manufacturing	<1	7,487	10,422	61,668
Construction machinery manufacturing	<1	1,450	2,366	10,371
Mining machinery and equipment manufacturing	<1	1,028	1,157	4,584
Oil and gas field machinery and equipment manufacturing	<1	1,553	1,720	6,311
Semiconductor machinery manufacturing	<1	275	297	1,641
Food product machinery manufacturing	<1	484	506	1,574
Sawmill, woodworking, and paper machinery	<1	433	468	1,875
Printing machinery and equipment manufacturing	<1	481	498	1,646
All other industrial machinery manufacturing	<1	2,513	2,702	8,160
Optical instrument and lens manufacturing	<1	6,177	6,922	21,966
Photographic and photocopying equipment manufacturing	<1	1,717	1,846	6,767
Other commercial service industry machinery manufacturing	<1	27,967	33,212	135,228

## Appendix

Air purification and ventilation equipment manufacturing	<1	17,182	19,116	60,682
Heating equipment (except warm air furnaces) manufacturing	<1	13,515	16,043	49,671
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	68,265	82,858	326,645
Industrial mold manufacturing	<1	10,546	11,195	25,568
Special tool, die, jig, and fixture manufacturing	<1	932	999	2,419
Cutting tool and machine tool accessory manufacturing	<1	4,015	4,205	10,499
Machine tool manufacturing	<1	6,322	6,887	21,100
Rolling mill and other metalworking machinery manufacturing	<1	4,698	5,225	15,346
Turbine and turbine generator set units manufacturing	<1	1,837	1,918	7,708
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,065	1,150	3,066
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	129,416	185,255	891,355
Pump and pumping equipment manufacturing	<1	632	755	3,582
Air and gas compressor manufacturing	<1	1,294	1,433	5,333
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	7,312	7,789	22,076
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,036	1,300	5,078
Industrial truck, trailer, and stacker manufacturing	<1	2,381	2,810	10,867
Power-driven handtool manufacturing	<1	6,229	9,251	33,319
Welding and soldering equipment manufacturing	<1	1,271	1,374	4,020
Packaging machinery manufacturing	<1	1,371	1,537	5,218
Industrial process furnace and oven manufacturing	<1	148	154	355
Fluid power cylinder and actuator manufacturing	<1	36,467	42,079	114,612
Fluid power pump and motor manufacturing	<1	1,257	1,445	4,974

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,036	3,205	9,262
Electronic computer manufacturing	<1	42,303	56,821	155,678
Computer storage device manufacturing	<1	45,849	68,879	226,883
Computer terminals and other computer peripheral equipment manufacturing	<1	56,773	78,982	205,828
Telephone apparatus manufacturing	<1	5,549	8,913	21,258
Broadcast and wireless communications equipment manufacturing	<1	11,076	14,988	41,213
Other communications equipment manufacturing	<1	25,826	39,810	105,429
Audio and video equipment manufacturing	<1	1,273	2,138	16,772
Printed circuit assembly (electronic assembly) manufacturing	1	83,443	123,975	429,574
Bare printed circuit board manufacturing	<1	18,879	23,132	69,311
Semiconductor and related device manufacturing	<1	46,237	70,388	297,284
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,128	2,638	8,637
Electronic connector manufacturing	<1	1,215	1,592	5,014
Other electronic component manufacturing	<1	16,335	19,958	72,451
Electromedical and electrotherapeutic apparatus manufacturing	<1	15,914	23,934	64,540
Search, detection, and navigation instruments manufacturing	21	3,637,609	6,775,142	13,659,172
Automatic environmental control manufacturing	<1	16,306	21,116	50,818
Industrial process variable instruments manufacturing	<1	18,045	24,685	60,493
Totalizing fluid meter and counting device manufacturing	<1	5,703	11,134	26,630
Electricity and signal testing instruments manufacturing	<1	28,394	34,008	82,610
Analytical laboratory instrument manufacturing	<1	92,611	140,843	321,658
Irradiation apparatus manufacturing	<1	68	120	400

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	6,124	8,343	31,768
Blank magnetic and optical recording media manufacturing	<1	86,106	246,917	723,807
Software and other prerecorded and record reproducing	<1	143,605	195,109	368,904
Electric lamp bulb and part manufacturing	<1	10,821	13,375	38,353
Lighting fixture manufacturing	<1	36,954	41,773	164,445
Small electrical appliance manufacturing	<1	1,400	1,901	10,372
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	281	316	1,303
Motor and generator manufacturing	<1	21,559	27,342	88,512
Switchgear and switchboard apparatus manufacturing	<1	11,083	13,760	56,355
Relay and industrial control manufacturing	<1	2,244	2,479	9,514
Storage battery manufacturing	<1	60,903	72,614	241,363
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	8,175	9,496	33,575
Other communication and energy wire manufacturing	<1	1,313	1,611	6,580
Wiring device manufacturing	<1	5,168	6,952	31,996
Carbon and graphite product manufacturing	<1	25,530	30,264	119,063
All other miscellaneous electrical equipment and component manufacturing	3	358,566	388,402	1,068,534
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2,669	3,937	14,829
Truck trailer manufacturing	<1	362	527	2,191
Motor home manufacturing	<1	21,309	43,693	129,846
Travel trailer and camper manufacturing	2	178,695	230,040	950,391

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	15,454	28,624	122,616
Motor vehicle electrical and electronic equipment manufacturing	<1	48,502	75,061	342,265
Motor vehicle transmission and power train parts manufacturing	2	173,119	283,277	991,797
Motor vehicle seating and interior trim manufacturing	<1	20,706	26,541	108,470
Motor vehicle metal stamping	<1	8,438	11,919	40,899
Other motor vehicle parts manufacturing	2	126,077	194,362	817,627
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	68,637	119,406	465,380
Aircraft manufacturing	<1	1,227	2,413	5,192
Aircraft engine and engine parts manufacturing	<1	21	68	169
Other aircraft parts and auxiliary equipment manufacturing	<1	11,549	18,406	32,134
Guided missile and space vehicle manufacturing	23	3,822,161	8,134,204	14,271,900
Propulsion units and parts for space vehicles and guided missiles manufacturing	3	479,064	801,325	1,294,142
Railroad rolling stock manufacturing	<1	357	410	1,788
Ship building and repairing	0	0	0	0
Boat building	<1	30,789	53,642	139,026
Motorcycle, bicycle, and parts manufacturing	<1	19,482	94,105	183,433
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	619	1,682	6,458
Wood kitchen cabinet and countertop manufacturing	2	148,123	186,269	456,713
Upholstered household furniture manufacturing	<1	1,974	2,208	9,137
Nonupholstered wood household furniture manufacturing	<1	50,520	58,118	171,582
Other household nonupholstered furniture manufacturing	<1	6,739	10,886	52,227
Institutional furniture manufacturing	<1	2,322	2,448	7,854
Wood office furniture manufacturing	<1	720	884	2,622

## Appendix

Custom architectural woodwork and millwork	<1	5,987	5,832	16,653
Office furniture, except wood, manufacturing	<1	465	723	2,452
Showcase, partition, shelving, and locker manufacturing	<1	16,251	21,408	67,002
Mattress manufacturing	<1	65,649	112,685	454,540
Blind and shade manufacturing	<1	56,342	56,655	165,490
Surgical and medical instrument manufacturing	<1	83,115	182,037	320,878
Surgical appliance and supplies manufacturing	1	77,168	230,886	450,114
Dental equipment and supplies manufacturing	<1	804	2,004	4,161
Ophthalmic goods manufacturing	<1	6,842	21,273	38,265
Dental laboratories	<1	34,707	45,154	81,754
Jewelry and silverware manufacturing	1	87,819	166,063	421,299
Sporting and athletic goods manufacturing	<1	47,819	94,107	257,475
Doll, toy, and game manufacturing	<1	33,144	105,963	280,975
Office supplies (except paper) manufacturing	<1	5,779	12,662	37,512
Sign manufacturing	1	97,684	97,292	255,112
Gasket, packing, and sealing device manufacturing	<1	51,854	66,224	152,644
Musical instrument manufacturing	<1	1,648	2,125	6,211
Fasteners, buttons, needles, and pins manufacturing	<1	1,912	2,700	8,198
Broom, brush, and mop manufacturing	<1	2,955	6,802	19,179
Burial casket manufacturing	<1	1,130	2,269	6,242
All other miscellaneous manufacturing	2	133,068	239,822	554,996
Wholesale - Motor vehicle and motor vehicle parts and supplies	12	1,054,370	2,110,194	4,938,737
Wholesale - Professional and commercial equipment and supplies	35	5,412,881	7,971,747	13,467,122
Wholesale - Household appliances and electrical and electronic goods	16	2,315,890	5,057,940	10,507,384
Wholesale - Machinery, equipment, and supplies	22	2,386,698	4,107,014	7,581,690
Wholesale - Other durable goods merchant wholesalers	40	4,166,988	6,938,278	14,238,946

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	15	2,668,353	5,882,724	13,107,883
Wholesale - Grocery and related product wholesalers	35	3,251,895	4,635,204	9,299,617
Wholesale - Petroleum and petroleum products	4	581,181	4,155,645	5,410,633
Wholesale - Other nondurable goods merchant wholesalers	54	5,740,726	10,914,913	21,248,912
Wholesale - Wholesale electronic markets and agents and brokers	12	1,596,763	1,778,321	2,105,675
Retail - Motor vehicle and parts dealers	41	3,446,896	5,053,456	6,880,539
Retail - Furniture and home furnishings stores	30	1,830,744	2,552,509	3,991,943
Retail - Electronics and appliance stores	27	1,734,792	1,742,316	2,801,303
Retail - Building material and garden equipment and supplies stores	34	1,738,156	3,631,601	5,069,277
Retail - Food and beverage stores	124	5,961,086	8,585,243	13,045,206
Retail - Health and personal care stores	52	2,848,014	3,694,726	5,437,272
Retail - Gasoline stores	31	1,414,384	3,223,607	5,654,319
Retail - Clothing and clothing accessories stores	53	2,067,497	3,653,357	7,009,683
Retail - Sporting goods, hobby, musical instrument and book stores	40	1,698,337	2,299,301	3,532,451
Retail - General merchandise stores	109	4,438,253	7,516,258	11,971,523
Retail - Miscellaneous store retailers	94	3,676,032	3,924,985	6,055,415
Retail - Nonstore retailers	112	2,386,750	13,895,029	23,949,751
Air transportation	33	4,654,518	10,284,968	18,855,764
Rail transportation	5	691,686	2,178,676	3,651,410
Water transportation	<1	-18,340	-18,622	123,670
Truck transportation	65	5,400,619	7,456,423	15,374,647
Transit and ground passenger transportation	112	2,387,320	3,247,934	5,016,830
Pipeline transportation	1	2,370,338	2,735,429	3,061,828
Scenic and sightseeing transportation and support activities for transportation	64	5,476,292	4,430,720	6,973,746
Couriers and messengers	146	3,013,674	5,459,180	7,258,258
Warehousing and storage	69	4,356,467	4,664,643	8,154,120
Newspaper publishers	7	579,865	994,386	1,401,836
Periodical publishers	5	715,004	1,108,005	1,757,759
Book publishers	4	449,724	1,242,240	2,562,978



## Appendix

Directory, mailing list, and other publishers	3	389,961	931,627	1,452,285
Greeting card publishing	<1	27,739	94,630	169,132
Software publishers	55	10,780,104	20,269,788	26,483,134
Motion picture and video industries	16	1,237,077	2,324,430	4,971,639
Sound recording industries	1	100,449	979,803	1,519,038
Radio and television broadcasting	19	3,761,237	5,675,758	12,973,515
Cable and other subscription programming	7	1,360,729	8,913,100	19,327,084
Wired telecommunications carriers	27	2,993,396	8,346,091	14,267,615
Wireless telecommunications carriers (except satellite)	4	370,974	5,086,022	10,390,883
Satellite, telecommunications resellers, and all other telecommunications	7	679,364	847,355	2,450,683
Data processing, hosting, and related services	46	7,721,905	15,499,805	35,226,468
News syndicates, libraries, archives and all other information services	6	757,312	1,131,404	2,315,555
Internet publishing and broadcasting and web search portals	14	2,062,961	4,904,014	19,351,324
Nondepository credit intermediation and related activities	67	9,065,084	9,620,699	14,183,731
Securities and commodity contracts intermediation and brokerage	109	8,141,764	6,961,355	13,958,472
Monetary authorities and depository credit intermediation	99	10,790,528	40,115,934	55,162,955
Other financial investment activities	168	10,798,476	12,923,783	32,410,601
Direct life insurance carriers	17	2,523,236	4,586,453	6,302,805
Insurance carriers, except direct life	66	6,889,103	18,582,500	41,644,948
Insurance agencies, brokerages, and related activities	68	6,877,036	10,196,376	23,106,760
Funds, trusts, and other financial vehicles	48	977,838	1,279,568	9,807,981
Other real estate	810	38,470,516	85,586,227	186,832,379
Tenant-occupied housing	74	3,246,972	25,900,640	27,760,277
Owner-occupied dwellings	0	0	91,208,566	110,073,635
Automotive equipment rental and leasing	16	1,274,273	3,384,257	4,638,793

## Appendix

General and consumer goods rental except video tapes and discs	18	1,261,302	1,974,156	2,983,355
Video tape and disc rental	5	383,372	586,357	923,881
Commercial and industrial machinery and equipment rental and leasing	13	1,302,315	3,079,962	4,105,559
Lessors of nonfinancial intangible assets	4	455,786	7,676,672	8,197,655
Legal services	220	26,613,665	38,629,280	53,086,927
Accounting, tax preparation, bookkeeping, and payroll services	105	10,477,578	14,056,379	20,449,593
Architectural, engineering, and related services	187	19,596,984	22,137,168	37,490,377
Specialized design services	13	1,092,354	1,991,094	3,311,020
Custom computer programming services	45	5,750,887	5,995,916	7,924,160
Computer systems design services	55	7,114,039	7,135,076	8,774,406
Other computer related services, including facilities management	15	2,004,205	3,177,158	5,127,295
Management consulting services	364	45,800,279	47,392,877	70,140,981
Environmental and other technical consulting services	49	5,388,905	6,118,434	9,212,187
Scientific research and development services	4,555	553,436,836	693,307,969	1,245,176,872
Advertising, public relations, and related services	80	7,602,622	12,299,261	24,125,932
Photographic services	5	262,634	736,871	1,394,530
Veterinary services	23	1,435,868	1,654,258	2,480,499
Marketing research and all other miscellaneous professional, scientific, and technical services	125	14,018,464	25,841,529	46,951,294
Management of companies and enterprises	318	54,590,854	61,751,049	91,296,816
Office administrative services	37	3,561,340	1,220,550	3,075,629
Facilities support services	14	863,719	1,133,385	2,581,956
Employment services	406	28,831,737	38,117,987	57,197,858
Business support services	76	5,161,386	4,366,159	7,167,365
Travel arrangement and reservation services	22	1,577,596	2,354,453	6,970,628
Investigation and security services	66	3,505,596	3,555,259	4,923,951
Services to buildings	106	4,301,554	5,816,869	12,009,089
Landscape and horticultural services	66	3,552,150	4,230,700	7,634,902
Other support services	32	2,422,506	2,993,097	5,450,052
Waste management and remediation services	25	2,196,011	3,309,807	6,933,701

## Appendix

Elementary and secondary schools	32	1,681,787	1,302,915	1,595,639
Junior colleges, colleges, universities, and professional schools	114	5,593,934	6,793,486	9,475,733
Other educational services	55	2,970,074	3,250,766	5,977,559
Offices of physicians	145	17,059,127	17,112,312	24,248,583
Offices of dentists	62	4,547,876	5,369,080	7,247,306
Offices of other health practitioners	66	3,892,881	5,753,745	7,397,542
Outpatient care centers	66	5,492,660	5,397,354	8,307,754
Medical and diagnostic laboratories	18	1,540,197	2,411,986	3,306,218
Home health care services	93	4,888,949	4,845,342	6,237,919
Other ambulatory health care services	19	1,526,003	1,776,486	2,575,643
Hospitals	192	18,997,882	22,338,476	40,265,664
Nursing and community care facilities	70	3,976,601	4,329,200	6,780,107
Residential mental retardation, mental health, substance abuse and other facilities	20	1,263,234	1,291,591	1,824,602
Individual and family services	162	6,424,064	5,627,825	7,633,406
Child day care services	53	2,191,154	3,322,106	4,192,972
Community food, housing, and other relief services, including rehabilitation services	35	1,703,868	1,599,892	3,189,916
Performing arts companies	16	571,050	957,937	1,730,340
Commercial Sports Except Racing	69	3,685,618	2,653,091	4,333,047
Racing and Track Operation	2	85,376	121,558	224,333
Independent artists, writers, and performers	27	1,017,735	2,494,689	3,755,366
Promoters of performing arts and sports and agents for public figures	32	1,106,938	2,471,989	5,170,855
Museums, historical sites, zoos, and parks	8	429,829	501,454	859,351
Amusement parks and arcades	4	102,427	366,268	412,070
Gambling industries (except casino hotels)	35	1,724,296	6,243,826	7,801,341
Other amusement and recreation industries	47	1,703,449	2,169,912	2,823,766
Fitness and recreational sports centers	31	774,442	1,504,083	2,098,457
Bowling centers	5	158,080	289,053	402,808
Hotels and motels, including casino hotels	44	2,042,226	4,495,768	6,382,187
Other accommodations	11	490,908	593,117	789,341

## Appendix

Full-service restaurants	321	13,011,160	18,971,691	33,312,944
Limited-service restaurants	260	8,341,723	13,091,448	28,031,869
All other food and drinking places	198	7,736,431	11,543,773	17,650,548
Automotive repair and maintenance, except car washes	108	7,500,352	7,960,404	11,392,708
Car washes	43	3,181,134	4,665,423	6,642,990
Electronic and precision equipment repair and maintenance	22	2,177,652	2,802,505	4,140,375
Commercial and industrial machinery and equipment repair and maintenance	23	2,126,817	2,387,092	3,491,888
Personal and household goods repair and maintenance	14	813,712	1,519,591	2,121,581
Personal care services	101	3,465,713	1,840,938	2,319,900
Death care services	9	350,452	217,904	309,528
Dry-cleaning and laundry services	32	1,164,524	652,802	869,540
Other personal services	68	2,499,545	3,113,727	4,332,165
Religious organizations	111	7,744,285	3,681,715	10,333,900
Grantmaking, giving, and social advocacy organizations	23	1,975,669	5,491,743	7,506,207
Business and professional associations	17	1,897,135	2,832,003	4,461,330
Labor and civic organizations	27	1,476,337	3,862,025	5,762,489
Private households	53	1,103,357	1,103,357	1,103,357
Postal service	30	3,288,738	3,310,695	3,311,806
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	128,878	49,424	275,728
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	7	871,880	30,918	237,035
Local government electric utilities	5	765,213	1,892,474	3,891,643
Other local government enterprises	25	2,573,443	2,547,212	9,161,917
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	11	2,096,953	2,822,222	5,026,587

## Investments in Climate Change Research and Technology

**Table 645: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,306</i>	<i>197,947,824</i>	<i>298,716,407</i>	<i>543,017,330</i>
Oilseed farming	<1	2,702	784	24,227
Grain farming	4	264,565	-28,038	1,745,182
Vegetable and melon farming	<1	41,993	40,068	145,978
Fruit farming	<1	7,590	6,942	21,475
Tree nut farming	<1	8	7	23
Greenhouse, nursery, and floriculture production	1	59,350	58,651	153,787
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	29,166	29,593	78,546
All other crop farming	4	61,744	57,665	161,023
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	9	173,800	118,479	1,649,763
Dairy cattle and milk production	1	50,734	46,243	548,188
Poultry and egg production	<1	18,659	18,374	259,644
Animal production, except cattle and poultry and eggs	2	108,247	88,572	407,006
Forestry, forest products, and timber tract production	<1	4,378	5,066	6,961

## Appendix

Commercial logging	<1	10,432	15,840	26,670
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	429	18,335	22,793
Support activities for agriculture and forestry	7	222,233	233,822	271,196
Oil and gas extraction	2	1,395,002	2,411,244	4,191,997
Coal mining	<1	52,836	153,725	267,753
Copper, nickel, lead, and zinc mining	<1	80,359	301,711	539,696
Iron ore mining	0	0	0	0
Gold ore mining	<1	37,810	95,494	191,734
Silver ore mining	<1	10,607	20,242	40,927
Uranium-radium-vanadium ore mining	<1	28,543	85,860	153,470
Other metal ore mining	<1	5,527	10,982	20,655
Stone mining and quarrying	<1	9,002	34,690	61,378
Sand and gravel mining	<1	17,263	32,744	61,801
Other clay, ceramic, refractory minerals mining	<1	470	911	1,672
Potash, soda, and borate mineral mining	<1	3,010	4,450	7,396
Phosphate rock mining	<1	770	1,397	2,317
Other chemical and fertilizer mineral mining	<1	1,359	2,008	3,441
Other nonmetallic minerals	<1	7,785	13,560	21,694
Drilling oil and gas wells	<1	542	1,299	1,883
Support activities for oil and gas operations	<1	7,615	12,236	19,698
Metal mining services	<1	123,839	260,759	527,580
Other nonmetallic minerals services	<1	3,384	6,422	11,575
Electric power generation - Hydroelectric	<1	2,671	5,824	11,108
Electric power generation - Fossil fuel	<1	54,057	191,287	445,458
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	30,034	63,324	105,866
Electric power generation - Wind	<1	48,244	355,606	644,373
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,264	5,851	13,575
Electric power generation - All other	<1	575	63	319
Electric power transmission and distribution	3	597,922	2,007,923	4,626,697

## Appendix

Natural gas distribution	<1	187,919	585,072	1,026,200
Water, sewage and other systems	<1	41,873	84,586	150,466
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	564,555	895,047	2,058,745
Maintenance and repair construction of residential structures	4	270,084	399,017	896,231
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	320	508	1,173
Dog and cat food manufacturing	<1	47,449	133,019	484,457
Other animal food manufacturing	<1	46,893	85,973	600,318
Flour milling	<1	19,791	45,166	227,878
Rice milling	0	0	0	0
Malt manufacturing	<1	1,921	3,618	19,483
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,265	8,904	84,830
Fats and oils refining and blending	<1	1,847	5,383	54,422
Breakfast cereal manufacturing	<1	27,033	72,150	273,594
Beet sugar manufacturing	<1	14,413	31,215	129,704
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	24,353	35,630	145,757

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	162	251	1,617
Confectionery manufacturing from purchased chocolate	<1	14,871	22,566	111,286
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	54,248	77,413	276,036
Canned fruits and vegetables manufacturing	<1	1,988	4,031	17,957
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1,790	3,512	14,700
Cheese manufacturing	<1	62,238	91,552	592,334
Dry, condensed, and evaporated dairy product manufacturing	<1	10,649	27,649	102,714
Fluid milk manufacturing	<1	39,774	66,099	328,610
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	12,211	17,959	72,828
Frozen cakes and other pastries manufacturing	1	61,538	92,646	158,401
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	3	223,014	277,140	2,125,208
Meat processed from carcasses	<1	70,581	70,167	567,377
Rendering and meat byproduct processing	<1	3,880	4,730	23,716
Seafood product preparation and packaging	<1	7,454	10,933	63,474
Bread and bakery product, except frozen, manufacturing	3	187,481	282,581	633,286
Cookie and cracker manufacturing	<1	1,150	1,675	6,546
Dry pasta, mixes, and dough manufacturing	<1	27,801	68,450	196,582
Tortilla manufacturing	<1	19,580	27,112	84,740
Roasted nuts and peanut butter manufacturing	<1	14,213	25,387	100,655
Other snack food manufacturing	<1	48,347	126,643	400,474
Coffee and tea manufacturing	<1	16,529	32,043	155,991
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	7,143	14,797	59,072
Spice and extract manufacturing	<1	6,551	11,064	43,689
All other food manufacturing	1	82,033	120,436	483,987
Bottled and canned soft drinks & water	1	88,846	170,292	698,397
Manufactured ice	<1	4,702	3,549	13,175



## Appendix

Breweries	2	136,404	284,511	669,848
Wineries	<1	14,816	28,693	117,071
Distilleries	<1	25,111	116,713	293,336
Tobacco product manufacturing	<1	1,898	60,413	109,154
Fiber, yarn, and thread mills	<1	21	27	372
Broadwoven fabric mills	<1	61	69	622
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	492	526	3,704
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	1,426	1,636	9,896
Curtain and linen mills	<1	770	774	2,604
Textile bag and canvas mills	<1	9,535	9,574	35,968
Rope, cordage, twine, tire cord and tire fabric mills	<1	4,524	4,411	19,822
Other textile product mills	<1	5,990	6,091	22,703
Hosiery and sock mills	<1	277	501	1,074
Other apparel knitting mills	<1	434	773	1,753
Cut and sew apparel contractors	<1	2,205	2,545	6,301
Men's and boys' cut and sew apparel manufacturing	<1	1,370	1,484	5,197
Women's and girls' cut and sew apparel manufacturing	<1	1,876	1,861	12,632
Other cut and sew apparel manufacturing	<1	880	1,014	3,913
Apparel accessories and other apparel manufacturing	<1	2,614	2,597	10,843
Leather and hide tanning and finishing	<1	117	113	1,280
Footwear manufacturing	<1	63	64	462
Other leather and allied product manufacturing	<1	451	440	2,558
Sawmills	<1	11,126	18,688	91,200
Wood preservation	<1	4,065	10,416	49,743
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	13,500	20,875	73,933
Reconstituted wood product manufacturing	<1	2,520	6,852	27,318
Wood windows and door manufacturing	<1	54,069	69,580	211,929
Cut stock, resawing lumber, and planing	<1	1,933	3,634	12,588

## Appendix

Other millwork, including flooring	<1	18,508	28,135	86,867
Wood container and pallet manufacturing	<1	12,515	16,426	52,597
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	4,108	6,604	21,408
All other miscellaneous wood product manufacturing	<1	3,448	4,765	18,937
Pulp mills	0	0	0	0
Paper mills	<1	7,923	3,774	35,799
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	167,643	147,060	543,875
Paper bag and coated and treated paper manufacturing	<1	12,496	10,293	39,985
Stationery product manufacturing	<1	522	488	1,989
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	4,762	3,697	14,477
Printing	4	280,229	371,938	823,408
Support activities for printing	<1	7,023	9,387	17,157
Petroleum refineries	<1	102,397	479,843	3,192,985
Asphalt paving mixture and block manufacturing	<1	3,450	4,278	19,392
Asphalt shingle and coating materials manufacturing	<1	7,551	16,129	42,332
Petroleum lubricating oil and grease manufacturing	<1	5,954	11,818	37,872
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	14,947	30,069	135,422
Synthetic dye and pigment manufacturing	<1	371	532	3,187
Other basic inorganic chemical manufacturing	<1	14,843	22,971	99,585
Other basic organic chemical manufacturing	<1	9,725	16,901	169,518
Plastics material and resin manufacturing	<1	7,857	10,761	97,885
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	1,837	4,556	39,230

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2,673	3,990	17,188
Pesticide and other agricultural chemical manufacturing	<1	906	2,139	15,637
Medicinal and botanical manufacturing	<1	22,657	28,224	115,882
Pharmaceutical preparation manufacturing	<1	42,291	76,311	284,333
In-vitro diagnostic substance manufacturing	<1	175	214	755
Biological product (except diagnostic) manufacturing	<1	6,463	13,520	37,229
Paint and coating manufacturing	<1	7,255	10,669	55,702
Adhesive manufacturing	<1	9,158	11,674	55,353
Soap and other detergent manufacturing	<1	20,534	38,385	193,184
Polish and other sanitation good manufacturing	<1	17,578	22,414	84,343
Surface active agent manufacturing	<1	3,855	10,379	39,199
Toilet preparation manufacturing	<1	13,788	26,753	111,034
Printing ink manufacturing	<1	854	893	3,668
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	504	648	3,748
Photographic film and chemical manufacturing	<1	29,351	49,579	246,277
Other miscellaneous chemical product manufacturing	<1	33,755	42,473	190,682
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	12,875	19,498	76,657
Unlaminated plastics profile shape manufacturing	<1	9,160	18,802	80,182
Plastics pipe and pipe fitting manufacturing	<1	13,150	32,454	131,210
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	30,180	46,342	120,185
Polystyrene foam product manufacturing	<1	10,275	16,769	65,659
Urethane and other foam product (except polystyrene) manufacturing	<1	16,283	25,744	103,809
Plastics bottle manufacturing	<1	9,513	14,066	71,541
Other plastics product manufacturing	2	171,072	238,756	805,132
Tire manufacturing	0	0	0	0

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	30,238	44,393	101,114
Other rubber product manufacturing	<1	72,186	87,639	231,347
Pottery, ceramics, and plumbing fixture manufacturing	<1	10,892	16,689	39,483
Brick, tile, and other structural clay product manufacturing	<1	8,665	14,478	36,867
Flat glass manufacturing	<1	8,425	15,972	36,201
Other pressed and blown glass and glassware manufacturing	<1	13,885	22,207	61,273
Glass container manufacturing	<1	23,567	36,498	86,963
Glass product manufacturing made of purchased glass	<1	34,763	60,867	151,808
Cement manufacturing	<1	7,556	16,682	49,023
Ready-mix concrete manufacturing	<1	46,234	73,977	240,171
Concrete block and brick manufacturing	<1	11,775	20,455	52,800
Concrete pipe manufacturing	<1	3,822	6,243	17,050
Other concrete product manufacturing	<1	20,400	29,969	76,564
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	7,190	19,503	49,445
Abrasive product manufacturing	<1	891	1,864	3,801
Cut stone and stone product manufacturing	<1	16,792	21,615	50,016
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	2,178	5,600	15,890
Miscellaneous nonmetallic mineral products manufacturing	<1	2,207	5,024	12,279
Iron and steel mills and ferroalloy manufacturing	<1	69,029	136,487	1,167,431
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,709	6,495	43,795
Rolled steel shape manufacturing	<1	3,188	8,078	39,476
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	7,698	13,236	74,183
Other aluminum rolling, drawing and extruding	<1	1,537	1,973	12,027
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	1,163	1,982	27,026
Nonferrous metal, except copper and aluminum, shaping	<1	6,105	6,958	32,899
Secondary processing of other nonferrous metals	<1	20	34	289
Ferrous metal foundries	<1	372	522	1,762
Nonferrous metal foundries	<1	5,161	6,229	19,425
Custom roll forming	<1	221	365	2,079
Crown and closure manufacturing and metal stamping	<1	4,461	6,390	18,392
Iron and steel forging	<1	11,019	16,890	70,770
Nonferrous forging	<1	11,101	15,508	59,730
Cutlery, utensil, pot, and pan manufacturing	<1	8,311	22,966	57,174
Handtool manufacturing	<1	1,132	2,113	4,704
Prefabricated metal buildings and components manufacturing	<1	4,245	7,413	24,740
Fabricated structural metal manufacturing	<1	35,435	60,195	205,310
Plate work manufacturing	<1	27,958	33,211	107,243
Metal window and door manufacturing	<1	8,605	13,403	36,760
Sheet metal work manufacturing	<1	39,913	61,282	185,203
Ornamental and architectural metal work manufacturing	<1	26,269	34,723	99,831
Power boiler and heat exchanger manufacturing	<1	339	519	1,435
Metal tank (heavy gauge) manufacturing	<1	2,438	3,229	10,108
Metal cans manufacturing	<1	25,717	57,749	305,527
Metal barrels, drums and pails manufacturing	<1	3,382	4,869	21,266
Hardware manufacturing	<1	20,701	34,505	105,908
Spring and wire product manufacturing	<1	11,638	16,927	56,791
Machine shops	2	133,676	169,389	373,664
Turned product and screw, nut, and bolt manufacturing	<1	22,327	31,333	90,029
Metal heat treating	<1	2,626	3,793	9,254
Metal coating and nonprecious engraving	<1	43,460	89,744	245,360
Electroplating, anodizing, and coloring metal	<1	15,139	17,030	38,675
Valve and fittings, other than plumbing, manufacturing	<1	16,038	26,999	69,140
Plumbing fixture fitting and trim manufacturing	<1	9,831	28,607	77,505

## Appendix

Ball and roller bearing manufacturing	<1	1,607	3,056	8,730
Small arms ammunition manufacturing	<1	261	737	1,779
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	13,468	34,626	85,451
Fabricated pipe and pipe fitting manufacturing	<1	1,661	2,278	6,008
Other fabricated metal manufacturing	<1	23,332	34,368	101,292
Farm machinery and equipment manufacturing	<1	2,414	3,310	18,753
Lawn and garden equipment manufacturing	<1	1,028	1,382	8,749
Construction machinery manufacturing	<1	187	288	1,441
Mining machinery and equipment manufacturing	<1	255	295	1,188
Oil and gas field machinery and equipment manufacturing	<1	550	625	2,092
Semiconductor machinery manufacturing	<1	32,587	41,230	100,554
Food product machinery manufacturing	<1	80	84	259
Sawmill, woodworking, and paper machinery	<1	57	61	259
Printing machinery and equipment manufacturing	<1	93	97	310
All other industrial machinery manufacturing	<1	486	529	1,564
Optical instrument and lens manufacturing	<1	1,088	1,271	3,993
Photographic and photocopying equipment manufacturing	<1	312	334	1,251
Other commercial service industry machinery manufacturing	<1	4,146	4,951	20,002
Air purification and ventilation equipment manufacturing	<1	2,959	3,285	10,745
Heating equipment (except warm air furnaces) manufacturing	<1	2,229	2,621	8,557
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	12,707	16,127	64,948
Industrial mold manufacturing	<1	1,428	1,526	3,690
Special tool, die, jig, and fixture manufacturing	<1	142	155	388

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	687	722	1,851
Machine tool manufacturing	<1	1,029	1,113	3,448
Rolling mill and other metalworking machinery manufacturing	<1	798	891	2,762
Turbine and turbine generator set units manufacturing	<1	469	489	1,996
Speed changer, industrial high-speed drive, and gear manufacturing	<1	199	228	634
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	23,710	35,708	175,849
Pump and pumping equipment manufacturing	<1	92	113	534
Air and gas compressor manufacturing	<1	201	227	850
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	1,385	1,473	4,338
Overhead cranes, hoists, and monorail systems manufacturing	<1	221	274	1,098
Industrial truck, trailer, and stacker manufacturing	<1	478	583	2,259
Power-driven handtool manufacturing	<1	529	852	3,066
Welding and soldering equipment manufacturing	<1	146	167	554
Packaging machinery manufacturing	<1	242	275	939
Industrial process furnace and oven manufacturing	<1	15	16	40
Fluid power cylinder and actuator manufacturing	<1	7,114	8,415	22,705
Fluid power pump and motor manufacturing	<1	482	564	1,906
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	559	602	1,768
Electronic computer manufacturing	<1	7,645	10,159	29,640
Computer storage device manufacturing	<1	8,661	12,559	43,491
Computer terminals and other computer peripheral equipment manufacturing	<1	8,273	11,174	30,354
Telephone apparatus manufacturing	<1	2,103	3,182	7,699

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	4,425	5,687	17,276
Other communications equipment manufacturing	<1	5,442	8,175	21,411
Audio and video equipment manufacturing	<1	194	326	2,618
Printed circuit assembly (electronic assembly) manufacturing	<1	42,822	64,471	234,792
Bare printed circuit board manufacturing	<1	12,156	14,357	39,657
Semiconductor and related device manufacturing	<1	34,041	51,211	217,351
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	455	554	1,908
Electronic connector manufacturing	<1	238	305	990
Other electronic component manufacturing	<1	4,932	5,927	21,980
Electromedical and electrotherapeutic apparatus manufacturing	<1	2,903	4,330	11,832
Search, detection, and navigation instruments manufacturing	17	2,424,667	3,835,571	9,290,187
Automatic environmental control manufacturing	<1	1,515	1,944	4,820
Industrial process variable instruments manufacturing	<1	30,830	41,753	96,361
Totalizing fluid meter and counting device manufacturing	<1	1,648	3,023	7,803
Electricity and signal testing instruments manufacturing	<1	17,323	20,538	52,296
Analytical laboratory instrument manufacturing	2	315,829	486,725	1,113,554
Irradiation apparatus manufacturing	<1	25	42	153
Watch, clock, and other measuring and controlling device manufacturing	<1	5,811	7,889	30,499
Blank magnetic and optical recording media manufacturing	<1	7,385	23,190	69,856
Software and other prerecorded and record reproducing	<1	15,066	20,486	41,272
Electric lamp bulb and part manufacturing	<1	1,589	1,912	5,749
Lighting fixture manufacturing	<1	4,627	5,108	21,664
Small electrical appliance manufacturing	<1	203	270	1,503



## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	41	48	204
Motor and generator manufacturing	<1	5,206	6,571	21,299
Switchgear and switchboard apparatus manufacturing	<1	1,834	2,293	9,638
Relay and industrial control manufacturing	<1	582	638	2,629
Storage battery manufacturing	<1	8,723	10,389	37,026
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,322	1,556	5,733
Other communication and energy wire manufacturing	<1	280	326	1,414
Wiring device manufacturing	<1	1,233	1,558	7,582
Carbon and graphite product manufacturing	<1	5,176	6,303	24,679
All other miscellaneous electrical equipment and component manufacturing	<1	4,798	5,088	16,915
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	556	820	2,994
Truck trailer manufacturing	<1	83	123	511
Motor home manufacturing	<1	7,414	14,881	47,204
Travel trailer and camper manufacturing	<1	45,603	59,942	243,148
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,886	5,361	23,243
Motor vehicle electrical and electronic equipment manufacturing	<1	10,704	16,469	81,756
Motor vehicle transmission and power train parts manufacturing	<1	19,963	34,030	131,195
Motor vehicle seating and interior trim manufacturing	<1	5,041	6,466	26,749
Motor vehicle metal stamping	<1	2,009	2,794	10,178
Other motor vehicle parts manufacturing	<1	26,557	42,424	176,914

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	11,187	18,660	76,457
Aircraft manufacturing	<1	514	1,105	2,280
Aircraft engine and engine parts manufacturing	<1	9	28	73
Other aircraft parts and auxiliary equipment manufacturing	<1	18,463	29,335	50,826
Guided missile and space vehicle manufacturing	9	1,595,057	2,791,420	5,164,840
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	70,080	114,776	187,441
Railroad rolling stock manufacturing	<1	63	73	326
Ship building and repairing	0	0	0	0
Boat building	<1	7,399	13,191	34,059
Motorcycle, bicycle, and parts manufacturing	<1	4,781	27,766	50,122
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	169	484	1,872
Wood kitchen cabinet and countertop manufacturing	<1	30,848	40,018	98,865
Upholstered household furniture manufacturing	<1	321	358	1,466
Nonupholstered wood household furniture manufacturing	<1	8,776	10,154	30,683
Other household nonupholstered furniture manufacturing	<1	1,304	2,139	10,881
Institutional furniture manufacturing	<1	295	316	1,077
Wood office furniture manufacturing	<1	109	141	436
Custom architectural woodwork and millwork	<1	932	906	2,676
Office furniture, except wood, manufacturing	<1	64	112	360
Showcase, partition, shelving, and locker manufacturing	<1	3,365	4,647	14,608
Mattress manufacturing	<1	12,839	22,204	89,884
Blind and shade manufacturing	<1	12,388	12,416	35,179
Surgical and medical instrument manufacturing	<1	13,996	30,224	55,388
Surgical appliance and supplies manufacturing	<1	12,408	36,280	73,709

## Appendix

Dental equipment and supplies manufacturing	<1	137	335	709
Ophthalmic goods manufacturing	<1	1,403	4,229	7,755
Dental laboratories	<1	6,170	7,982	14,544
Jewelry and silverware manufacturing	<1	16,699	30,926	79,241
Sporting and athletic goods manufacturing	<1	9,587	18,760	53,595
Doll, toy, and game manufacturing	<1	5,984	18,284	49,171
Office supplies (except paper) manufacturing	<1	933	1,979	6,601
Sign manufacturing	<1	17,639	17,271	46,660
Gasket, packing, and sealing device manufacturing	<1	10,379	13,104	31,159
Musical instrument manufacturing	<1	178	223	675
Fasteners, buttons, needles, and pins manufacturing	<1	242	336	1,007
Broom, brush, and mop manufacturing	<1	269	563	1,778
Burial casket manufacturing	<1	291	555	1,710
All other miscellaneous manufacturing	<1	23,858	42,454	101,904
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	170,065	342,909	792,639
Wholesale - Professional and commercial equipment and supplies	6	843,834	1,248,605	2,117,340
Wholesale - Household appliances and electrical and electronic goods	4	523,645	1,154,555	2,395,134
Wholesale - Machinery, equipment, and supplies	4	445,405	775,551	1,431,304
Wholesale - Other durable goods merchant wholesalers	7	719,353	1,209,854	2,476,548
Wholesale - Drugs and druggists'sundries	3	429,905	969,845	2,199,180
Wholesale - Grocery and related product wholesalers	6	572,497	826,826	1,661,569
Wholesale - Petroleum and petroleum products	<1	123,366	719,132	962,581
Wholesale - Other nondurable goods merchant wholesalers	9	933,455	1,729,854	3,440,185
Wholesale - Wholesale electronic markets and agents and brokers	2	274,752	308,620	369,765
Retail - Motor vehicle and parts dealers	7	581,423	863,736	1,181,997
Retail - Furniture and home furnishings stores	5	301,446	424,874	670,130

## Appendix

Retail - Electronics and appliance stores	5	283,836	288,243	475,269
Retail - Building material and garden equipment and supplies stores	6	278,720	597,772	837,937
Retail - Food and beverage stores	20	937,641	1,370,183	2,089,027
Retail - Health and personal care stores	9	464,328	607,908	908,795
Retail - Gasoline stores	6	240,017	565,853	1,004,145
Retail - Clothing and clothing accessories stores	9	334,100	611,399	1,194,009
Retail - Sporting goods, hobby, musical instrument and book stores	7	273,896	376,518	585,862
Retail - General merchandise stores	19	755,999	1,300,865	2,080,648
Retail - Miscellaneous store retailers	16	599,817	649,418	1,018,873
Retail - Nonstore retailers	18	388,187	2,283,645	3,941,757
Air transportation	6	834,353	1,825,515	3,406,578
Rail transportation	<1	117,113	403,857	645,706
Water transportation	<1	-2,657	-2,460	18,241
Truck transportation	12	948,203	1,323,081	2,793,463
Transit and ground passenger transportation	16	283,456	397,808	658,009
Pipeline transportation	<1	600,844	581,080	667,224
Scenic and sightseeing transportation and support activities for transportation	10	846,878	711,807	1,105,129
Couriers and messengers	23	462,784	892,521	1,185,148
Warehousing and storage	13	826,917	879,099	1,558,828
Newspaper publishers	1	81,882	124,915	188,635
Periodical publishers	<1	76,730	100,747	181,302
Book publishers	<1	57,644	138,636	312,260
Directory, mailing list, and other publishers	<1	65,687	141,784	229,511
Greeting card publishing	<1	4,668	14,388	26,181
Software publishers	12	2,232,818	3,844,010	5,168,785
Motion picture and video industries	3	191,035	358,787	800,761
Sound recording industries	<1	15,362	148,385	240,292
Radio and television broadcasting	3	562,207	843,766	2,168,533
Cable and other subscription programming	1	193,238	1,181,049	2,744,112
Wired telecommunications carriers	5	539,264	1,438,384	2,534,320

## Appendix

Wireless telecommunications carriers (except satellite)	<1	70,265	815,976	1,809,573
Satellite, telecommunications resellers, and all other telecommunications	1	121,810	161,840	453,407
Data processing, hosting, and related services	9	1,546,951	3,126,951	7,245,122
News syndicates, libraries, archives and all other information services	<1	107,910	161,738	330,590
Internet publishing and broadcasting and web search portals	2	334,568	804,749	3,164,827
Nondepository credit intermediation and related activities	12	1,461,470	1,542,274	2,342,346
Securities and commodity contracts intermediation and brokerage	21	1,194,089	1,071,218	2,416,509
Monetary authorities and depository credit intermediation	18	1,940,661	6,213,421	9,172,484
Other financial investment activities	27	1,409,862	1,688,403	4,811,677
Direct life insurance carriers	3	436,970	770,612	1,117,674
Insurance carriers, except direct life	11	1,111,772	2,898,109	6,926,758
Insurance agencies, brokerages, and related activities	13	1,226,173	1,803,417	4,226,356
Funds, trusts, and other financial vehicles	8	144,397	176,351	1,568,172
Other real estate	125	5,445,298	12,232,821	27,884,395
Tenant-occupied housing	13	528,230	4,040,995	4,377,354
Owner-occupied dwellings	0	0	14,536,963	17,651,505
Automotive equipment rental and leasing	3	208,094	522,610	747,590
General and consumer goods rental except video tapes and discs	3	222,205	349,262	537,314
Video tape and disc rental	<1	65,080	100,473	157,695
Commercial and industrial machinery and equipment rental and leasing	2	226,444	516,702	705,400
Lessors of nonfinancial intangible assets	<1	88,334	1,277,003	1,373,542
Legal services	36	4,260,598	5,909,700	8,306,110
Accounting, tax preparation, bookkeeping, and payroll services	18	1,692,914	2,224,414	3,353,777
Architectural, engineering, and related services	39	3,770,282	4,208,338	7,803,955
Specialized design services	2	162,700	291,300	509,953

## Appendix

Custom computer programming services	10	1,168,275	1,221,944	1,663,431
Computer systems design services	10	1,158,001	1,160,429	1,455,350
Other computer related services, including facilities management	18	2,493,666	3,787,175	6,111,943
Management consulting services	57	6,579,386	6,787,313	10,427,657
Environmental and other technical consulting services	8	789,749	885,609	1,377,056
Scientific research and development services	622	73,016,162	94,039,895	169,407,159
Advertising, public relations, and related services	13	1,124,792	1,794,704	3,657,508
Photographic services	<1	44,723	116,269	237,312
Veterinary services	4	229,572	261,784	401,126
Marketing research and all other miscellaneous professional, scientific, and technical services	15	1,612,691	2,923,567	5,497,241
Management of companies and enterprises	55	8,744,354	9,861,159	15,050,913
Office administrative services	5	454,445	143,769	404,115
Facilities support services	3	154,095	196,948	481,549
Employment services	72	4,354,576	5,609,346	9,110,547
Business support services	16	938,816	779,023	1,369,469
Travel arrangement and reservation services	4	251,093	369,990	1,137,495
Investigation and security services	12	587,257	593,955	856,742
Services to buildings	18	668,033	879,407	1,911,534
Landscape and horticultural services	11	535,928	628,497	1,187,414
Other support services	6	406,404	495,421	946,953
Waste management and remediation services	4	357,722	546,557	1,154,053
Elementary and secondary schools	4	219,825	171,070	213,317
Junior colleges, colleges, universities, and professional schools	81	3,667,959	4,443,606	6,305,054
Other educational services	9	441,537	479,651	907,206
Offices of physicians	24	2,731,625	2,730,771	3,925,802
Offices of dentists	10	724,683	840,737	1,154,408
Offices of other health practitioners	11	657,093	936,161	1,225,691
Outpatient care centers	10	884,186	865,342	1,317,247
Medical and diagnostic laboratories	3	253,667	384,337	539,112
Home health care services	14	738,432	728,805	948,238

## Appendix

Other ambulatory health care services	3	242,844	278,281	410,969
Hospitals	25	2,530,789	2,945,811	5,326,328
Nursing and community care facilities	11	564,328	611,316	988,558
Residential mental retardation, mental health, substance abuse and other facilities	3	156,485	159,671	232,501
Individual and family services	24	883,602	769,007	1,079,207
Child day care services	8	317,676	468,651	605,546
Community food, housing, and other relief services, including rehabilitation services	5	216,431	202,395	418,086
Performing arts companies	3	84,460	137,947	265,983
Commercial Sports Except Racing	11	606,219	386,275	664,924
Racing and Track Operation	<1	11,279	16,847	33,122
Independent artists, writers, and performers	4	152,159	367,218	569,791
Promoters of performing arts and sports and agents for public figures	5	166,252	366,013	823,266
Museums, historical sites, zoos, and parks	1	60,312	69,236	123,138
Amusement parks and arcades	<1	16,197	57,209	65,489
Gambling industries (except casino hotels)	5	260,892	929,964	1,182,652
Other amusement and recreation industries	8	261,958	331,255	442,331
Fitness and recreational sports centers	5	113,266	215,670	313,781
Bowling centers	<1	24,961	44,686	63,962
Hotels and motels, including casino hotels	8	353,774	803,580	1,150,866
Other accommodations	2	75,123	90,974	122,980
Full-service restaurants	54	2,115,933	3,121,772	5,578,490
Limited-service restaurants	45	1,353,942	2,150,665	4,739,769
All other food and drinking places	32	1,157,875	1,755,748	2,753,209
Automotive repair and maintenance, except car washes	18	1,180,680	1,313,065	1,891,179
Car washes	7	520,141	774,060	1,110,767
Electronic and precision equipment repair and maintenance	5	497,874	642,033	968,128
Commercial and industrial machinery and equipment repair and maintenance	4	363,590	418,265	631,787
Personal and household goods repair and maintenance	2	124,883	258,503	357,904

## Appendix

Personal care services	17	548,048	333,175	414,110
Death care services	1	50,771	35,458	50,022
Dry-cleaning and laundry services	5	184,251	118,474	155,903
Other personal services	11	397,773	515,334	720,756
Religious organizations	15	1,018,996	566,322	1,445,672
Grantmaking, giving, and social advocacy organizations	3	241,232	782,426	1,047,696
Business and professional associations	3	259,648	444,275	697,437
Labor and civic organizations	3	187,577	581,884	832,168
Private households	9	174,225	174,225	174,985
Postal service	5	515,429	518,544	522,427
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	19,020	7,359	39,712
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	1	131,162	8,094	49,732
Local government electric utilities	1	143,638	402,907	816,850
Other local government enterprises	5	480,669	626,229	1,944,461
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	16	2,577,530	3,981,928	5,809,945

## Connecticut

## NASA

Table 646: Detailed NASA Impacts by Types of Impact, Connecticut

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	586	58,017,560	86,598,777	138,456,165
Oilseed farming	<1	14	20	168
Grain farming	<1	1,166	6,113	10,323
Vegetable and melon farming	<1	2,190	7,661	10,109
Fruit farming	<1	1,475	5,098	5,368
Tree nut farming	<1	<1	3	3
Greenhouse, nursery, and floriculture production	<1	5,593	15,691	20,609
Tobacco farming	<1	1,510	2,748	3,727
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	934	2,423	3,406
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	499	4,136	6,302
Dairy cattle and milk production	<1	1,175	5,267	16,302
Poultry and egg production	<1	821	2,807	16,123
Animal production, except cattle and poultry and eggs	<1	7,126	34,992	39,636
Forestry, forest products, and timber tract production	<1	1,438	1,535	1,910
Commercial logging	<1	3,396	3,220	4,506
Commercial fishing	<1	3,118	2,984	3,013
Commercial hunting and trapping	<1	844	666	885
Support activities for agriculture and forestry	<1	12,061	9,273	11,333
Oil and gas extraction	<1	557	14	91,116
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	832	2,766	5,251
Sand and gravel mining	<1	3,005	4,905	9,353

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	18	27	63
Phosphate rock mining	<1	9	16	37
Other chemical and fertilizer mineral mining	<1	2	3	6
Other nonmetallic minerals	<1	20	33	75
Drilling oil and gas wells	<1	0	0	1
Support activities for oil and gas operations	<1	8	8	33
Metal mining services	<1	55	-52	1,162
Other nonmetallic minerals services	<1	2	2	54
Electric power generation - Hydroelectric	<1	1,326	4,853	8,304
Electric power generation - Fossil fuel	<1	10,435	61,164	115,071
Electric power generation - Nuclear	<1	42,036	127,106	224,366
Electric power generation - Solar	<1	1,779	6,152	10,190
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,897	8,735	18,343
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	118,157	632,827	1,137,867
Natural gas distribution	<1	41,371	224,763	378,163
Water, sewage and other systems	<1	8,714	24,398	35,018
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	126,339	139,153	371,822
Maintenance and repair construction of residential structures	<1	57,005	66,910	160,941
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	27	31	81
Dog and cat food manufacturing	<1	670	1,625	7,694
Other animal food manufacturing	<1	2,203	4,820	26,709
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	128	312	3,372
Breakfast cereal manufacturing	<1	3,580	8,027	34,836
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	406	547	2,364
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	938	1,310	7,572
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	2,444	3,206	13,320
Canned fruits and vegetables manufacturing	<1	1,480	2,584	9,315
Canned specialties	<1	193	402	1,767
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	864	1,183	12,547
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	4,408	6,548	35,060
Creamery butter manufacturing	<1	467	1,446	9,324
Ice cream and frozen dessert manufacturing	<1	2,588	3,469	14,085

## Appendix

Frozen cakes and other pastries manufacturing	<1	5,249	7,209	13,031
Poultry processing	<1	1,125	1,358	4,860
Animal, except poultry, slaughtering	<1	1,076	1,577	8,580
Meat processed from carcasses	<1	4,339	4,797	32,798
Rendering and meat byproduct processing	<1	263	400	1,611
Seafood product preparation and packaging	<1	1,055	1,367	5,639
Bread and bakery product, except frozen, manufacturing	<1	19,656	26,844	61,930
Cookie and cracker manufacturing	<1	38	54	539
Dry pasta, mixes, and dough manufacturing	<1	1,438	2,954	11,406
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	1,300	2,096	7,709
Other snack food manufacturing	<1	7,212	17,659	58,793
Coffee and tea manufacturing	<1	1,504	2,555	10,353
Flavoring syrup and concentrate manufacturing	<1	82	501	820
Mayonnaise, dressing, and sauce manufacturing	<1	54	96	338
Spice and extract manufacturing	<1	792	1,192	3,530
All other food manufacturing	<1	2,174	2,927	12,562
Bottled and canned soft drinks & water	<1	6,562	10,748	44,399
Manufactured ice	<1	297	218	906
Breweries	<1	5,971	11,516	37,428
Wineries	<1	2,566	4,212	18,586
Distilleries	<1	3,821	10,872	21,961
Tobacco product manufacturing	<1	950	20,942	34,421
Fiber, yarn, and thread mills	<1	226	295	1,500
Broadwoven fabric mills	<1	36	49	208
Narrow fabric mills and schiffli machine embroidery	<1	51	58	182
Nonwoven fabric mills	<1	772	1,094	4,673
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	212	262	944
Fabric coating mills	<1	1,928	2,302	8,990
Carpet and rug mills	<1	1,607	2,205	7,547
Curtain and linen mills	<1	206	239	696
Textile bag and canvas mills	<1	2,270	2,682	6,864
Rope, cordage, twine, tire cord and tire fabric mills	<1	342	429	939

## Appendix

Other textile product mills	<1	165	188	587
Hosiery and sock mills	<1	34	53	112
Other apparel knitting mills	<1	44	68	152
Cut and sew apparel contractors	<1	89	115	335
Men's and boys' cut and sew apparel manufacturing	<1	43	63	222
Women's and girls' cut and sew apparel manufacturing	<1	52	81	497
Other cut and sew apparel manufacturing	<1	37	57	197
Apparel accessories and other apparel manufacturing	<1	81	119	461
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	414	519	849
Sawmills	<1	1,292	1,247	9,188
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	211	196	1,095
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	538	505	1,896
Cut stock, resawing lumber, and planing	<1	109	101	653
Other millwork, including flooring	<1	3,854	3,472	14,776
Wood container and pallet manufacturing	<1	2,697	2,485	10,784
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	331	279	1,511
All other miscellaneous wood product manufacturing	<1	2,065	1,869	8,387
Pulp mills	0	0	0	0
Paper mills	<1	18,372	46,336	122,663
Paperboard mills	<1	912	2,120	6,013
Paperboard container manufacturing	<1	11,491	19,133	65,306
Paper bag and coated and treated paper manufacturing	<1	8,103	13,940	38,024
Stationery product manufacturing	<1	199	277	1,118

## Appendix

Sanitary paper product manufacturing	<1	1,246	4,144	8,774
All other converted paper product manufacturing	<1	1,215	2,249	4,959
Printing	<1	69,961	95,544	176,606
Support activities for printing	<1	2,076	2,773	4,060
Petroleum refineries	<1	1,323	13,302	94,242
Asphalt paving mixture and block manufacturing	<1	1,763	2,705	10,638
Asphalt shingle and coating materials manufacturing	<1	134	523	1,231
Petroleum lubricating oil and grease manufacturing	<1	1,160	3,157	11,214
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	12,417	30,420	41,811
Synthetic dye and pigment manufacturing	<1	5,710	9,965	13,536
Other basic inorganic chemical manufacturing	<1	797	1,484	3,600
Other basic organic chemical manufacturing	<1	6,128	14,416	67,509
Plastics material and resin manufacturing	<1	3,764	6,480	29,593
Synthetic rubber manufacturing	<1	52	71	214
Artificial and synthetic fibers and filaments manufacturing	<1	334	464	1,335
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	395	708	1,981
Pesticide and other agricultural chemical manufacturing	<1	2,643	7,334	22,683
Medicinal and botanical manufacturing	<1	4,894	6,742	12,188
Pharmaceutical preparation manufacturing	<1	7,629	17,698	43,992
In-vitro diagnostic substance manufacturing	<1	3,017	3,735	5,729
Biological product (except diagnostic) manufacturing	<1	7,592	17,042	26,322
Paint and coating manufacturing	<1	8,410	14,018	28,532
Adhesive manufacturing	<1	8,591	12,315	30,101
Soap and other detergent manufacturing	<1	2,472	5,226	14,348
Polish and other sanitation good manufacturing	<1	3,174	4,389	8,404

## Appendix

Surface active agent manufacturing	<1	1,279	3,844	7,937
Toilet preparation manufacturing	<1	2,849	6,786	13,073
Printing ink manufacturing	<1	509	563	1,435
Explosives manufacturing	<1	487	564	1,402
Custom compounding of purchased resins	<1	8,029	13,475	29,669
Photographic film and chemical manufacturing	<1	5,181	9,895	21,229
Other miscellaneous chemical product manufacturing	<1	5,671	8,209	21,227
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,277	3,404	9,387
Unlaminated plastics profile shape manufacturing	<1	3,059	6,115	21,089
Plastics pipe and pipe fitting manufacturing	<1	132	329	1,253
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,022	1,594	5,352
Polystyrene foam product manufacturing	<1	828	1,377	5,334
Urethane and other foam product (except polystyrene) manufacturing	<1	3,084	4,904	18,709
Plastics bottle manufacturing	<1	261	391	2,036
Other plastics product manufacturing	<1	21,367	30,214	93,809
Tire manufacturing	<1	1,080	1,399	6,107
Rubber and plastics hoses and belting manufacturing	<1	73	110	371
Other rubber product manufacturing	<1	4,365	5,366	15,630
Pottery, ceramics, and plumbing fixture manufacturing	<1	271	341	767
Brick, tile, and other structural clay product manufacturing	<1	251	325	989
Flat glass manufacturing	<1	120	164	495
Other pressed and blown glass and glassware manufacturing	<1	44	57	162
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	701	919	2,895
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	2,458	3,079	11,865
Concrete block and brick manufacturing	<1	1,015	1,298	3,594
Concrete pipe manufacturing	0	0	0	0



## Appendix

Other concrete product manufacturing	<1	4,267	4,999	13,016
Lime manufacturing	<1	1,432	1,995	7,240
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	1,448	2,001	3,781
Cut stone and stone product manufacturing	<1	3,272	3,658	8,784
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	150	235	751
Miscellaneous nonmetallic mineral products manufacturing	<1	122	175	518
Iron and steel mills and ferroalloy manufacturing	<1	4,818	6,702	52,209
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	4,107	5,612	46,063
Steel wire drawing	<1	1,423	1,634	10,356
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,082	1,316	7,424
Other aluminum rolling, drawing and extruding	<1	360	386	2,122
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	5,990	7,347	97,201
Nonferrous metal, except copper and aluminum, shaping	<1	4,107	4,354	18,265
Secondary processing of other nonferrous metals	<1	7	9	63
Ferrous metal foundries	<1	1,372	1,360	4,606
Nonferrous metal foundries	<1	779	796	2,304
Custom roll forming	<1	407	612	2,946
Crown and closure manufacturing and metal stamping	<1	27,056	36,190	100,709
Iron and steel forging	<1	3,310	4,671	14,403
Nonferrous forging	<1	766	1,006	2,980
Cutlery, utensil, pot, and pan manufacturing	<1	5,055	11,230	27,693
Handtool manufacturing	<1	4,583	7,576	15,551
Prefabricated metal buildings and components manufacturing	<1	153	238	753

## Appendix

Fabricated structural metal manufacturing	<1	2,770	4,269	11,529
Plate work manufacturing	<1	2,327	2,745	8,572
Metal window and door manufacturing	<1	2,826	4,031	9,264
Sheet metal work manufacturing	<1	4,843	6,781	17,554
Ornamental and architectural metal work manufacturing	<1	2,717	3,377	7,755
Power boiler and heat exchanger manufacturing	<1	43	61	170
Metal tank (heavy gauge) manufacturing	<1	20	26	84
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	1,077	1,464	5,595
Hardware manufacturing	<1	11,500	17,335	41,971
Spring and wire product manufacturing	<1	3,983	5,373	14,823
Machine shops	<1	46,062	55,502	106,838
Turned product and screw, nut, and bolt manufacturing	<1	12,524	16,473	43,689
Metal heat treating	<1	3,888	5,244	13,066
Metal coating and nonprecious engraving	<1	6,185	11,185	28,994
Electroplating, anodizing, and coloring metal	<1	38,119	41,597	94,144
Valve and fittings, other than plumbing, manufacturing	<1	14,634	23,084	64,922
Plumbing fixture fitting and trim manufacturing	<1	440	1,079	3,519
Ball and roller bearing manufacturing	<1	5,881	9,805	25,485
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	111	129	255
Small arms, ordnance, and accessories manufacturing	<1	8,966	19,213	41,102
Fabricated pipe and pipe fitting manufacturing	<1	150	195	566
Other fabricated metal manufacturing	<1	5,487	7,501	19,521
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	352	505	2,683
Construction machinery manufacturing	<1	73	116	379
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	14	15	52
Semiconductor machinery manufacturing	<1	267	292	999
Food product machinery manufacturing	<1	9	11	40
Sawmill, woodworking, and paper machinery	<1	5	5	19
Printing machinery and equipment manufacturing	<1	19	20	62
All other industrial machinery manufacturing	<1	105	115	330
Optical instrument and lens manufacturing	<1	240	270	651
Photographic and photocopying equipment manufacturing	<1	224	242	653
Other commercial service industry machinery manufacturing	<1	896	1,052	3,159
Air purification and ventilation equipment manufacturing	<1	490	551	1,523
Heating equipment (except warm air furnaces) manufacturing	<1	599	720	2,311
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	74	94	373
Industrial mold manufacturing	<1	584	628	1,392
Special tool, die, jig, and fixture manufacturing	<1	895	969	1,922
Cutting tool and machine tool accessory manufacturing	<1	555	593	1,495
Machine tool manufacturing	<1	281	308	901
Rolling mill and other metalworking machinery manufacturing	<1	675	748	1,688
Turbine and turbine generator set units manufacturing	<1	49	51	141
Speed changer, industrial high-speed drive, and gear manufacturing	<1	89	101	362
Mechanical power transmission equipment manufacturing	<1	7,209	10,393	25,051
Other engine equipment manufacturing	<1	488	745	4,256
Pump and pumping equipment manufacturing	<1	61	75	316
Air and gas compressor manufacturing	<1	11	13	45
Elevator and moving stairway manufacturing	<1	4	4	19

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	6	32
Industrial truck, trailer, and stacker manufacturing	<1	1	2	9
Power-driven handtool manufacturing	<1	66	108	433
Welding and soldering equipment manufacturing	<1	2,520	3,685	11,415
Packaging machinery manufacturing	<1	72	84	302
Industrial process furnace and oven manufacturing	<1	64	69	189
Fluid power cylinder and actuator manufacturing	<1	114	135	425
Fluid power pump and motor manufacturing	<1	14	17	67
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	216	234	670
Electronic computer manufacturing	<1	55	83	528
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	169	240	1,008
Telephone apparatus manufacturing	<1	94	146	416
Broadcast and wireless communications equipment manufacturing	4	652,300	859,728	1,997,231
Other communications equipment manufacturing	<1	477	713	2,204
Audio and video equipment manufacturing	<1	59	93	464
Printed circuit assembly (electronic assembly) manufacturing	<1	25,204	37,685	160,535
Bare printed circuit board manufacturing	<1	2,256	2,772	8,541
Semiconductor and related device manufacturing	<1	7,922	12,025	47,681
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	40,023	50,207	136,103
Electronic connector manufacturing	<1	25,179	31,413	72,939
Other electronic component manufacturing	<1	23,507	29,246	88,955

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	16	23	75
Search, detection, and navigation instruments manufacturing	<1	31	43	131
Automatic environmental control manufacturing	<1	610	778	1,893
Industrial process variable instruments manufacturing	<1	45,390	65,630	167,596
Totalizing fluid meter and counting device manufacturing	<1	132	238	708
Electricity and signal testing instruments manufacturing	<1	118	142	466
Analytical laboratory instrument manufacturing	<1	40,771	61,086	142,375
Irradiation apparatus manufacturing	<1	48	76	234
Watch, clock, and other measuring and controlling device manufacturing	<1	9,354	12,689	40,685
Blank magnetic and optical recording media manufacturing	<1	13	41	325
Software and other prerecorded and record reproducing	<1	10	15	66
Electric lamp bulb and part manufacturing	<1	652	1,198	2,227
Lighting fixture manufacturing	<1	1,240	1,765	5,195
Small electrical appliance manufacturing	<1	611	1,608	3,064
Household cooking appliance manufacturing	<1	479	1,464	2,652
Household refrigerator and home freezer manufacturing	<1	600	1,680	2,941
Household laundry equipment manufacturing	<1	1,900	3,700	7,959
Other major household appliance manufacturing	<1	234	782	1,252
Power, distribution, and specialty transformer manufacturing	<1	9	15	33
Motor and generator manufacturing	<1	734	1,557	3,896
Switchgear and switchboard apparatus manufacturing	<1	483	1,010	2,369
Relay and industrial control manufacturing	<1	1,422	2,092	5,666
Storage battery manufacturing	<1	336	624	1,748
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	3,595	5,904	21,160

## Appendix

Other communication and energy wire manufacturing	<1	1,813	3,800	13,301
Wiring device manufacturing	<1	6,894	16,656	35,379
Carbon and graphite product manufacturing	<1	174	294	850
All other miscellaneous electrical equipment and component manufacturing	<1	1,590	1,903	4,754
Automobile manufacturing	<1	1,235	2,330	12,971
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	42	64	315
Motor vehicle body manufacturing	<1	7	8	36
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	607	857	4,057
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,458	1,881	10,108
Motor vehicle electrical and electronic equipment manufacturing	<1	13,336	15,364	62,302
Motor vehicle transmission and power train parts manufacturing	<1	2,241	2,742	15,939
Motor vehicle seating and interior trim manufacturing	<1	365	405	1,983
Motor vehicle metal stamping	<1	1,497	1,673	5,972
Other motor vehicle parts manufacturing	<1	18,991	22,048	101,057
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	14,094	17,057	71,030
Aircraft manufacturing	<1	134	298	510
Aircraft engine and engine parts manufacturing	<1	3,841	13,358	21,189
Other aircraft parts and auxiliary equipment manufacturing	<1	8,705	14,874	22,952
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	2,010	3,511	5,888
Boat building	<1	324	631	1,602
Motorcycle, bicycle, and parts manufacturing	<1	13	81	150

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	40	133	451
Wood kitchen cabinet and countertop manufacturing	<1	2,510	2,748	7,119
Upholstered household furniture manufacturing	<1	117	123	401
Nonupholstered wood household furniture manufacturing	<1	458	483	1,405
Other household nonupholstered furniture manufacturing	<1	597	746	3,065
Institutional furniture manufacturing	<1	16	16	58
Wood office furniture manufacturing	<1	18	19	51
Custom architectural woodwork and millwork	<1	315	297	798
Office furniture, except wood, manufacturing	<1	32	37	149
Showcase, partition, shelving, and locker manufacturing	<1	19	21	72
Mattress manufacturing	<1	1,634	2,093	11,213
Blind and shade manufacturing	<1	89	90	353
Surgical and medical instrument manufacturing	<1	5,241	15,429	24,052
Surgical appliance and supplies manufacturing	<1	1,529	6,387	10,024
Dental equipment and supplies manufacturing	<1	113	380	654
Ophthalmic goods manufacturing	<1	70	308	444
Dental laboratories	<1	441	656	1,127
Jewelry and silverware manufacturing	<1	868	1,735	4,219
Sporting and athletic goods manufacturing	<1	474	1,227	2,816
Doll, toy, and game manufacturing	<1	55	250	713
Office supplies (except paper) manufacturing	<1	291	834	1,652
Sign manufacturing	<1	2,985	2,993	6,847
Gasket, packing, and sealing device manufacturing	<1	5,874	6,925	15,350
Musical instrument manufacturing	<1	100	144	366
Fasteners, buttons, needles, and pins manufacturing	<1	888	1,443	2,863

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	244	605	1,266
All other miscellaneous manufacturing	<1	2,172	4,972	9,741
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	38,362	90,001	188,007
Wholesale - Professional and commercial equipment and supplies	1	217,192	354,220	570,782
Wholesale - Household appliances and electrical and electronic goods	2	303,468	778,293	1,512,544
Wholesale - Machinery, equipment, and supplies	<1	95,381	188,401	311,161
Wholesale - Other durable goods merchant wholesalers	1	152,880	292,607	549,658
Wholesale - Drugs and druggistsâ€™ sundries	<1	118,082	306,226	580,898
Wholesale - Grocery and related product wholesalers	1	127,924	201,415	373,082
Wholesale - Petroleum and petroleum products	<1	10,734	135,367	159,579
Wholesale - Other nondurable goods merchant wholesalers	2	218,103	480,084	794,652
Wholesale - Wholesale electronic markets and agents and brokers	<1	163,269	188,267	210,351
Retail - Motor vehicle and parts dealers	2	142,360	199,496	274,198
Retail - Furniture and home furnishings stores	1	76,771	103,651	162,325
Retail - Electronics and appliance stores	1	79,698	70,564	114,739
Retail - Building material and garden equipment and supplies stores	1	88,035	160,752	225,228
Retail - Food and beverage stores	6	267,543	360,214	563,758
Retail - Health and personal care stores	2	139,149	172,620	255,585
Retail - Gasoline stores	1	84,238	136,494	226,042
Retail - Clothing and clothing accessories stores	2	102,827	162,429	316,141
Retail - Sporting goods, hobby, musical instrument and book stores	2	63,223	84,411	133,173
Retail - General merchandise stores	4	156,239	254,955	418,495
Retail - Miscellaneous store retailers	4	149,367	155,103	234,562
Retail - Nonstore retailers	4	156,545	691,997	1,035,649
Air transportation	<1	43,994	94,492	163,456



## Appendix

Rail transportation	<1	30,277	18,423	129,106
Water transportation	<1	20,984	37,648	185,224
Truck transportation	2	197,246	280,151	572,167
Transit and ground passenger transportation	5	181,856	209,947	289,258
Pipeline transportation	<1	110,607	120,237	113,330
Scenic and sightseeing transportation and support activities for transportation	1	177,531	150,535	197,300
Couriers and messengers	4	124,407	225,728	278,780
Warehousing and storage	4	216,057	232,446	440,153
Newspaper publishers	<1	18,908	30,160	44,257
Periodical publishers	<1	22,048	30,632	52,660
Book publishers	<1	13,436	33,165	68,931
Directory, mailing list, and other publishers	<1	8,950	20,270	34,318
Greeting card publishing	<1	1,557	4,910	8,477
Software publishers	8	1,623,460	3,178,322	3,998,067
Motion picture and video industries	<1	100,322	188,183	278,931
Sound recording industries	<1	2,701	23,086	36,188
Radio and television broadcasting	<1	177,408	356,616	598,801
Cable and other subscription programming	<1	74,040	834,608	1,210,244
Wired telecommunications carriers	<1	145,417	454,307	627,187
Wireless telecommunications carriers (except satellite)	<1	15,676	221,017	345,059
Satellite, telecommunications resellers, and all other telecommunications	<1	6,544	8,664	19,433
Data processing, hosting, and related services	1	184,106	317,412	832,331
News syndicates, libraries, archives and all other information services	<1	40,602	57,948	121,322
Internet publishing and broadcasting and web search portals	1	306,418	652,793	2,153,579
Nondepository credit intermediation and related activities	1	214,662	227,529	296,794
Securities and commodity contracts intermediation and brokerage	3	681,041	263,005	480,461
Monetary authorities and depository credit intermediation	3	525,435	1,606,504	2,109,426

## Appendix

Other financial investment activities	6	1,032,254	1,073,207	1,672,293
Direct life insurance carriers	1	232,844	496,943	595,418
Insurance carriers, except direct life	2	445,396	1,543,519	2,280,385
Insurance agencies, brokerages, and related activities	2	281,070	490,306	843,749
Funds, trusts, and other financial vehicles	1	41,791	73,749	247,661
Other real estate	27	141,978	1,752,025	5,124,647
Tenant-occupied housing	2	12,259	780,962	839,773
Owner-occupied dwellings	0	0	3,401,927	4,105,562
Automotive equipment rental and leasing	<1	147,816	195,687	220,612
General and consumer goods rental except video tapes and discs	<1	84,223	101,069	119,915
Video tape and disc rental	<1	14,020	21,458	32,752
Commercial and industrial machinery and equipment rental and leasing	<1	145,492	199,405	219,629
Lessors of nonfinancial intangible assets	<1	11,831	207,628	215,190
Legal services	6	694,102	1,287,218	1,694,842
Accounting, tax preparation, bookkeeping, and payroll services	3	367,123	457,416	654,921
Architectural, engineering, and related services	3	295,900	323,164	559,522
Specialized design services	<1	25,890	42,086	70,825
Custom computer programming services	2	216,400	215,704	287,949
Computer systems design services	3	397,196	323,218	417,378
Other computer related services, including facilities management	<1	119,875	135,133	252,418
Management consulting services	8	1,159,727	1,191,907	1,696,157
Environmental and other technical consulting services	<1	105,543	116,284	173,627
Scientific research and development services	85	11,002,729	13,939,637	24,211,393
Advertising, public relations, and related services	3	335,944	523,914	958,677
Photographic services	<1	6,739	16,109	34,792
Veterinary services	<1	56,010	62,357	90,818
Marketing research and all other miscellaneous professional, scientific, and technical services	2	269,340	436,581	787,142
Management of companies and enterprises	11	2,538,070	2,343,528	3,389,827

## Appendix

Office administrative services	3	317,137	137,670	298,085
Facilities support services	<1	4,680	6,217	12,957
Employment services	15	1,036,437	1,397,430	2,129,216
Business support services	1	100,821	88,450	139,443
Travel arrangement and reservation services	<1	63,141	97,317	223,270
Investigation and security services	2	106,331	107,847	152,297
Services to buildings	4	174,687	239,044	485,791
Landscape and horticultural services	2	130,060	155,885	276,334
Other support services	<1	65,779	81,841	142,718
Waste management and remediation services	<1	84,621	141,279	274,981
Elementary and secondary schools	3	225,174	192,893	220,648
Junior colleges, colleges, universities, and professional schools	21	1,588,868	2,077,673	2,543,920
Other educational services	2	85,479	100,848	185,926
Offices of physicians	8	997,360	1,004,190	1,376,850
Offices of dentists	2	193,905	219,429	292,605
Offices of other health practitioners	2	148,460	200,037	256,992
Outpatient care centers	3	205,709	202,357	313,730
Medical and diagnostic laboratories	<1	52,284	73,619	104,108
Home health care services	3	212,142	210,843	258,732
Other ambulatory health care services	<1	62,631	70,268	105,631
Hospitals	13	1,312,583	1,624,574	2,810,987
Nursing and community care facilities	5	302,659	357,022	524,444
Residential mental retardation, mental health, substance abuse and other facilities	3	153,633	170,973	237,412
Individual and family services	11	451,277	393,504	531,737
Child day care services	3	127,854	188,753	245,495
Community food, housing, and other relief services, including rehabilitation services	2	112,696	105,287	215,499
Performing arts companies	<1	30,171	47,044	82,682
Commercial Sports Except Racing	<1	30,139	35,636	45,592
Racing and Track Operation	<1	9,046	13,055	19,746
Independent artists, writers, and performers	1	54,280	121,688	176,590

## Appendix

Promoters of performing arts and sports and agents for public figures	1	54,660	112,744	226,808
Museums, historical sites, zoos, and parks	<1	24,284	31,204	51,233
Amusement parks and arcades	<1	2,269	7,362	8,598
Gambling industries (except casino hotels)	<1	17,538	83,724	101,894
Other amusement and recreation industries	1	51,002	68,153	87,980
Fitness and recreational sports centers	1	27,660	44,362	65,169
Bowling centers	<1	3,879	6,547	9,676
Hotels and motels, including casino hotels	<1	28,374	51,969	72,841
Other accommodations	<1	15,808	20,597	25,108
Full-service restaurants	11	466,630	637,299	1,130,453
Limited-service restaurants	7	252,897	369,935	779,158
All other food and drinking places	6	285,427	369,514	563,765
Automotive repair and maintenance, except car washes	4	309,617	339,889	456,884
Car washes	2	143,659	200,014	282,531
Electronic and precision equipment repair and maintenance	128	14,497,037	19,584,626	27,232,728
Commercial and industrial machinery and equipment repair and maintenance	1	169,641	192,784	253,831
Personal and household goods repair and maintenance	<1	33,314	60,551	80,641
Personal care services	4	142,115	81,768	99,566
Death care services	<1	31,842	21,370	27,811
Dry-cleaning and laundry services	3	130,917	80,091	99,792
Other personal services	2	84,406	104,391	137,817
Religious organizations	4	256,469	104,961	366,522
Grantmaking, giving, and social advocacy organizations	<1	91,078	248,862	335,738
Business and professional associations	<1	50,740	78,186	117,055
Labor and civic organizations	2	57,007	154,764	269,923
Private households	2	56,818	56,818	56,818
Postal service	1	138,285	139,481	139,533
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,889	6,915	12,431
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	20,494	22,860	37,839
Local government passenger transit	<1	17,603	-4,653	2,007
Local government electric utilities	<1	8,468	17,240	38,407
Other local government enterprises	2	190,755	249,886	800,809
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	9	1,428,800	2,209,975	4,044,201

## Moon to Mars Campaign

**Table 647: Detailed M2M Campaign Impacts by Types of Impact, Connecticut**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>72</i>	<i>7,402,502</i>	<i>11,012,240</i>	<i>18,682,675</i>
Oilseed farming	<1	4	5	35
Grain farming	<1	150	1,098	1,358
Vegetable and melon farming	<1	263	978	1,240
Fruit farming	<1	197	694	718
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	655	1,950	2,465
Tobacco farming	<1	315	583	845

Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	100	276	376
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	66	635	904
Dairy cattle and milk production	<1	156	768	2,150
Poultry and egg production	<1	89	324	1,739
Animal production, except cattle and poultry and eggs	<1	924	5,359	5,859
Forestry, forest products, and timber tract production	<1	249	268	327
Commercial logging	<1	413	414	556
Commercial fishing	<1	536	392	392
Commercial hunting and trapping	<1	157	80	105
Support activities for agriculture and forestry	<1	1,918	1,499	1,831
Oil and gas extraction	<1	51	1	10,541
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	112	367	695
Sand and gravel mining	<1	579	948	1,758
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	2	4	8
Phosphate rock mining	<1	1	2	5
Other chemical and fertilizer mineral mining	<1	<1	<1	1
Other nonmetallic minerals	<1	4	7	16
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	4
Metal mining services	<1	10	-10	234
Other nonmetallic minerals services	<1	<1	<1	9
Electric power generation - Hydroelectric	<1	227	811	1,369

Appendix

Electric power generation - Fossil fuel	<1	1,717	9,204	17,367
Electric power generation - Nuclear	<1	7,149	21,462	37,667
Electric power generation - Solar	<1	269	930	1,547
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	294	1,359	2,925
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	16,452	84,314	151,414
Natural gas distribution	<1	5,953	31,532	52,071
Water, sewage and other systems	<1	1,153	3,118	4,388
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	18,071	20,349	53,014
Maintenance and repair construction of residential structures	<1	6,826	8,161	19,282
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	4	11
Dog and cat food manufacturing	<1	72	176	823
Other animal food manufacturing	<1	316	717	3,878
Flour milling	0	0	0	0

Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	19	46	493
Breakfast cereal manufacturing	<1	362	803	3,433
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	50	66	285
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	120	171	958
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	294	384	1,608
Canned fruits and vegetables manufacturing	<1	211	374	1,330
Canned specialties	<1	25	53	231
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	113	155	1,711
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	577	877	4,650
Creamery butter manufacturing	<1	62	192	1,237
Ice cream and frozen dessert manufacturing	<1	328	446	1,777
Frozen cakes and other pastries manufacturing	<1	659	907	1,632
Poultry processing	<1	117	145	519
Animal, except poultry, slaughtering	<1	115	171	933
Meat processed from carcasses	<1	558	621	4,228
Rendering and meat byproduct processing	<1	35	53	214
Seafood product preparation and packaging	<1	127	169	673
Bread and bakery product, except frozen, manufacturing	<1	2,428	3,335	7,680
Cookie and cracker manufacturing	<1	5	8	74
Dry pasta, mixes, and dough manufacturing	<1	167	344	1,383
Tortilla manufacturing	0	0	0	0



## Appendix

Roasted nuts and peanut butter manufacturing	<1	171	287	1,015
Other snack food manufacturing	<1	885	2,175	7,177
Coffee and tea manufacturing	<1	181	313	1,269
Flavoring syrup and concentrate manufacturing	<1	14	89	143
Mayonnaise, dressing, and sauce manufacturing	<1	7	13	45
Spice and extract manufacturing	<1	120	186	540
All other food manufacturing	<1	275	371	1,611
Bottled and canned soft drinks & water	<1	748	1,241	5,136
Manufactured ice	<1	36	27	107
Breweries	<1	708	1,411	4,571
Wineries	<1	387	645	2,767
Distilleries	<1	466	1,403	2,739
Tobacco product manufacturing	<1	118	3,084	4,719
Fiber, yarn, and thread mills	<1	26	34	168
Broadwoven fabric mills	<1	4	6	25
Narrow fabric mills and schiffli machine embroidery	<1	7	8	24
Nonwoven fabric mills	<1	150	229	902
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	41	51	179
Fabric coating mills	<1	320	386	1,440
Carpet and rug mills	<1	183	261	830
Curtain and linen mills	<1	27	32	91
Textile bag and canvas mills	<1	312	382	940
Rope, cordage, twine, tire cord and tire fabric mills	<1	42	57	117
Other textile product mills	<1	22	26	78
Hosiery and sock mills	<1	4	7	14
Other apparel knitting mills	<1	6	9	19
Cut and sew apparel contractors	<1	18	23	65
Men's and boys' cut and sew apparel manufacturing	<1	6	9	32
Women's and girls' cut and sew apparel manufacturing	<1	7	12	70
Other cut and sew apparel manufacturing	<1	6	9	29
Apparel accessories and other apparel manufacturing	<1	12	17	63
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	56	72	113

## Appendix

Sawmills	<1	159	152	1,118
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	31	29	161
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	72	67	250
Cut stock, resawing lumber, and planing	<1	13	12	79
Other millwork, including flooring	<1	544	481	2,038
Wood container and pallet manufacturing	<1	307	281	1,219
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	39	33	175
All other miscellaneous wood product manufacturing	<1	334	286	1,256
Pulp mills	0	0	0	0
Paper mills	<1	1,897	4,346	12,502
Paperboard mills	<1	103	227	675
Paperboard container manufacturing	<1	1,551	2,616	9,131
Paper bag and coated and treated paper manufacturing	<1	1,122	1,879	5,182
Stationery product manufacturing	<1	30	40	158
Sanitary paper product manufacturing	<1	150	481	1,057
All other converted paper product manufacturing	<1	165	299	678
Printing	<1	8,989	12,543	22,547
Support activities for printing	<1	277	374	539
Petroleum refineries	<1	171	1,868	12,427
Asphalt paving mixture and block manufacturing	<1	225	354	1,336
Asphalt shingle and coating materials manufacturing	<1	19	81	178
Petroleum lubricating oil and grease manufacturing	<1	369	1,105	3,460
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,724	4,569	5,943

## Appendix

Synthetic dye and pigment manufacturing	<1	941	1,730	2,365
Other basic inorganic chemical manufacturing	<1	122	246	566
Other basic organic chemical manufacturing	<1	792	1,960	8,944
Plastics material and resin manufacturing	<1	512	932	4,129
Synthetic rubber manufacturing	<1	7	10	30
Artificial and synthetic fibers and filaments manufacturing	<1	65	87	260
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	57	112	294
Pesticide and other agricultural chemical manufacturing	<1	319	951	2,878
Medicinal and botanical manufacturing	<1	807	1,126	1,925
Pharmaceutical preparation manufacturing	<1	1,090	2,642	6,388
In-vitro diagnostic substance manufacturing	<1	543	655	1,024
Biological product (except diagnostic) manufacturing	<1	1,648	3,636	5,388
Paint and coating manufacturing	<1	892	1,579	3,140
Adhesive manufacturing	<1	1,593	2,381	5,609
Soap and other detergent manufacturing	<1	376	861	2,131
Polish and other sanitation good manufacturing	<1	509	748	1,364
Surface active agent manufacturing	<1	177	569	1,105
Toilet preparation manufacturing	<1	407	1,018	1,906
Printing ink manufacturing	<1	56	60	156
Explosives manufacturing	<1	81	97	242
Custom compounding of purchased resins	<1	889	1,626	3,361
Photographic film and chemical manufacturing	<1	861	1,760	3,426
Other miscellaneous chemical product manufacturing	<1	698	1,059	2,686
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	427	643	1,748
Unlaminated plastics profile shape manufacturing	<1	391	801	2,641
Plastics pipe and pipe fitting manufacturing	<1	21	54	203

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	93	147	496
Polystyrene foam product manufacturing	<1	114	194	738
Urethane and other foam product (except polystyrene) manufacturing	<1	506	818	3,062
Plastics bottle manufacturing	<1	31	47	243
Other plastics product manufacturing	<1	2,586	3,744	11,290
Tire manufacturing	<1	119	159	678
Rubber and plastics hoses and belting manufacturing	<1	7	11	38
Other rubber product manufacturing	<1	832	1,028	3,087
Pottery, ceramics, and plumbing fixture manufacturing	<1	39	49	108
Brick, tile, and other structural clay product manufacturing	<1	33	42	129
Flat glass manufacturing	<1	16	21	63
Other pressed and blown glass and glassware manufacturing	<1	8	11	29
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	96	122	391
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	397	481	1,876
Concrete block and brick manufacturing	<1	172	212	603
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	589	670	1,786
Lime manufacturing	<1	156	204	776
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	295	391	750
Cut stone and stone product manufacturing	<1	410	453	1,088
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	26	39	123
Miscellaneous nonmetallic mineral products manufacturing	<1	25	33	97
Iron and steel mills and ferroalloy manufacturing	<1	368	507	4,098
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0

## Appendix

Rolled steel shape manufacturing	<1	389	555	4,583
Steel wire drawing	<1	197	227	1,450
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	211	263	1,493
Other aluminum rolling, drawing and extruding	<1	75	81	446
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1,323	1,669	21,319
Nonferrous metal, except copper and aluminum, shaping	<1	692	734	3,074
Secondary processing of other nonferrous metals	<1	<1	<1	6
Ferrous metal foundries	<1	189	198	671
Nonferrous metal foundries	<1	104	108	311
Custom roll forming	<1	72	108	523
Crown and closure manufacturing and metal stamping	<1	3,331	4,454	12,292
Iron and steel forging	<1	858	1,213	3,725
Nonferrous forging	<1	179	236	699
Cutlery, utensil, pot, and pan manufacturing	<1	614	1,302	3,209
Handtool manufacturing	<1	581	966	1,961
Prefabricated metal buildings and components manufacturing	<1	31	46	149
Fabricated structural metal manufacturing	<1	504	771	2,086
Plate work manufacturing	<1	304	359	1,108
Metal window and door manufacturing	<1	564	801	1,819
Sheet metal work manufacturing	<1	1,000	1,381	3,530
Ornamental and architectural metal work manufacturing	<1	464	570	1,298
Power boiler and heat exchanger manufacturing	<1	7	11	30
Metal tank (heavy gauge) manufacturing	<1	5	7	22
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	360	494	1,852
Hardware manufacturing	<1	1,735	2,571	6,206
Spring and wire product manufacturing	<1	612	822	2,270

Appendix

Machine shops	<1	7,180	8,611	16,462
Turned product and screw, nut, and bolt manufacturing	<1	3,095	4,062	10,780
Metal heat treating	<1	480	650	1,623
Metal coating and nonprecious engraving	<1	817	1,475	3,812
Electroplating, anodizing, and coloring metal	<1	1,012	1,122	2,405
Valve and fittings, other than plumbing, manufacturing	<1	701	1,077	3,063
Plumbing fixture fitting and trim manufacturing	<1	79	187	638
Ball and roller bearing manufacturing	<1	534	889	2,298
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	14	17	33
Small arms, ordnance, and accessories manufacturing	<1	1,120	2,374	4,946
Fabricated pipe and pipe fitting manufacturing	<1	17	22	65
Other fabricated metal manufacturing	<1	506	684	1,758
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	49	72	366
Construction machinery manufacturing	<1	12	20	62
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	2	2	6
Semiconductor machinery manufacturing	<1	29	32	110
Food product machinery manufacturing	<1	1	1	6
Sawmill, woodworking, and paper machinery	<1	<1	1	3
Printing machinery and equipment manufacturing	<1	2	3	8
All other industrial machinery manufacturing	<1	24	26	75
Optical instrument and lens manufacturing	<1	45	50	119
Photographic and photocopying equipment manufacturing	<1	13	14	37
Other commercial service industry machinery manufacturing	<1	180	216	626

## Appendix

Air purification and ventilation equipment manufacturing	<1	79	90	244
Heating equipment (except warm air furnaces) manufacturing	<1	97	119	360
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	11	14	53
Industrial mold manufacturing	<1	115	125	274
Special tool, die, jig, and fixture manufacturing	<1	171	186	366
Cutting tool and machine tool accessory manufacturing	<1	137	148	371
Machine tool manufacturing	<1	55	61	178
Rolling mill and other metalworking machinery manufacturing	<1	134	151	332
Turbine and turbine generator set units manufacturing	<1	6	6	16
Speed changer, industrial high-speed drive, and gear manufacturing	<1	10	12	43
Mechanical power transmission equipment manufacturing	<1	273	306	772
Other engine equipment manufacturing	<1	16	26	142
Pump and pumping equipment manufacturing	<1	13	17	68
Air and gas compressor manufacturing	<1	3	3	12
Elevator and moving stairway manufacturing	<1	<1	<1	4
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	7
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	2
Power-driven handtool manufacturing	<1	13	21	82
Welding and soldering equipment manufacturing	<1	20	22	64
Packaging machinery manufacturing	<1	15	18	64
Industrial process furnace and oven manufacturing	<1	9	10	27
Fluid power cylinder and actuator manufacturing	<1	18	22	67
Fluid power pump and motor manufacturing	<1	2	2	10

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	42	46	131
Electronic computer manufacturing	<1	6	9	53
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	28	40	164
Telephone apparatus manufacturing	<1	16	25	69
Broadcast and wireless communications equipment manufacturing	4	516,750	737,909	1,782,193
Other communications equipment manufacturing	<1	66	99	308
Audio and video equipment manufacturing	<1	9	14	70
Printed circuit assembly (electronic assembly) manufacturing	<1	1,668	2,453	10,612
Bare printed circuit board manufacturing	<1	289	357	1,131
Semiconductor and related device manufacturing	<1	93	137	591
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,766	2,238	5,905
Electronic connector manufacturing	<1	1,136	1,426	3,310
Other electronic component manufacturing	<1	1,423	1,716	5,223
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	3	11
Search, detection, and navigation instruments manufacturing	<1	9	13	39
Automatic environmental control manufacturing	<1	52	68	164
Industrial process variable instruments manufacturing	<1	87	116	314
Totalizing fluid meter and counting device manufacturing	<1	18	34	98
Electricity and signal testing instruments manufacturing	<1	33	40	128
Analytical laboratory instrument manufacturing	<1	5,237	7,938	18,195
Irradiation apparatus manufacturing	<1	5	10	28



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	63	84	288
Blank magnetic and optical recording media manufacturing	<1	3	8	63
Software and other prerecorded and record reproducing	<1	2	3	11
Electric lamp bulb and part manufacturing	<1	104	192	353
Lighting fixture manufacturing	<1	264	378	1,069
Small electrical appliance manufacturing	<1	84	215	417
Household cooking appliance manufacturing	<1	52	167	290
Household refrigerator and home freezer manufacturing	<1	65	192	321
Household laundry equipment manufacturing	<1	204	406	842
Other major household appliance manufacturing	<1	30	104	159
Power, distribution, and specialty transformer manufacturing	<1	2	3	7
Motor and generator manufacturing	<1	81	172	426
Switchgear and switchboard apparatus manufacturing	<1	77	162	373
Relay and industrial control manufacturing	<1	150	217	588
Storage battery manufacturing	<1	51	94	259
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,166	1,890	6,588
Other communication and energy wire manufacturing	<1	242	526	1,765
Wiring device manufacturing	<1	943	2,350	4,907
Carbon and graphite product manufacturing	<1	27	44	129
All other miscellaneous electrical equipment and component manufacturing	<1	53	63	161
Automobile manufacturing	<1	149	273	1,483
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	5	7	33
Motor vehicle body manufacturing	<1	<1	<1	4
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	48	70	317
Travel trailer and camper manufacturing	0	0	0	0

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	204	263	1,412
Motor vehicle electrical and electronic equipment manufacturing	<1	2,402	2,805	10,817
Motor vehicle transmission and power train parts manufacturing	<1	325	391	2,192
Motor vehicle seating and interior trim manufacturing	<1	21	23	112
Motor vehicle metal stamping	<1	174	199	697
Other motor vehicle parts manufacturing	<1	2,983	3,428	15,749
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,388	1,704	7,099
Aircraft manufacturing	<1	37	88	147
Aircraft engine and engine parts manufacturing	<1	1,108	3,951	6,296
Other aircraft parts and auxiliary equipment manufacturing	<1	7,603	12,813	19,478
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	328	550	946
Boat building	<1	33	63	163
Motorcycle, bicycle, and parts manufacturing	<1	1	8	15
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	4	13	42
Wood kitchen cabinet and countertop manufacturing	<1	334	356	922
Upholstered household furniture manufacturing	<1	17	18	57
Nonupholstered wood household furniture manufacturing	<1	59	62	177
Other household nonupholstered furniture manufacturing	<1	105	133	536
Institutional furniture manufacturing	<1	3	3	11
Wood office furniture manufacturing	<1	3	3	8

## Appendix

Custom architectural woodwork and millwork	<1	52	49	129
Office furniture, except wood, manufacturing	<1	6	7	27
Showcase, partition, shelving, and locker manufacturing	<1	3	3	10
Mattress manufacturing	<1	198	250	1,351
Blind and shade manufacturing	<1	9	9	38
Surgical and medical instrument manufacturing	<1	687	1,999	3,072
Surgical appliance and supplies manufacturing	<1	214	890	1,371
Dental equipment and supplies manufacturing	<1	16	53	90
Ophthalmic goods manufacturing	<1	9	39	57
Dental laboratories	<1	59	88	151
Jewelry and silverware manufacturing	<1	106	213	514
Sporting and athletic goods manufacturing	<1	56	143	320
Doll, toy, and game manufacturing	<1	7	33	91
Office supplies (except paper) manufacturing	<1	43	126	239
Sign manufacturing	<1	382	386	870
Gasket, packing, and sealing device manufacturing	<1	142	206	400
Musical instrument manufacturing	<1	15	22	55
Fasteners, buttons, needles, and pins manufacturing	<1	119	198	400
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	21	52	105
All other miscellaneous manufacturing	<1	275	622	1,210
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,292	12,535	26,212
Wholesale - Professional and commercial equipment and supplies	<1	35,048	57,508	92,048
Wholesale - Household appliances and electrical and electronic goods	<1	85,949	220,749	429,201
Wholesale - Machinery, equipment, and supplies	<1	21,984	43,458	71,705
Wholesale - Other durable goods merchant wholesalers	<1	20,742	39,829	74,782

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	15,765	40,997	76,782
Wholesale - Grocery and related product wholesalers	<1	15,626	24,582	45,511
Wholesale - Petroleum and petroleum products	<1	1,234	17,671	20,423
Wholesale - Other nondurable goods merchant wholesalers	<1	27,717	63,247	102,756
Wholesale - Wholesale electronic markets and agents and brokers	<1	22,873	26,289	29,349
Retail - Motor vehicle and parts dealers	<1	17,384	24,391	33,384
Retail - Furniture and home furnishings stores	<1	9,111	12,324	19,210
Retail - Electronics and appliance stores	<1	9,534	8,476	13,558
Retail - Building material and garden equipment and supplies stores	<1	10,770	19,663	27,416
Retail - Food and beverage stores	<1	32,873	44,260	69,027
Retail - Health and personal care stores	<1	16,628	20,681	30,398
Retail - Gasoline stores	<1	10,163	16,133	26,254
Retail - Clothing and clothing accessories stores	<1	12,493	19,617	37,670
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,539	10,054	15,735
Retail - General merchandise stores	<1	18,313	29,950	48,820
Retail - Miscellaneous store retailers	<1	17,618	18,352	27,462
Retail - Nonstore retailers	<1	18,370	83,102	124,205
Air transportation	<1	5,650	12,167	20,921
Rail transportation	<1	4,190	2,319	17,074
Water transportation	<1	3,559	6,586	30,316
Truck transportation	<1	24,693	34,957	71,000
Transit and ground passenger transportation	<1	29,693	34,098	45,270
Pipeline transportation	<1	11,047	12,926	12,498
Scenic and sightseeing transportation and support activities for transportation	<1	31,366	26,299	34,422
Couriers and messengers	<1	18,873	33,994	41,877
Warehousing and storage	<1	39,525	42,716	80,553
Newspaper publishers	<1	2,735	4,712	6,596
Periodical publishers	<1	3,688	5,767	9,084
Book publishers	<1	1,854	5,106	10,007

## Appendix

Directory, mailing list, and other publishers	<1	1,088	2,603	4,389
Greeting card publishing	<1	164	556	934
Software publishers	<1	41,975	83,074	108,676
Motion picture and video industries	<1	13,943	26,094	37,335
Sound recording industries	<1	391	3,360	5,077
Radio and television broadcasting	<1	25,765	52,209	81,942
Cable and other subscription programming	<1	11,272	132,626	182,786
Wired telecommunications carriers	<1	16,879	54,619	74,244
Wireless telecommunications carriers (except satellite)	<1	1,985	30,978	46,038
Satellite, telecommunications resellers, and all other telecommunications	<1	773	1,010	2,287
Data processing, hosting, and related services	<1	30,816	53,693	136,811
News syndicates, libraries, archives and all other information services	<1	5,843	8,370	17,150
Internet publishing and broadcasting and web search portals	<1	22,770	48,604	159,661
Nondepository credit intermediation and related activities	<1	28,626	30,412	38,890
Securities and commodity contracts intermediation and brokerage	<1	97,390	36,347	61,658
Monetary authorities and depository credit intermediation	<1	68,274	221,769	281,226
Other financial investment activities	<1	149,884	154,680	221,555
Direct life insurance carriers	<1	26,133	56,603	67,121
Insurance carriers, except direct life	<1	57,264	199,782	288,734
Insurance agencies, brokerages, and related activities	<1	35,643	61,974	105,924
Funds, trusts, and other financial vehicles	<1	5,591	10,407	30,688
Other real estate	4	23,859	287,851	814,341
Tenant-occupied housing	<1	1,466	98,256	105,081
Owner-occupied dwellings	0	0	408,980	493,571
Automotive equipment rental and leasing	<1	19,166	26,032	28,743

## Appendix

General and consumer goods rental except video tapes and discs	<1	10,551	12,676	14,854
Video tape and disc rental	<1	1,619	2,501	3,823
Commercial and industrial machinery and equipment rental and leasing	<1	18,143	25,038	27,433
Lessors of nonfinancial intangible assets	<1	1,921	36,091	37,260
Legal services	1	118,791	226,100	293,298
Accounting, tax preparation, bookkeeping, and payroll services	<1	53,947	68,289	95,947
Architectural, engineering, and related services	<1	63,926	70,782	121,600
Specialized design services	<1	3,995	6,614	10,823
Custom computer programming services	<1	63,639	63,231	84,424
Computer systems design services	<1	42,950	35,026	44,388
Other computer related services, including facilities management	<1	20,554	23,029	42,765
Management consulting services	1	185,253	190,794	266,370
Environmental and other technical consulting services	<1	17,454	19,377	28,510
Scientific research and development services	19	2,569,252	3,249,496	5,502,473
Advertising, public relations, and related services	<1	49,183	77,748	139,093
Photographic services	<1	891	2,242	4,652
Veterinary services	<1	6,851	7,684	11,053
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	51,927	85,072	152,170
Management of companies and enterprises	2	434,321	403,497	575,911
Office administrative services	<1	52,029	24,283	48,526
Facilities support services	<1	659	894	1,788
Employment services	2	145,811	200,591	293,299
Business support services	<1	15,493	13,814	20,996
Travel arrangement and reservation services	<1	9,738	15,212	33,365
Investigation and security services	<1	16,017	16,274	22,551
Services to buildings	<1	25,637	35,815	70,392
Landscape and horticultural services	<1	18,549	22,508	38,917
Other support services	<1	10,159	12,776	21,785
Waste management and remediation services	<1	12,038	20,080	38,817

## Appendix

Elementary and secondary schools	<1	31,309	26,771	30,333
Junior colleges, colleges, universities, and professional schools	3	222,382	290,065	356,078
Other educational services	<1	11,187	13,270	24,095
Offices of physicians	<1	119,374	120,442	164,834
Offices of dentists	<1	23,242	26,707	35,374
Offices of other health practitioners	<1	17,083	23,743	30,256
Outpatient care centers	<1	25,220	24,889	38,778
Medical and diagnostic laboratories	<1	6,418	9,335	12,993
Home health care services	<1	26,402	26,311	32,453
Other ambulatory health care services	<1	7,510	8,543	12,760
Hospitals	2	174,631	217,489	376,847
Nursing and community care facilities	<1	39,003	46,040	66,721
Residential mental retardation, mental health, substance abuse and other facilities	<1	21,486	23,925	32,823
Individual and family services	1	58,201	51,190	68,644
Child day care services	<1	15,980	24,205	31,148
Community food, housing, and other relief services, including rehabilitation services	<1	15,535	14,558	29,288
Performing arts companies	<1	4,370	6,735	11,239
Commercial Sports Except Racing	<1	3,992	4,928	6,182
Racing and Track Operation	<1	1,228	1,725	2,513
Independent artists, writers, and performers	<1	8,589	18,649	26,520
Promoters of performing arts and sports and agents for public figures	<1	8,125	16,216	30,824
Museums, historical sites, zoos, and parks	<1	3,147	4,042	6,502
Amusement parks and arcades	<1	312	988	1,151
Gambling industries (except casino hotels)	<1	2,173	10,410	12,596
Other amusement and recreation industries	<1	6,356	8,475	10,812
Fitness and recreational sports centers	<1	3,666	5,827	8,406
Bowling centers	<1	462	782	1,143
Hotels and motels, including casino hotels	<1	4,207	7,536	10,543
Other accommodations	<1	2,395	3,110	3,763

## Appendix

Full-service restaurants	1	60,174	81,781	144,213
Limited-service restaurants	<1	31,605	45,913	95,416
All other food and drinking places	<1	41,027	52,477	79,043
Automotive repair and maintenance, except car washes	<1	37,628	40,336	54,138
Car washes	<1	17,149	23,794	33,508
Electronic and precision equipment repair and maintenance	<1	9,893	13,665	18,925
Commercial and industrial machinery and equipment repair and maintenance	<1	20,426	23,054	29,869
Personal and household goods repair and maintenance	<1	4,332	7,419	9,960
Personal care services	<1	17,123	9,063	11,214
Death care services	<1	4,215	2,622	3,452
Dry-cleaning and laundry services	<1	8,494	4,787	6,042
Other personal services	<1	11,070	13,331	17,659
Religious organizations	<1	35,285	12,952	48,077
Grantmaking, giving, and social advocacy organizations	<1	13,060	31,832	43,725
Business and professional associations	<1	6,959	9,800	14,749
Labor and civic organizations	<1	7,899	19,019	34,087
Private households	<1	7,186	7,186	7,186
Postal service	<1	20,253	20,433	20,440
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	274	1,087	1,846
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,809	1,880	3,072
Local government passenger transit	<1	2,544	-382	237
Local government electric utilities	<1	1,076	2,036	4,546
Other local government enterprises	<1	25,671	28,587	98,071
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	134,850	261,411	478,375

## Investments in Climate Change Research and Technology

**Table 648: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>137</i>	<i>13,337,564</i>	<i>20,164,412</i>	<i>34,011,835</i>
Oilseed farming	<1	2	4	28
Grain farming	<1	311	1,511	2,680
Vegetable and melon farming	<1	567	1,972	2,577
Fruit farming	<1	406	1,395	1,469
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	1,569	4,361	5,652
Tobacco farming	<1	215	404	527
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	289	745	1,036
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	286	2,179	3,237
Dairy cattle and milk production	<1	323	1,423	4,502
Poultry and egg production	<1	246	786	4,849
Animal production, except cattle and poultry and eggs	<1	2,560	11,306	12,583
Forestry, forest products, and timber tract production	<1	457	493	639

## Appendix

Commercial logging	<1	949	938	1,324
Commercial fishing	<1	626	763	770
Commercial hunting and trapping	<1	173	179	241
Support activities for agriculture and forestry	<1	5,568	4,298	5,156
Oil and gas extraction	<1	186	4	28,263
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	237	887	1,657
Sand and gravel mining	<1	1,187	2,030	3,845
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	5	8	18
Phosphate rock mining	<1	2	5	11
Other chemical and fertilizer mineral mining	<1	<1	<1	2
Other nonmetallic minerals	<1	10	17	38
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	3	3	12
Metal mining services	<1	18	-19	397
Other nonmetallic minerals services	<1	<1	<1	26
Electric power generation - Hydroelectric	<1	309	1,119	1,876
Electric power generation - Fossil fuel	<1	2,458	15,391	29,050
Electric power generation - Nuclear	<1	11,108	34,747	62,735
Electric power generation - Solar	<1	430	1,523	2,546
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	386	1,761	3,651
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	29,398	164,148	297,567

## Appendix

Natural gas distribution	<1	10,228	55,526	93,857
Water, sewage and other systems	<1	2,305	6,657	9,823
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	38,173	41,853	113,453
Maintenance and repair construction of residential structures	<1	13,201	15,480	37,745
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	8	22
Dog and cat food manufacturing	<1	178	419	2,075
Other animal food manufacturing	<1	826	1,775	9,959
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	36	85	920
Breakfast cereal manufacturing	<1	629	1,380	6,576
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	103	138	618

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	250	341	1,986
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	676	885	3,699
Canned fruits and vegetables manufacturing	<1	392	670	2,479
Canned specialties	<1	56	114	496
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	213	290	3,103
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,064	1,543	8,378
Creamery butter manufacturing	<1	136	422	2,717
Ice cream and frozen dessert manufacturing	<1	668	883	3,688
Frozen cakes and other pastries manufacturing	<1	1,392	1,924	3,493
Poultry processing	<1	368	433	1,557
Animal, except poultry, slaughtering	<1	307	446	2,412
Meat processed from carcasses	<1	1,138	1,257	8,658
Rendering and meat byproduct processing	<1	81	121	483
Seafood product preparation and packaging	<1	282	364	1,563
Bread and bakery product, except frozen, manufacturing	<1	5,086	6,930	16,012
Cookie and cracker manufacturing	<1	9	12	129
Dry pasta, mixes, and dough manufacturing	<1	342	690	2,695
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	347	560	2,065
Other snack food manufacturing	<1	1,960	4,689	16,110
Coffee and tea manufacturing	<1	402	664	2,765
Flavoring syrup and concentrate manufacturing	<1	34	198	339
Mayonnaise, dressing, and sauce manufacturing	<1	16	28	97
Spice and extract manufacturing	<1	204	300	890
All other food manufacturing	<1	564	751	3,267
Bottled and canned soft drinks & water	<1	1,809	2,919	12,114
Manufactured ice	<1	74	53	230

## Appendix

Breweries	<1	1,449	2,735	8,934
Wineries	<1	710	1,145	4,952
Distilleries	<1	1,120	2,963	6,012
Tobacco product manufacturing	<1	238	4,463	7,639
Fiber, yarn, and thread mills	<1	51	67	357
Broadwoven fabric mills	<1	10	14	60
Narrow fabric mills and schiffli machine embroidery	<1	17	19	60
Nonwoven fabric mills	<1	153	226	1,010
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	59	73	268
Fabric coating mills	<1	392	480	1,954
Carpet and rug mills	<1	430	583	2,076
Curtain and linen mills	<1	56	64	192
Textile bag and canvas mills	<1	723	848	2,201
Rope, cordage, twine, tire cord and tire fabric mills	<1	128	153	355
Other textile product mills	<1	47	53	172
Hosiery and sock mills	<1	10	15	33
Other apparel knitting mills	<1	14	21	49
Cut and sew apparel contractors	<1	41	53	155
Men's and boys' cut and sew apparel manufacturing	<1	12	17	61
Women's and girls' cut and sew apparel manufacturing	<1	14	22	135
Other cut and sew apparel manufacturing	<1	10	15	52
Apparel accessories and other apparel manufacturing	<1	22	33	131
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	123	151	256
Sawmills	<1	414	408	2,931
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	64	60	334
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	188	179	679
Cut stock, resawing lumber, and planing	<1	31	30	187

## Appendix

Other millwork, including flooring	<1	1,229	1,146	4,823
Wood container and pallet manufacturing	<1	612	580	2,520
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	84	74	396
All other miscellaneous wood product manufacturing	<1	433	416	1,891
Pulp mills	0	0	0	0
Paper mills	<1	3,975	11,640	28,794
Paperboard mills	<1	372	915	2,476
Paperboard container manufacturing	<1	2,797	4,862	16,469
Paper bag and coated and treated paper manufacturing	<1	2,063	3,760	10,579
Stationery product manufacturing	<1	52	74	312
Sanitary paper product manufacturing	<1	365	1,228	2,570
All other converted paper product manufacturing	<1	301	591	1,290
Printing	<1	18,184	24,346	47,095
Support activities for printing	<1	539	711	1,072
Petroleum refineries	<1	422	4,179	29,585
Asphalt paving mixture and block manufacturing	<1	486	731	3,001
Asphalt shingle and coating materials manufacturing	<1	39	144	348
Petroleum lubricating oil and grease manufacturing	<1	92	275	1,086
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	5,038	11,844	16,429
Synthetic dye and pigment manufacturing	<1	1,788	2,871	3,840
Other basic inorganic chemical manufacturing	<1	316	551	1,350
Other basic organic chemical manufacturing	<1	2,682	5,876	27,277
Plastics material and resin manufacturing	<1	1,451	2,269	10,410
Synthetic rubber manufacturing	<1	23	29	87
Artificial and synthetic fibers and filaments manufacturing	<1	78	108	321
Nitrogenous fertilizer manufacturing	0	0	0	0

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	142	256	718
Pesticide and other agricultural chemical manufacturing	<1	861	2,304	7,108
Medicinal and botanical manufacturing	<1	1,285	1,837	3,296
Pharmaceutical preparation manufacturing	<1	2,067	4,777	12,042
In-vitro diagnostic substance manufacturing	<1	717	915	1,377
Biological product (except diagnostic) manufacturing	<1	1,937	4,763	7,447
Paint and coating manufacturing	<1	1,935	3,092	6,304
Adhesive manufacturing	<1	2,017	2,886	7,092
Soap and other detergent manufacturing	<1	643	1,379	4,001
Polish and other sanitation good manufacturing	<1	978	1,370	2,640
Surface active agent manufacturing	<1	402	1,257	2,558
Toilet preparation manufacturing	<1	814	1,937	3,740
Printing ink manufacturing	<1	197	214	549
Explosives manufacturing	<1	152	175	432
Custom compounding of purchased resins	<1	1,609	2,290	5,651
Photographic film and chemical manufacturing	<1	1,656	3,272	7,004
Other miscellaneous chemical product manufacturing	<1	1,949	2,785	7,005
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	491	734	2,086
Unlaminated plastics profile shape manufacturing	<1	846	1,719	5,964
Plastics pipe and pipe fitting manufacturing	<1	46	112	423
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	216	335	1,175
Polystyrene foam product manufacturing	<1	244	401	1,613
Urethane and other foam product (except polystyrene) manufacturing	<1	907	1,436	5,577
Plastics bottle manufacturing	<1	63	94	498
Other plastics product manufacturing	<1	5,392	7,536	24,003
Tire manufacturing	<1	242	306	1,386

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	30	45	160
Other rubber product manufacturing	<1	2,075	2,544	7,528
Pottery, ceramics, and plumbing fixture manufacturing	<1	73	91	203
Brick, tile, and other structural clay product manufacturing	<1	74	97	292
Flat glass manufacturing	<1	38	52	160
Other pressed and blown glass and glassware manufacturing	<1	22	28	78
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	285	377	1,166
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	866	1,096	4,170
Concrete block and brick manufacturing	<1	308	401	1,110
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	1,442	1,714	4,395
Lime manufacturing	<1	470	679	2,414
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	327	459	863
Cut stone and stone product manufacturing	<1	929	1,048	2,502
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	53	84	270
Miscellaneous nonmetallic mineral products manufacturing	<1	48	70	208
Iron and steel mills and ferroalloy manufacturing	<1	903	1,259	10,385
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	890	1,323	10,312
Steel wire drawing	<1	320	385	2,396
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	166	209	1,183
Other aluminum rolling, drawing and extruding	<1	68	75	410
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	<1	1,501	1,983	26,532
Nonferrous metal, except copper and aluminum, shaping	<1	817	875	3,702
Secondary processing of other nonferrous metals	<1	2	2	14
Ferrous metal foundries	<1	592	629	2,130
Nonferrous metal foundries	<1	193	203	596
Custom roll forming	<1	81	122	577
Crown and closure manufacturing and metal stamping	<1	3,563	4,752	13,453
Iron and steel forging	<1	954	1,337	4,309
Nonferrous forging	<1	210	272	829
Cutlery, utensil, pot, and pan manufacturing	<1	1,023	2,289	5,718
Handtool manufacturing	<1	1,082	1,766	3,807
Prefabricated metal buildings and components manufacturing	<1	54	85	269
Fabricated structural metal manufacturing	<1	1,129	1,708	4,709
Plate work manufacturing	<1	688	805	2,593
Metal window and door manufacturing	<1	924	1,303	3,104
Sheet metal work manufacturing	<1	935	1,307	3,494
Ornamental and architectural metal work manufacturing	<1	926	1,149	2,707
Power boiler and heat exchanger manufacturing	<1	12	17	49
Metal tank (heavy gauge) manufacturing	<1	5	6	21
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	207	280	1,101
Hardware manufacturing	<1	3,403	5,077	12,430
Spring and wire product manufacturing	<1	1,096	1,471	4,110
Machine shops	<1	8,018	9,624	18,679
Turned product and screw, nut, and bolt manufacturing	<1	2,526	3,310	8,948
Metal heat treating	<1	994	1,331	3,296
Metal coating and nonprecious engraving	<1	1,426	2,533	6,726
Electroplating, anodizing, and coloring metal	<1	1,593	1,763	3,805
Valve and fittings, other than plumbing, manufacturing	<1	10,167	15,861	51,779
Plumbing fixture fitting and trim manufacturing	<1	143	348	1,148

## Appendix

Ball and roller bearing manufacturing	<1	815	1,353	3,541
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	37	43	87
Small arms, ordnance, and accessories manufacturing	<1	2,182	4,682	10,382
Fabricated pipe and pipe fitting manufacturing	<1	75	97	289
Other fabricated metal manufacturing	<1	818	1,109	2,928
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	93	134	724
Construction machinery manufacturing	<1	20	31	110
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	6	8	24
Semiconductor machinery manufacturing	<1	109	120	400
Food product machinery manufacturing	<1	3	3	11
Sawmill, woodworking, and paper machinery	<1	2	2	6
Printing machinery and equipment manufacturing	<1	5	5	16
All other industrial machinery manufacturing	<1	28	31	87
Optical instrument and lens manufacturing	<1	117	138	323
Photographic and photocopying equipment manufacturing	<1	19	20	55
Other commercial service industry machinery manufacturing	<1	291	351	1,011
Air purification and ventilation equipment manufacturing	<1	163	185	519
Heating equipment (except warm air furnaces) manufacturing	<1	166	202	650
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	23	30	121
Industrial mold manufacturing	<1	157	171	397
Special tool, die, jig, and fixture manufacturing	<1	174	193	393

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	117	126	326
Machine tool manufacturing	<1	55	61	181
Rolling mill and other metalworking machinery manufacturing	<1	136	154	356
Turbine and turbine generator set units manufacturing	<1	19	21	57
Speed changer, industrial high-speed drive, and gear manufacturing	<1	27	33	119
Mechanical power transmission equipment manufacturing	<1	598	686	1,763
Other engine equipment manufacturing	<1	41	70	388
Pump and pumping equipment manufacturing	<1	21	27	110
Air and gas compressor manufacturing	<1	3	4	14
Elevator and moving stairway manufacturing	<1	1	1	5
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	11
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	2
Power-driven handtool manufacturing	<1	13	22	90
Welding and soldering equipment manufacturing	<1	34	40	140
Packaging machinery manufacturing	<1	20	23	83
Industrial process furnace and oven manufacturing	<1	11	12	34
Fluid power cylinder and actuator manufacturing	<1	31	39	122
Fluid power pump and motor manufacturing	<1	6	8	28
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	56	61	178
Electronic computer manufacturing	<1	6	9	58
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	41	57	245
Telephone apparatus manufacturing	<1	43	65	184

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	9	11	35
Other communications equipment manufacturing	<1	147	215	663
Audio and video equipment manufacturing	<1	14	23	113
Printed circuit assembly (electronic assembly) manufacturing	<1	335	479	2,140
Bare printed circuit board manufacturing	<1	288	342	990
Semiconductor and related device manufacturing	<1	6	8	44
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3,728	4,454	13,325
Electronic connector manufacturing	<1	836	1,028	2,462
Other electronic component manufacturing	<1	125	148	464
Electromedical and electrotherapeutic apparatus manufacturing	<1	4	6	21
Search, detection, and navigation instruments manufacturing	<1	7	10	29
Automatic environmental control manufacturing	<1	66	85	209
Industrial process variable instruments manufacturing	<1	534	708	1,832
Totalizing fluid meter and counting device manufacturing	<1	57	101	315
Electricity and signal testing instruments manufacturing	<1	43	52	172
Analytical laboratory instrument manufacturing	<1	25,248	38,055	89,569
Irradiation apparatus manufacturing	<1	8	12	38
Watch, clock, and other measuring and controlling device manufacturing	<1	8,254	10,955	38,917
Blank magnetic and optical recording media manufacturing	<1	3	9	71
Software and other prerecorded and record reproducing	<1	2	4	16
Electric lamp bulb and part manufacturing	<1	166	299	575
Lighting fixture manufacturing	<1	441	616	1,874
Small electrical appliance manufacturing	<1	144	364	721

## Appendix

Household cooking appliance manufacturing	<1	93	263	512
Household refrigerator and home freezer manufacturing	<1	117	303	566
Household laundry equipment manufacturing	<1	362	671	1,521
Other major household appliance manufacturing	<1	46	140	242
Power, distribution, and specialty transformer manufacturing	<1	1	3	6
Motor and generator manufacturing	<1	147	314	784
Switchgear and switchboard apparatus manufacturing	<1	119	251	596
Relay and industrial control manufacturing	<1	285	414	1,194
Storage battery manufacturing	<1	90	166	489
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	756	1,243	4,545
Other communication and energy wire manufacturing	<1	305	624	2,258
Wiring device manufacturing	<1	1,511	3,488	7,735
Carbon and graphite product manufacturing	<1	77	133	384
All other miscellaneous electrical equipment and component manufacturing	<1	1,025	1,218	3,052
Automobile manufacturing	<1	385	830	4,225
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	11	16	81
Motor vehicle body manufacturing	<1	2	2	9
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	201	285	1,380
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	342	443	2,405
Motor vehicle electrical and electronic equipment manufacturing	<1	3,788	4,378	18,503
Motor vehicle transmission and power train parts manufacturing	<1	410	513	3,174
Motor vehicle seating and interior trim manufacturing	<1	52	58	282
Motor vehicle metal stamping	<1	609	686	2,545
Other motor vehicle parts manufacturing	<1	4,885	5,787	26,465

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,728	3,210	14,050
Aircraft manufacturing	<1	43	97	165
Aircraft engine and engine parts manufacturing	<1	2,996	10,062	16,325
Other aircraft parts and auxiliary equipment manufacturing	<1	527	926	1,464
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	734	1,250	2,131
Boat building	<1	98	191	488
Motorcycle, bicycle, and parts manufacturing	<1	4	27	47
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	13	42	148
Wood kitchen cabinet and countertop manufacturing	<1	828	914	2,379
Upholstered household furniture manufacturing	<1	32	34	109
Nonupholstered wood household furniture manufacturing	<1	118	125	366
Other household nonupholstered furniture manufacturing	<1	147	185	781
Institutional furniture manufacturing	<1	4	5	17
Wood office furniture manufacturing	<1	5	5	14
Custom architectural woodwork and millwork	<1	104	97	265
Office furniture, except wood, manufacturing	<1	8	10	40
Showcase, partition, shelving, and locker manufacturing	<1	6	7	23
Mattress manufacturing	<1	458	582	3,157
Blind and shade manufacturing	<1	24	24	97
Surgical and medical instrument manufacturing	<1	1,372	3,913	6,273
Surgical appliance and supplies manufacturing	<1	412	1,671	2,688

## Appendix

Dental equipment and supplies manufacturing	<1	31	103	179
Ophthalmic goods manufacturing	<1	22	93	137
Dental laboratories	<1	123	182	314
Jewelry and silverware manufacturing	<1	239	469	1,144
Sporting and athletic goods manufacturing	<1	130	331	776
Doll, toy, and game manufacturing	<1	15	65	185
Office supplies (except paper) manufacturing	<1	76	212	454
Sign manufacturing	<1	838	831	1,930
Gasket, packing, and sealing device manufacturing	<1	315	451	904
Musical instrument manufacturing	<1	19	27	71
Fasteners, buttons, needles, and pins manufacturing	<1	181	294	587
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	64	153	345
All other miscellaneous manufacturing	<1	573	1,277	2,582
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	9,051	21,602	44,623
Wholesale - Professional and commercial equipment and supplies	<1	44,831	73,846	118,972
Wholesale - Household appliances and electrical and electronic goods	<1	14,828	38,750	75,775
Wholesale - Machinery, equipment, and supplies	<1	21,803	43,723	72,128
Wholesale - Other durable goods merchant wholesalers	<1	37,687	73,204	137,133
Wholesale - Drugs and druggists'sundries	<1	28,250	75,211	143,301
Wholesale - Grocery and related product wholesalers	<1	31,279	49,877	92,503
Wholesale - Petroleum and petroleum products	<1	3,062	35,613	42,334
Wholesale - Other nondurable goods merchant wholesalers	<1	53,022	117,848	195,677
Wholesale - Wholesale electronic markets and agents and brokers	<1	32,682	37,903	42,771
Retail - Motor vehicle and parts dealers	<1	34,129	48,472	66,699
Retail - Furniture and home furnishings stores	<1	17,867	24,413	38,391

## Appendix

Retail - Electronics and appliance stores	<1	18,584	16,686	27,386
Retail - Building material and garden equipment and supplies stores	<1	20,808	38,971	54,569
Retail - Food and beverage stores	1	61,336	83,752	131,150
Retail - Health and personal care stores	<1	32,178	40,373	60,309
Retail - Gasoline stores	<1	20,172	33,153	54,645
Retail - Clothing and clothing accessories stores	<1	23,973	38,949	76,209
Retail - Sporting goods, hobby, musical instrument and book stores	<1	14,462	19,574	31,053
Retail - General merchandise stores	<1	37,024	61,467	100,684
Retail - Miscellaneous store retailers	<1	34,207	36,101	54,985
Retail - Nonstore retailers	<1	35,511	162,129	242,681
Air transportation	<1	11,407	24,262	42,526
Rail transportation	<1	8,602	5,201	36,570
Water transportation	<1	6,905	11,643	59,954
Truck transportation	<1	42,522	60,900	126,890
Transit and ground passenger transportation	1	40,599	48,375	68,295
Pipeline transportation	<1	32,445	31,950	31,722
Scenic and sightseeing transportation and support activities for transportation	<1	65,071	56,723	73,151
Couriers and messengers	1	28,643	55,022	67,646
Warehousing and storage	<1	45,982	49,344	94,316
Newspaper publishers	<1	4,636	7,085	10,641
Periodical publishers	<1	5,007	6,620	11,843
Book publishers	<1	3,100	7,461	15,869
Directory, mailing list, and other publishers	<1	2,426	5,231	9,160
Greeting card publishing	<1	327	997	1,705
Software publishers	2	282,264	480,883	660,455
Motion picture and video industries	<1	25,501	47,591	71,641
Sound recording industries	<1	672	5,680	9,033
Radio and television broadcasting	<1	45,682	91,991	163,082
Cable and other subscription programming	<1	18,512	203,119	301,106
Wired telecommunications carriers	<1	35,337	109,264	153,126



## Appendix

Wireless telecommunications carriers (except satellite)	<1	4,216	55,797	89,925
Satellite, telecommunications resellers, and all other telecommunications	<1	1,610	2,245	4,918
Data processing, hosting, and related services	<1	53,383	92,115	243,594
News syndicates, libraries, archives and all other information services	<1	11,327	16,270	33,324
Internet publishing and broadcasting and web search portals	<1	87,698	192,092	625,358
Nondepository credit intermediation and related activities	<1	52,723	55,692	73,460
Securities and commodity contracts intermediation and brokerage	<1	164,941	64,603	123,625
Monetary authorities and depository credit intermediation	1	157,119	438,716	597,364
Other financial investment activities	1	231,871	239,356	390,439
Direct life insurance carriers	<1	53,883	113,311	141,825
Insurance carriers, except direct life	<1	110,761	373,563	575,494
Insurance agencies, brokerages, and related activities	<1	75,452	130,174	230,061
Funds, trusts, and other financial vehicles	<1	9,775	17,031	58,176
Other real estate	9	47,149	574,796	1,697,720
Tenant-occupied housing	<1	2,798	180,836	195,500
Owner-occupied dwellings	0	0	773,211	938,786
Automotive equipment rental and leasing	<1	35,819	46,073	53,107
General and consumer goods rental except video tapes and discs	<1	20,777	25,090	29,929
Video tape and disc rental	<1	3,257	5,077	7,732
Commercial and industrial machinery and equipment rental and leasing	<1	42,966	57,749	64,660
Lessors of nonfinancial intangible assets	<1	4,213	67,823	70,528
Legal services	2	265,128	482,061	639,375
Accounting, tax preparation, bookkeeping, and payroll services	<1	95,073	117,693	171,586
Architectural, engineering, and related services	<1	91,924	100,209	174,636
Specialized design services	<1	6,645	10,790	18,606

Appendix

Custom computer programming services	<1	43,860	43,678	60,259
Computer systems design services	<1	60,616	49,319	63,821
Other computer related services, including facilities management	<1	33,054	37,299	70,091
Management consulting services	3	381,077	391,294	567,035
Environmental and other technical consulting services	<1	33,254	36,490	55,477
Scientific research and development services	43	5,649,379	7,345,625	12,475,373
Advertising, public relations, and related services	<1	87,113	135,826	252,720
Photographic services	<1	1,871	4,354	9,759
Veterinary services	<1	13,157	14,600	21,467
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	94,062	152,178	280,652
Management of companies and enterprises	3	589,216	545,575	804,757
Office administrative services	<1	86,196	37,160	82,794
Facilities support services	<1	1,292	1,707	3,667
Employment services	5	295,356	395,951	626,605
Business support services	<1	30,413	26,594	43,359
Travel arrangement and reservation services	<1	19,749	30,482	69,420
Investigation and security services	<1	28,403	28,781	41,581
Services to buildings	1	51,474	70,010	144,862
Landscape and horticultural services	<1	35,720	42,685	77,258
Other support services	<1	17,034	21,137	37,924
Waste management and remediation services	<1	24,641	41,674	81,178
Elementary and secondary schools	<1	48,785	41,933	48,376
Junior colleges, colleges, universities, and professional schools	5	381,691	502,171	619,392
Other educational services	<1	19,340	22,766	42,557
Offices of physicians	2	227,149	228,392	317,124
Offices of dentists	<1	43,835	49,477	66,662
Offices of other health practitioners	<1	34,256	45,850	59,498
Outpatient care centers	<1	47,907	47,082	72,611
Medical and diagnostic laboratories	<1	12,512	17,581	25,060
Home health care services	<1	47,464	47,101	58,741

## Appendix

Other ambulatory health care services	<1	14,176	15,866	24,148
Hospitals	3	276,275	340,527	592,055
Nursing and community care facilities	1	65,427	76,849	115,044
Residential mental retardation, mental health, substance abuse and other facilities	<1	31,541	35,051	49,569
Individual and family services	2	94,553	82,525	114,526
Child day care services	<1	27,560	40,505	53,424
Community food, housing, and other relief services, including rehabilitation services	<1	23,328	21,768	45,424
Performing arts companies	<1	7,350	11,090	19,881
Commercial Sports Except Racing	<1	7,708	8,447	11,191
Racing and Track Operation	<1	1,924	2,843	4,410
Independent artists, writers, and performers	<1	15,096	32,431	47,580
Promoters of performing arts and sports and agents for public figures	<1	13,873	27,556	56,653
Museums, historical sites, zoos, and parks	<1	5,214	6,593	11,015
Amusement parks and arcades	<1	571	1,787	2,117
Gambling industries (except casino hotels)	<1	3,872	18,240	22,482
Other amusement and recreation industries	<1	11,447	15,147	19,844
Fitness and recreational sports centers	<1	6,279	9,760	14,714
Bowling centers	<1	866	1,435	2,157
Hotels and motels, including casino hotels	<1	8,284	15,369	21,700
Other accommodations	<1	4,163	5,425	6,674
Full-service restaurants	3	115,664	159,019	285,689
Limited-service restaurants	2	60,667	89,175	190,991
All other food and drinking places	2	76,237	99,112	153,146
Automotive repair and maintenance, except car washes	<1	70,012	78,719	106,343
Car washes	<1	33,332	46,899	66,583
Electronic and precision equipment repair and maintenance	<1	19,479	26,944	38,646
Commercial and industrial machinery and equipment repair and maintenance	<1	60,523	69,553	96,206
Personal and household goods repair and maintenance	<1	8,193	15,560	20,710

## Appendix

Personal care services	<1	32,028	19,476	23,753
Death care services	<1	7,234	5,066	6,621
Dry-cleaning and laundry services	<1	16,739	10,836	13,508
Other personal services	<1	21,362	26,762	35,646
Religious organizations	<1	54,797	23,613	79,537
Grantmaking, giving, and social advocacy organizations	<1	18,764	53,588	72,095
Business and professional associations	<1	11,571	18,650	27,988
Labor and civic organizations	<1	11,858	33,958	58,341
Private households	<1	13,499	13,499	13,557
Postal service	<1	32,524	32,791	33,035
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	484	1,913	3,185
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	4,031	5,208	8,744
Local government passenger transit	<1	4,371	-1,114	553
Local government electric utilities	<1	2,337	5,028	11,064
Other local government enterprises	<1	58,119	85,802	253,521
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	230,262	566,823	1,037,273

## Delaware

## NASA

Table 649: Detailed NASA Impacts by Types of Impact, Delaware

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	367	27,424,585	41,800,847	70,221,097
Oilseed farming	<1	12,776	20,080	23,813
Grain farming	<1	16,776	52,688	53,961
Vegetable and melon farming	<1	12,796	20,814	21,972
Fruit farming	<1	872	984	1,021
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	531	1,315	1,449
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,845	3,668	4,161
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	733	1,423	1,844
Dairy cattle and milk production	<1	144	364	691
Poultry and egg production	<1	4,979	16,665	97,845
Animal production, except cattle and poultry and eggs	<1	10,741	14,732	17,012
Forestry, forest products, and timber tract production	<1	150	175	222
Commercial logging	<1	85	90	128
Commercial fishing	<1	656	2,099	2,120
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	5,198	5,411	6,110
Oil and gas extraction	<1	1,467	1,746	9,471
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	530	669	1,495

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	0	<1
Support activities for oil and gas operations	<1	3	3	6
Metal mining services	<1	11	14	78
Other nonmetallic minerals services	<1	2	2	13
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	4,929	21,258	46,269
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	50	141	264
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	345	-93	147
Electric power transmission and distribution	<1	70,515	266,991	576,930
Natural gas distribution	<1	6,484	25,483	53,479
Water, sewage and other systems	<1	15,811	34,072	54,796
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	49,462	71,187	170,635
Maintenance and repair construction of residential structures	<1	31,055	42,178	98,342
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	22	32	78
Dog and cat food manufacturing	<1	474	1,669	6,764
Other animal food manufacturing	<1	1,075	2,235	14,464
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	34	56	223
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	20	36	156
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	519	824	2,536
Canned fruits and vegetables manufacturing	<1	8	20	49
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	293	585	2,339
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	123	210	660



Appendix

Frozen cakes and other pastries manufacturing	<1	497	594	1,215
Poultry processing	<1	27,316	37,430	158,288
Animal, except poultry, slaughtering	<1	56	73	522
Meat processed from carcasses	<1	953	925	7,373
Rendering and meat byproduct processing	<1	14	18	100
Seafood product preparation and packaging	<1	352	580	2,022
Bread and bakery product, except frozen, manufacturing	<1	857	1,146	3,288
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	108	137	678
Other snack food manufacturing	<1	82	112	548
Coffee and tea manufacturing	<1	484	1,144	4,163
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	784	1,918	5,550
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	280	467	968
Bottled and canned soft drinks & water	<1	958	2,054	8,669
Manufactured ice	0	0	0	0
Breweries	<1	316	747	3,109
Wineries	<1	200	422	2,311
Distilleries	<1	133	533	1,553
Tobacco product manufacturing	<1	1,595	47,113	78,019
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	24	38	99
Nonwoven fabric mills	<1	433	1,749	3,792
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3,277	8,227	20,411
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	7	18	54
Textile bag and canvas mills	<1	34	100	183
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	71	148	298
Hosiery and sock mills	<1	4	5	15
Other apparel knitting mills	<1	5	7	21
Cut and sew apparel contractors	<1	39	31	50
Men's and boys' cut and sew apparel manufacturing	<1	3	4	12
Women's and girls' cut and sew apparel manufacturing	<1	3	4	26
Other cut and sew apparel manufacturing	<1	3	4	14
Apparel accessories and other apparel manufacturing	<1	154	39	160
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	9	4	18
Sawmills	<1	77	51	325
Wood preservation	<1	26	7	150
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	163	123	509
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	644	555	1,927
Cut stock, resawing lumber, and planing	<1	87	49	376
Other millwork, including flooring	<1	25	19	99
Wood container and pallet manufacturing	<1	1,082	891	2,956
Manufactured home (mobile home) manufacturing	<1	2	1	5
Prefabricated wood building manufacturing	<1	143	99	499
All other miscellaneous wood product manufacturing	<1	203	162	641
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1,503	2,435	10,247
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	<1	4,677	15,901	47,005
All other converted paper product manufacturing	<1	59	107	327
Printing	<1	12,891	9,290	21,642
Support activities for printing	<1	142	96	173
Petroleum refineries	<1	12,262	35,525	475,462
Asphalt paving mixture and block manufacturing	<1	164	186	1,185
Asphalt shingle and coating materials manufacturing	<1	257	419	2,234
Petroleum lubricating oil and grease manufacturing	<1	258	331	1,582
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,769	9,851	18,768
Synthetic dye and pigment manufacturing	<1	256	875	1,657
Other basic inorganic chemical manufacturing	<1	639	2,427	4,650
Other basic organic chemical manufacturing	<1	2,607	11,364	35,752
Plastics material and resin manufacturing	<1	327	943	3,844
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	452	907	2,837
Nitrogenous fertilizer manufacturing	<1	243	1,622	2,693
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	13	44	91
Pesticide and other agricultural chemical manufacturing	<1	660	4,208	8,446
Medicinal and botanical manufacturing	<1	51	134	283
Pharmaceutical preparation manufacturing	<1	473	2,248	4,115
In-vitro diagnostic substance manufacturing	<1	151	326	630
Biological product (except diagnostic) manufacturing	<1	301	1,616	2,689
Paint and coating manufacturing	<1	81	278	628
Adhesive manufacturing	<1	34	86	203
Soap and other detergent manufacturing	<1	343	1,653	2,769
Polish and other sanitation good manufacturing	<1	738	1,922	3,265

## Appendix

Surface active agent manufacturing	<1	345	2,606	4,198
Toilet preparation manufacturing	<1	191	1,063	1,756
Printing ink manufacturing	<1	24	30	95
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	435	1,308	2,663
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	329	827	2,180
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,270	1,984	7,448
Unlaminated plastics profile shape manufacturing	<1	95	199	622
Plastics pipe and pipe fitting manufacturing	<1	34	89	304
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	141	228	745
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	393	646	2,523
Plastics bottle manufacturing	<1	83	124	511
Other plastics product manufacturing	<1	1,486	2,181	8,996
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	95	146	489
Other rubber product manufacturing	<1	339	424	1,399
Pottery, ceramics, and plumbing fixture manufacturing	<1	84	145	257
Brick, tile, and other structural clay product manufacturing	<1	260	495	933
Flat glass manufacturing	<1	3	8	25
Other pressed and blown glass and glassware manufacturing	<1	9	18	60
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	10	21	57
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,778	3,268	10,641
Concrete block and brick manufacturing	<1	233	472	1,239
Concrete pipe manufacturing	<1	47	89	236

## Appendix

Other concrete product manufacturing	<1	671	1,104	2,769
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	295	415	1,061
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	13	34	82
Iron and steel mills and ferroalloy manufacturing	<1	3,074	599	31,267
Iron, steel pipe and tube manufacturing from purchased steel	<1	217	89	1,524
Rolled steel shape manufacturing	<1	193	3	1,690
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	179	92	2,512
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	7	3	51
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	14	20	54
Prefabricated metal buildings and components manufacturing	<1	23	31	126

## Appendix

Fabricated structural metal manufacturing	<1	221	305	1,441
Plate work manufacturing	<1	112	125	419
Metal window and door manufacturing	<1	62	79	271
Sheet metal work manufacturing	<1	439	549	1,753
Ornamental and architectural metal work manufacturing	<1	25	29	92
Power boiler and heat exchanger manufacturing	<1	1	2	7
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	8	9	34
Machine shops	<1	818	923	1,971
Turned product and screw, nut, and bolt manufacturing	<1	50	59	169
Metal heat treating	<1	48	58	154
Metal coating and nonprecious engraving	<1	118	176	575
Electroplating, anodizing, and coloring metal	<1	32	35	78
Valve and fittings, other than plumbing, manufacturing	<1	30	40	139
Plumbing fixture fitting and trim manufacturing	<1	29	55	252
Ball and roller bearing manufacturing	<1	299	425	1,360
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	21	25	76
Other fabricated metal manufacturing	<1	27	33	106
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0

Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	2	3	8
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	4	6	15
Optical instrument and lens manufacturing	<1	5	9	22
Photographic and photocopying equipment manufacturing	<1	10	13	42
Other commercial service industry machinery manufacturing	<1	20	40	119
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	515	1,082	3,267
Industrial mold manufacturing	<1	1	2	4
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	7	9	22
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	78	128	298
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	1	2	6
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	3	3	10
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	13	27	85
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	5	9	25
Packaging machinery manufacturing	<1	2	3	9
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	5	15
Electronic computer manufacturing	<1	11	18	90
Computer storage device manufacturing	<1	5	9	48
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	1	2	6
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	3	4	15
Audio and video equipment manufacturing	<1	<1	<1	3
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	20	32	111
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	182	246	852
Other electronic component manufacturing	<1	7,372	9,246	27,311



Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	82	117	311
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	32	43	119
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	59,717	89,242	193,064
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	3
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	7	7	28
Lighting fixture manufacturing	<1	5	4	23
Small electrical appliance manufacturing	<1	16	14	132
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	11	11	23
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	3	3	8
Relay and industrial control manufacturing	<1	67	63	128
Storage battery manufacturing	<1	838	848	3,919
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	419	387	1,905
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	55	56	202
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	67	82	406
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	290	398	2,222
Motor vehicle transmission and power train parts manufacturing	<1	301	437	2,866
Motor vehicle seating and interior trim manufacturing	<1	45	58	396
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	2	4
Aircraft engine and engine parts manufacturing	<1	47	157	308
Other aircraft parts and auxiliary equipment manufacturing	<1	33,602	55,818	104,583
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	3	6	13
Boat building	<1	15	30	94
Motorcycle, bicycle, and parts manufacturing	<1	4	22	49

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	10	32	131
Wood kitchen cabinet and countertop manufacturing	<1	417	909	1,757
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	130	212	509
Other household nonupholstered furniture manufacturing	<1	90	305	759
Institutional furniture manufacturing	<1	67	83	247
Wood office furniture manufacturing	<1	<1	2	4
Custom architectural woodwork and millwork	<1	11	10	32
Office furniture, except wood, manufacturing	<1	17	67	131
Showcase, partition, shelving, and locker manufacturing	<1	57	143	314
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	2	3	10
Surgical and medical instrument manufacturing	<1	24	71	141
Surgical appliance and supplies manufacturing	<1	392	1,752	3,764
Dental equipment and supplies manufacturing	<1	11	42	97
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	21	33	72
Jewelry and silverware manufacturing	<1	102	148	571
Sporting and athletic goods manufacturing	<1	5	18	60
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	12	50	155
Sign manufacturing	<1	336	333	1,777
Gasket, packing, and sealing device manufacturing	<1	15	27	99
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	9	23	67
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	17,116	31,719	91,990
Wholesale - Professional and commercial equipment and supplies	<1	62,906	94,549	175,730
Wholesale - Household appliances and electrical and electronic goods	2	164,037	315,567	846,675
Wholesale - Machinery, equipment, and supplies	<1	42,862	68,880	139,116
Wholesale - Other durable goods merchant wholesalers	<1	55,838	88,178	200,843
Wholesale - Drugs and druggists'sundries	<1	43,384	84,786	219,696
Wholesale - Grocery and related product wholesalers	<1	34,956	46,693	104,782
Wholesale - Petroleum and petroleum products	<1	4,094	50,166	60,632
Wholesale - Other nondurable goods merchant wholesalers	<1	83,959	157,855	287,053
Wholesale - Wholesale electronic markets and agents and brokers	<1	62,817	68,170	79,927
Retail - Motor vehicle and parts dealers	<1	76,148	88,136	131,392
Retail - Furniture and home furnishings stores	<1	42,167	47,648	84,573
Retail - Electronics and appliance stores	<1	43,641	29,459	54,857
Retail - Building material and garden equipment and supplies stores	<1	50,849	76,814	116,445
Retail - Food and beverage stores	3	135,396	162,948	275,750
Retail - Health and personal care stores	1	69,222	81,948	128,366
Retail - Gasoline stores	1	38,521	64,281	147,606
Retail - Clothing and clothing accessories stores	2	47,830	62,789	163,644
Retail - Sporting goods, hobby, musical instrument and book stores	<1	29,057	32,763	59,610
Retail - General merchandise stores	2	90,700	112,056	205,779
Retail - Miscellaneous store retailers	2	63,348	54,346	95,194
Retail - Nonstore retailers	2	68,705	293,063	511,677
Air transportation	<1	21,196	57,048	94,334

Appendix

Rail transportation	<1	6,318	21,215	50,951
Water transportation	<1	9,871	1,494	19,413
Truck transportation	1	110,627	160,328	342,984
Transit and ground passenger transportation	2	37,382	44,930	70,266
Pipeline transportation	<1	906	2,234	3,858
Scenic and sightseeing transportation and support activities for transportation	1	105,671	83,371	129,368
Couriers and messengers	3	56,431	112,042	153,912
Warehousing and storage	2	134,475	143,491	265,864
Newspaper publishers	<1	12,441	17,057	28,256
Periodical publishers	<1	5,382	6,614	13,894
Book publishers	<1	1,505	2,867	7,491
Directory, mailing list, and other publishers	<1	763	1,389	3,364
Greeting card publishing	<1	216	510	1,148
Software publishers	<1	91,095	144,151	218,449
Motion picture and video industries	<1	9,856	12,400	44,425
Sound recording industries	<1	1,080	4,371	12,918
Radio and television broadcasting	<1	31,242	35,836	77,989
Cable and other subscription programming	<1	7,083	19,491	56,788
Wired telecommunications carriers	<1	51,248	124,627	239,787
Wireless telecommunications carriers (except satellite)	<1	1,254	12,776	44,322
Satellite, telecommunications resellers, and all other telecommunications	<1	10,274	12,134	26,203
Data processing, hosting, and related services	<1	33,717	98,152	237,128
News syndicates, libraries, archives and all other information services	<1	7,097	11,269	28,829
Internet publishing and broadcasting and web search portals	<1	68,856	173,123	567,427
Nondepository credit intermediation and related activities	1	162,615	196,010	276,207
Securities and commodity contracts intermediation and brokerage	3	186,657	165,515	338,457
Monetary authorities and depository credit intermediation	<1	129,829	1,573,457	1,592,466

## Appendix

Other financial investment activities	2	103,907	132,723	338,788
Direct life insurance carriers	<1	11,983	70,176	75,304
Insurance carriers, except direct life	<1	65,022	775,328	906,784
Insurance agencies, brokerages, and related activities	<1	39,588	161,899	231,162
Funds, trusts, and other financial vehicles	<1	19,759	9,806	172,677
Other real estate	13	313,581	1,059,723	2,657,550
Tenant-occupied housing	<1	18,618	301,398	321,586
Owner-occupied dwellings	0	0	1,992,333	2,404,415
Automotive equipment rental and leasing	<1	19,433	98,691	97,842
General and consumer goods rental except video tapes and discs	<1	28,032	52,148	53,249
Video tape and disc rental	<1	5,934	8,218	14,055
Commercial and industrial machinery and equipment rental and leasing	<1	22,236	104,623	103,555
Lessors of nonfinancial intangible assets	<1	4,200	61,608	63,441
Legal services	3	483,722	791,626	1,009,967
Accounting, tax preparation, bookkeeping, and payroll services	2	148,895	195,113	293,340
Architectural, engineering, and related services	<1	84,812	94,283	163,132
Specialized design services	<1	5,365	9,611	16,768
Custom computer programming services	<1	48,312	58,696	77,077
Computer systems design services	<1	75,121	69,324	87,782
Other computer related services, including facilities management	<1	9,594	14,446	25,948
Management consulting services	4	436,896	453,108	692,703
Environmental and other technical consulting services	<1	37,609	42,424	66,912
Scientific research and development services	35	4,447,725	5,536,040	9,801,915
Advertising, public relations, and related services	<1	66,298	112,883	239,949
Photographic services	<1	2,515	6,675	15,005
Veterinary services	<1	16,272	18,606	27,703
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	37,115	65,873	133,787
Management of companies and enterprises	7	-58,738	1,256,766	1,873,670

## Appendix

Office administrative services	2	168,455	71,469	166,966
Facilities support services	<1	2,707	3,742	8,360
Employment services	11	659,803	929,561	1,435,530
Business support services	1	67,195	58,617	96,348
Travel arrangement and reservation services	<1	19,723	32,283	92,305
Investigation and security services	1	57,105	58,000	80,873
Services to buildings	2	80,807	115,333	244,605
Landscape and horticultural services	1	63,235	77,631	141,020
Other support services	<1	18,653	24,168	50,803
Waste management and remediation services	<1	33,106	50,994	107,034
Elementary and secondary schools	<1	41,087	34,155	41,904
Junior colleges, colleges, universities, and professional schools	2	127,748	159,028	215,319
Other educational services	<1	37,495	41,012	80,050
Offices of physicians	3	364,727	365,439	530,515
Offices of dentists	1	96,761	109,677	142,541
Offices of other health practitioners	1	79,781	107,915	138,806
Outpatient care centers	<1	72,600	70,908	114,660
Medical and diagnostic laboratories	<1	26,215	37,278	56,597
Home health care services	2	108,101	106,682	135,943
Other ambulatory health care services	<1	17,243	19,349	31,691
Hospitals	9	1,005,345	1,151,406	1,970,008
Nursing and community care facilities	2	109,307	113,890	172,891
Residential mental retardation, mental health, substance abuse and other facilities	<1	56,126	56,210	77,379
Individual and family services	4	139,266	117,440	164,352
Child day care services	2	60,455	79,783	107,787
Community food, housing, and other relief services, including rehabilitation services	<1	33,981	31,681	71,180
Performing arts companies	<1	5,394	9,015	26,615
Commercial Sports Except Racing	<1	6,846	4,637	15,032
Racing and Track Operation	<1	2,922	5,770	13,039
Independent artists, writers, and performers	<1	6,712	17,032	39,001

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	6,528	15,050	57,226
Museums, historical sites, zoos, and parks	<1	7,994	9,202	16,805
Amusement parks and arcades	<1	1,744	2,099	2,875
Gambling industries (except casino hotels)	<1	23,153	61,600	87,026
Other amusement and recreation industries	<1	24,049	12,972	23,562
Fitness and recreational sports centers	<1	13,929	14,688	28,068
Bowling centers	<1	2,961	3,404	6,446
Hotels and motels, including casino hotels	<1	2,901	5,501	8,309
Other accommodations	<1	1,002	1,234	1,545
Full-service restaurants	7	215,125	309,975	605,616
Limited-service restaurants	5	137,009	195,928	475,922
All other food and drinking places	3	122,272	167,069	258,843
Automotive repair and maintenance, except car washes	2	154,563	168,249	236,373
Car washes	1	72,520	97,783	143,765
Electronic and precision equipment repair and maintenance	161	12,067,640	14,845,887	24,593,965
Commercial and industrial machinery and equipment repair and maintenance	<1	65,651	74,546	107,787
Personal and household goods repair and maintenance	<1	20,009	38,928	51,668
Personal care services	2	50,319	33,358	41,606
Death care services	<1	13,653	9,996	13,804
Dry-cleaning and laundry services	2	82,713	55,795	71,931
Other personal services	<1	23,673	30,351	42,477
Religious organizations	<1	77,351	52,865	108,722
Grantmaking, giving, and social advocacy organizations	<1	26,246	94,554	143,033
Business and professional associations	<1	12,979	22,898	39,542
Labor and civic organizations	<1	20,014	68,007	115,949
Private households	<1	15,372	15,372	15,372
Postal service	<1	68,925	69,313	69,338
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,481	2,899	5,059
State government passenger transit	<1	56,449	36,123	53,868



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	37,885	4,069	39,162
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	1,296	-4,095	2,144
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	5	857,132	1,313,233	2,403,185

## Moon to Mars Campaign

**Table 650: Detailed M2M Campaign Impacts by Types of Impact, Delaware**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	8	750,658	1,216,041	2,158,427
Oilseed farming	<1	491	920	1,137
Grain farming	<1	520	2,273	1,720
Vegetable and melon farming	<1	331	571	580
Fruit farming	<1	25	29	30
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	14	36	38
Tobacco farming	0	0	0	0

Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	43	92	101
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	25	56	69
Dairy cattle and milk production	<1	5	14	25
Poultry and egg production	<1	118	418	2,280
Animal production, except cattle and poultry and eggs	<1	325	529	591
Forestry, forest products, and timber tract production	<1	9	11	13
Commercial logging	<1	2	3	4
Commercial fishing	<1	32	60	60
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	219	232	262
Oil and gas extraction	<1	30	41	232
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	24	31	67
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	0	<1	0	0
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	1	8
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	0	0	0	0

## Appendix

Electric power generation - Fossil fuel	<1	175	690	1,507
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2	5	9
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	12	-2	4
Electric power transmission and distribution	<1	2,125	7,694	16,608
Natural gas distribution	<1	202	774	1,592
Water, sewage and other systems	<1	425	888	1,402
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,659	2,444	5,700
Maintenance and repair construction of residential structures	<1	781	1,082	2,473
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	11	39	156
Other animal food manufacturing	<1	32	68	432
Flour milling	0	0	0	0

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	1	6
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	4
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	13	21	65
Canned fruits and vegetables manufacturing	<1	<1	<1	1
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	8	16	65
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	3	6	18
Frozen cakes and other pastries manufacturing	<1	13	16	32
Poultry processing	<1	604	846	3,587
Animal, except poultry, slaughtering	<1	1	2	12
Meat processed from carcasses	<1	26	26	204
Rendering and meat byproduct processing	<1	<1	<1	3
Seafood product preparation and packaging	<1	9	15	50
Bread and bakery product, except frozen, manufacturing	<1	22	30	85
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0

## Appendix

Roasted nuts and peanut butter manufacturing	<1	3	4	19
Other snack food manufacturing	<1	2	3	14
Coffee and tea manufacturing	<1	12	29	105
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	22	53	155
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	8	13	27
Bottled and canned soft drinks & water	<1	23	51	215
Manufactured ice	0	0	0	0
Breweries	<1	8	19	78
Wineries	<1	7	14	75
Distilleries	<1	4	14	41
Tobacco product manufacturing	<1	42	1,458	2,248
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	3
Nonwoven fabric mills	<1	16	74	145
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	1	3	5
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	3	6	12
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	2	1	2
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	5	1	5
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1

## Appendix

Sawmills	<1	2	2	9
Wood preservation	<1	<1	<1	4
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	6	5	20
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	26	22	77
Cut stock, resawing lumber, and planing	<1	2	1	11
Other millwork, including flooring	<1	1	<1	4
Wood container and pallet manufacturing	<1	24	19	64
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	3	2	12
All other miscellaneous wood product manufacturing	<1	6	4	17
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	73	119	510
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	123	404	1,242
All other converted paper product manufacturing	<1	3	5	16
Printing	<1	884	652	1,472
Support activities for printing	<1	14	10	17
Petroleum refineries	<1	353	1,105	13,917
Asphalt paving mixture and block manufacturing	<1	5	5	33
Asphalt shingle and coating materials manufacturing	<1	8	15	73
Petroleum lubricating oil and grease manufacturing	<1	14	19	88
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	57	343	617

## Appendix

Synthetic dye and pigment manufacturing	<1	8	27	51
Other basic inorganic chemical manufacturing	<1	24	100	181
Other basic organic chemical manufacturing	<1	124	574	1,749
Plastics material and resin manufacturing	<1	13	40	156
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	18	32	100
Nitrogenous fertilizer manufacturing	<1	10	78	113
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	2	3
Pesticide and other agricultural chemical manufacturing	<1	18	123	241
Medicinal and botanical manufacturing	<1	1	5	10
Pharmaceutical preparation manufacturing	<1	15	74	131
In-vitro diagnostic substance manufacturing	<1	6	13	26
Biological product (except diagnostic) manufacturing	<1	16	83	132
Paint and coating manufacturing	<1	2	6	13
Adhesive manufacturing	<1	2	4	10
Soap and other detergent manufacturing	<1	12	61	93
Polish and other sanitation good manufacturing	<1	27	75	122
Surface active agent manufacturing	<1	11	91	137
Toilet preparation manufacturing	<1	6	35	56
Printing ink manufacturing	<1	7	8	26
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	102	371	679
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	26	67	172
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	73	114	422
Unlaminated plastics profile shape manufacturing	<1	2	5	15
Plastics pipe and pipe fitting manufacturing	<1	1	4	13

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5	8	25
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	11	19	74
Plastics bottle manufacturing	<1	1	2	9
Other plastics product manufacturing	<1	52	78	313
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	3	5	16
Other rubber product manufacturing	<1	17	21	73
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	5	8
Brick, tile, and other structural clay product manufacturing	<1	9	16	31
Flat glass manufacturing	<1	<1	<1	2
Other pressed and blown glass and glassware manufacturing	<1	<1	1	5
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	<1	<1	3
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	73	129	424
Concrete block and brick manufacturing	<1	9	18	48
Concrete pipe manufacturing	<1	2	3	8
Other concrete product manufacturing	<1	21	33	85
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	8	11	28
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	2	4
Iron and steel mills and ferroalloy manufacturing	<1	129	26	1,331
Iron, steel pipe and tube manufacturing from purchased steel	<1	10	4	68



## Appendix

Rolled steel shape manufacturing	<1	8	<1	73
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	24	12	341
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	<1	4
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	1	3
Prefabricated metal buildings and components manufacturing	<1	1	2	7
Fabricated structural metal manufacturing	<1	10	14	66
Plate work manufacturing	<1	5	5	18
Metal window and door manufacturing	<1	3	4	14
Sheet metal work manufacturing	<1	43	52	165
Ornamental and architectural metal work manufacturing	<1	1	1	4
Power boiler and heat exchanger manufacturing	<1	0	<1	<1
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	<1

## Appendix

Machine shops	<1	80	90	192
Turned product and screw, nut, and bolt manufacturing	<1	9	10	29
Metal heat treating	<1	6	8	21
Metal coating and nonprecious engraving	<1	10	16	51
Electroplating, anodizing, and coloring metal	<1	3	3	8
Valve and fittings, other than plumbing, manufacturing	<1	2	2	9
Plumbing fixture fitting and trim manufacturing	<1	1	2	11
Ball and roller bearing manufacturing	<1	11	15	48
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	2
Other fabricated metal manufacturing	<1	2	2	6
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	0	<1	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	1
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	<1	0	<1	<1
Other commercial service industry machinery manufacturing	<1	2	3	9

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	17	36	107
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	<1	1	3
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	5	10
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	0	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	<1	1	4
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	1
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	<1	<1	<1	1
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	0	0	<1
Broadcast and wireless communications equipment manufacturing	<1	0	0	<1
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	0	0	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	<1	<1	2
Other electronic component manufacturing	<1	23	29	84
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	4	10
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	1	2	5
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	42,618	64,461	137,074
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	0	0	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	<1	<1	<1
Lighting fixture manufacturing	<1	<1	0	1
Small electrical appliance manufacturing	<1	<1	<1	4
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	<1
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	0	0	<1
Relay and industrial control manufacturing	<1	10	9	20
Storage battery manufacturing	<1	28	28	126
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	20	19	91
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1	2	9

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	9	12	65
Motor vehicle transmission and power train parts manufacturing	<1	8	10	70
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	4
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	<1	2	5
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	0	0	<1
Ship building and repairing	<1	<1	<1	<1
Boat building	<1	<1	<1	2
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	0	<1	2
Wood kitchen cabinet and countertop manufacturing	<1	15	32	62
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	3	6	13
Other household nonupholstered furniture manufacturing	<1	2	8	20
Institutional furniture manufacturing	<1	4	5	15
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	<1	1	5	11
Showcase, partition, shelving, and locker manufacturing	<1	3	7	16
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	1	3	6
Surgical appliance and supplies manufacturing	<1	12	53	112
Dental equipment and supplies manufacturing	<1	<1	1	3
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	<1	1	2
Jewelry and silverware manufacturing	<1	3	4	15
Sporting and athletic goods manufacturing	<1	<1	<1	1
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	2	6
Sign manufacturing	<1	19	18	97
Gasket, packing, and sealing device manufacturing	<1	<1	<1	3
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	2
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	477	892	2,589
Wholesale - Professional and commercial equipment and supplies	<1	1,972	2,980	5,502
Wholesale - Household appliances and electrical and electronic goods	<1	1,975	3,807	10,242
Wholesale - Machinery, equipment, and supplies	<1	1,540	2,478	5,000
Wholesale - Other durable goods merchant wholesalers	<1	1,892	2,991	6,807

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	1,154	2,258	5,780
Wholesale - Grocery and related product wholesalers	<1	904	1,205	2,703
Wholesale - Petroleum and petroleum products	<1	106	1,476	1,747
Wholesale - Other nondurable goods merchant wholesalers	<1	2,714	5,288	9,431
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,366	1,477	1,730
Retail - Motor vehicle and parts dealers	<1	1,933	2,241	3,327
Retail - Furniture and home furnishings stores	<1	1,082	1,225	2,162
Retail - Electronics and appliance stores	<1	1,126	764	1,399
Retail - Building material and garden equipment and supplies stores	<1	1,348	2,036	3,069
Retail - Food and beverage stores	<1	3,529	4,247	7,153
Retail - Health and personal care stores	<1	1,753	2,081	3,233
Retail - Gasoline stores	<1	1,011	1,647	3,708
Retail - Clothing and clothing accessories stores	<1	1,229	1,605	4,121
Retail - Sporting goods, hobby, musical instrument and book stores	<1	751	845	1,523
Retail - General merchandise stores	<1	2,273	2,816	5,130
Retail - Miscellaneous store retailers	<1	1,620	1,394	2,410
Retail - Nonstore retailers	<1	1,742	7,603	13,248
Air transportation	<1	855	2,321	3,808
Rail transportation	<1	248	789	1,946
Water transportation	<1	483	76	911
Truck transportation	<1	3,266	4,715	9,964
Transit and ground passenger transportation	<1	1,748	2,096	3,095
Pipeline transportation	<1	81	175	294
Scenic and sightseeing transportation and support activities for transportation	<1	5,271	4,110	6,366
Couriers and messengers	<1	2,671	5,261	7,210
Warehousing and storage	<1	5,148	5,517	10,176
Newspaper publishers	<1	747	1,111	1,749
Periodical publishers	<1	420	584	1,118
Book publishers	<1	111	244	589



## Appendix

Directory, mailing list, and other publishers	<1	56	107	258
Greeting card publishing	<1	5	13	28
Software publishers	<1	1,515	2,457	3,804
Motion picture and video industries	<1	364	460	1,564
Sound recording industries	<1	45	185	521
Radio and television broadcasting	<1	1,851	2,133	4,289
Cable and other subscription programming	<1	408	1,160	3,203
Wired telecommunications carriers	<1	1,737	4,392	8,284
Wireless telecommunications carriers (except satellite)	<1	40	448	1,478
Satellite, telecommunications resellers, and all other telecommunications	<1	412	481	1,049
Data processing, hosting, and related services	<1	1,407	4,104	9,687
News syndicates, libraries, archives and all other information services	<1	321	514	1,267
Internet publishing and broadcasting and web search portals	<1	14,923	35,511	160,066
Nondepository credit intermediation and related activities	<1	4,616	5,577	7,699
Securities and commodity contracts intermediation and brokerage	<1	5,831	4,999	9,465
Monetary authorities and depository credit intermediation	<1	3,904	50,452	49,213
Other financial investment activities	<1	3,228	4,095	9,568
Direct life insurance carriers	<1	282	1,672	1,776
Insurance carriers, except direct life	<1	1,829	21,917	25,092
Insurance agencies, brokerages, and related activities	<1	1,161	4,727	6,701
Funds, trusts, and other financial vehicles	<1	560	292	4,526
Other real estate	<1	12,475	41,068	99,502
Tenant-occupied housing	<1	480	8,078	8,569
Owner-occupied dwellings	0	0	50,617	61,087
Automotive equipment rental and leasing	<1	522	2,716	2,638

## Appendix

General and consumer goods rental except video tapes and discs	<1	801	1,489	1,502
Video tape and disc rental	<1	145	203	347
Commercial and industrial machinery and equipment rental and leasing	<1	1,374	6,429	6,342
Lessors of nonfinancial intangible assets	<1	213	3,329	3,414
Legal services	<1	20,422	34,304	43,097
Accounting, tax preparation, bookkeeping, and payroll services	<1	5,465	7,290	10,740
Architectural, engineering, and related services	<1	4,354	4,876	8,361
Specialized design services	<1	220	403	681
Custom computer programming services	<1	8,674	10,508	13,783
Computer systems design services	<1	4,785	4,428	5,558
Other computer related services, including facilities management	<1	623	934	1,663
Management consulting services	<1	27,007	28,083	42,156
Environmental and other technical consulting services	<1	1,865	2,121	3,293
Scientific research and development services	2	298,426	370,771	640,036
Advertising, public relations, and related services	<1	4,258	7,357	15,245
Photographic services	<1	90	253	541
Veterinary services	<1	434	500	734
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,853	7,416	13,979
Management of companies and enterprises	<1	-1,891	40,708	59,880
Office administrative services	<1	8,345	3,821	8,193
Facilities support services	<1	98	139	296
Employment services	<1	22,060	31,721	46,942
Business support services	<1	2,484	2,203	3,484
Travel arrangement and reservation services	<1	790	1,310	3,551
Investigation and security services	<1	1,978	2,013	2,751
Services to buildings	<1	2,827	4,120	8,439
Landscape and horticultural services	<1	2,119	2,634	4,661
Other support services	<1	745	975	1,998
Waste management and remediation services	<1	1,041	1,603	3,339

## Appendix

Elementary and secondary schools	<1	1,195	990	1,203
Junior colleges, colleges, universities, and professional schools	<1	1,502	1,891	2,499
Other educational services	<1	1,034	1,137	2,184
Offices of physicians	<1	9,193	9,230	13,372
Offices of dentists	<1	2,459	2,832	3,655
Offices of other health practitioners	<1	1,938	2,706	3,453
Outpatient care centers	<1	1,897	1,859	3,015
Medical and diagnostic laboratories	<1	682	1,004	1,498
Home health care services	<1	2,830	2,800	3,582
Other ambulatory health care services	<1	437	498	809
Hospitals	<1	28,183	32,486	55,604
Nursing and community care facilities	<1	2,988	3,116	4,662
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,659	1,663	2,260
Individual and family services	<1	3,825	3,259	4,523
Child day care services	<1	1,587	2,159	2,879
Community food, housing, and other relief services, including rehabilitation services	<1	995	931	2,050
Performing arts companies	<1	183	300	832
Commercial Sports Except Racing	<1	232	162	514
Racing and Track Operation	<1	84	161	350
Independent artists, writers, and performers	<1	282	685	1,534
Promoters of performing arts and sports and agents for public figures	<1	229	503	1,798
Museums, historical sites, zoos, and parks	<1	220	253	452
Amusement parks and arcades	<1	51	60	81
Gambling industries (except casino hotels)	<1	614	1,641	2,301
Other amusement and recreation industries	<1	650	350	628
Fitness and recreational sports centers	<1	402	422	790
Bowling centers	<1	74	86	161
Hotels and motels, including casino hotels	<1	111	205	308
Other accommodations	<1	34	41	51

## Appendix

Full-service restaurants	<1	6,210	8,905	17,264
Limited-service restaurants	<1	3,664	5,204	12,448
All other food and drinking places	<1	4,051	5,467	8,356
Automotive repair and maintenance, except car washes	<1	3,978	4,220	5,916
Car washes	<1	1,822	2,449	3,588
Electronic and precision equipment repair and maintenance	<1	16,234	19,404	30,468
Commercial and industrial machinery and equipment repair and maintenance	<1	3,318	3,725	5,187
Personal and household goods repair and maintenance	<1	557	1,018	1,362
Personal care services	<1	1,287	781	991
Death care services	<1	382	259	361
Dry-cleaning and laundry services	<1	730	453	591
Other personal services	<1	698	871	1,222
Religious organizations	<1	2,260	1,376	3,016
Grantmaking, giving, and social advocacy organizations	<1	805	2,570	3,959
Business and professional associations	<1	380	611	1,061
Labor and civic organizations	<1	589	1,767	3,095
Private households	<1	408	408	408
Postal service	<1	2,885	2,902	2,903
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	46	99	162
State government passenger transit	<1	3,245	589	2,358
State government electric utilities	0	0	0	0
Other state government enterprises	<1	739	74	702
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	39	-103	58
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	40,622	77,232	141,333

## Investments in Climate Change Research and Technology

**Table 651: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	22	1,830,188	2,892,273	4,910,963
Oilseed farming	<1	784	1,142	1,346
Grain farming	<1	1,561	4,543	4,906
Vegetable and melon farming	<1	965	1,562	1,630
Fruit farming	<1	69	78	81
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	44	109	118
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	173	343	384
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	168	300	380
Dairy cattle and milk production	<1	16	40	77
Poultry and egg production	<1	457	1,429	8,999
Animal production, except cattle and poultry and eggs	<1	1,325	1,641	1,863
Forestry, forest products, and timber tract production	<1	25	30	40

## Appendix

Commercial logging	<1	7	8	11
Commercial fishing	<1	39	160	162
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	974	1,019	1,127
Oil and gas extraction	<1	133	156	812
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	77	102	226
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	0	0	0	0
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	1	2	9
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	349	1,610	3,517
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	4	10	20
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	26	-11	13
Electric power transmission and distribution	<1	5,310	20,984	45,702

## Appendix

Natural gas distribution	<1	526	2,066	4,359
Water, sewage and other systems	<1	1,521	3,350	5,514
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,950	7,089	17,231
Maintenance and repair construction of residential structures	<1	2,032	2,758	6,522
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	2	5
Dog and cat food manufacturing	<1	36	124	525
Other animal food manufacturing	<1	115	235	1,537
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3	4	17

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	3	12
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	43	68	210
Canned fruits and vegetables manufacturing	<1	<1	2	4
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	22	43	176
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	11	18	57
Frozen cakes and other pastries manufacturing	<1	41	49	101
Poultry processing	<1	2,615	3,492	14,840
Animal, except poultry, slaughtering	<1	5	7	47
Meat processed from carcasses	<1	74	72	578
Rendering and meat byproduct processing	<1	1	2	9
Seafood product preparation and packaging	<1	32	52	189
Bread and bakery product, except frozen, manufacturing	<1	69	92	263
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	9	11	54
Other snack food manufacturing	<1	7	9	45
Coffee and tea manufacturing	<1	41	95	352
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	71	175	499
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	21	35	74
Bottled and canned soft drinks & water	<1	78	164	695
Manufactured ice	0	0	0	0



## Appendix

Breweries	<1	25	59	246
Wineries	<1	16	34	182
Distilleries	<1	12	45	131
Tobacco product manufacturing	<1	115	2,925	5,034
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	3	4	11
Nonwoven fabric mills	<1	27	112	254
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1	3	7
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	1	4
Textile bag and canvas mills	<1	3	9	18
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	6	12	26
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	7	5	8
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	1
Apparel accessories and other apparel manufacturing	<1	12	3	13
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	1
Sawmills	<1	8	6	34
Wood preservation	<1	3	<1	18
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	16	13	51
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	77	67	235
Cut stock, resawing lumber, and planing	<1	8	5	34

## Appendix

Other millwork, including flooring	<1	3	2	11
Wood container and pallet manufacturing	<1	63	54	178
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	11	8	39
All other miscellaneous wood product manufacturing	<1	12	10	41
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	99	167	698
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	390	1,336	3,923
All other converted paper product manufacturing	<1	4	9	26
Printing	<1	1,022	722	1,761
Support activities for printing	<1	11	7	13
Petroleum refineries	<1	1,108	3,169	42,255
Asphalt paving mixture and block manufacturing	<1	14	16	104
Asphalt shingle and coating materials manufacturing	<1	23	36	195
Petroleum lubricating oil and grease manufacturing	<1	24	31	157
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	240	1,285	2,463
Synthetic dye and pigment manufacturing	<1	17	54	101
Other basic inorganic chemical manufacturing	<1	91	326	630
Other basic organic chemical manufacturing	<1	377	1,531	4,778
Plastics material and resin manufacturing	<1	39	102	415
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	34	68	215
Nitrogenous fertilizer manufacturing	<1	20	140	260

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	5	11
Pesticide and other agricultural chemical manufacturing	<1	68	418	835
Medicinal and botanical manufacturing	<1	4	11	23
Pharmaceutical preparation manufacturing	<1	38	179	332
In-vitro diagnostic substance manufacturing	<1	10	23	44
Biological product (except diagnostic) manufacturing	<1	26	156	263
Paint and coating manufacturing	<1	4	14	32
Adhesive manufacturing	<1	3	6	15
Soap and other detergent manufacturing	<1	28	137	242
Polish and other sanitation good manufacturing	<1	74	194	332
Surface active agent manufacturing	<1	35	277	439
Toilet preparation manufacturing	<1	16	90	149
Printing ink manufacturing	<1	2	3	8
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	20	52	117
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	36	89	229
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	68	106	411
Unlaminated plastics profile shape manufacturing	<1	7	14	45
Plastics pipe and pipe fitting manufacturing	<1	4	11	36
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	11	18	62
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	35	57	225
Plastics bottle manufacturing	<1	3	5	22
Other plastics product manufacturing	<1	98	143	605
Tire manufacturing	0	0	0	0

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	10	16	56
Other rubber product manufacturing	<1	63	79	264
Pottery, ceramics, and plumbing fixture manufacturing	<1	7	12	21
Brick, tile, and other structural clay product manufacturing	<1	27	52	98
Flat glass manufacturing	<1	<1	<1	3
Other pressed and blown glass and glassware manufacturing	<1	2	3	11
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1	3	7
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	237	440	1,415
Concrete block and brick manufacturing	<1	26	53	140
Concrete pipe manufacturing	<1	7	12	32
Other concrete product manufacturing	<1	75	125	309
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	24	35	88
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	2	5	13
Iron and steel mills and ferroalloy manufacturing	<1	227	46	2,416
Iron, steel pipe and tube manufacturing from purchased steel	<1	13	6	92
Rolled steel shape manufacturing	<1	9	<1	87
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	13	6	184
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	<1	6
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	1	3
Prefabricated metal buildings and components manufacturing	<1	3	4	16
Fabricated structural metal manufacturing	<1	33	45	216
Plate work manufacturing	<1	12	13	46
Metal window and door manufacturing	<1	7	9	30
Sheet metal work manufacturing	<1	17	22	72
Ornamental and architectural metal work manufacturing	<1	3	4	11
Power boiler and heat exchanger manufacturing	<1	0	<1	<1
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	2
Machine shops	<1	67	76	163
Turned product and screw, nut, and bolt manufacturing	<1	2	2	6
Metal heat treating	<1	2	3	7
Metal coating and nonprecious engraving	<1	5	7	24
Electroplating, anodizing, and coloring metal	<1	2	2	5
Valve and fittings, other than plumbing, manufacturing	<1	3	3	12
Plumbing fixture fitting and trim manufacturing	<1	3	6	29

## Appendix

Ball and roller bearing manufacturing	<1	5	8	24
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	2	2	7
Other fabricated metal manufacturing	<1	2	3	8
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	1
Optical instrument and lens manufacturing	<1	<1	1	3
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	2	4	12
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	48	107	324
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	<1	<1	2
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4	7	17
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	1	2	7
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	<1	<1	<1	2
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	0	0	<1

Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	0	<1	1
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	0	0	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	<1	1	5
Other electronic component manufacturing	0	-508	-660	-1,955
Electromedical and electrotherapeutic apparatus manufacturing	<1	6	9	24
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	1	1	4
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	2,550	3,832	8,375
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	<1	<1	2
Lighting fixture manufacturing	<1	<1	<1	3
Small electrical appliance manufacturing	<1	1	<1	9



## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	1
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	0	0	<1
Relay and industrial control manufacturing	<1	2	2	5
Storage battery manufacturing	<1	68	68	334
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	23	20	105
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	3
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	6	7	36
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	27	36	212
Motor vehicle transmission and power train parts manufacturing	<1	13	19	134
Motor vehicle seating and interior trim manufacturing	<1	1	1	11
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	2	9	18
Other aircraft parts and auxiliary equipment manufacturing	0	-609	-1,007	-1,984
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	0	0	<1
Ship building and repairing	<1	<1	<1	2
Boat building	<1	1	2	8
Motorcycle, bicycle, and parts manufacturing	<1	<1	2	4
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	<1	2	12
Wood kitchen cabinet and countertop manufacturing	<1	46	100	195
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	10	16	38
Other household nonupholstered furniture manufacturing	<1	7	24	61
Institutional furniture manufacturing	<1	6	8	23
Wood office furniture manufacturing	<1	0	<1	<1
Custom architectural woodwork and millwork	<1	1	1	4
Office furniture, except wood, manufacturing	<1	1	6	11
Showcase, partition, shelving, and locker manufacturing	<1	5	13	29
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	2	5	11
Surgical appliance and supplies manufacturing	<1	31	132	291

## Appendix

Dental equipment and supplies manufacturing	<1	<1	3	8
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	2	3	6
Jewelry and silverware manufacturing	<1	8	11	44
Sporting and athletic goods manufacturing	<1	<1	1	5
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	4	14
Sign manufacturing	<1	29	28	154
Gasket, packing, and sealing device manufacturing	<1	1	2	9
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	2	5
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,111	2,096	6,012
Wholesale - Professional and commercial equipment and supplies	<1	3,530	5,359	9,958
Wholesale - Household appliances and electrical and electronic goods	<1	1,497	2,938	7,940
Wholesale - Machinery, equipment, and supplies	<1	2,830	4,618	9,317
Wholesale - Other durable goods merchant wholesalers	<1	3,914	6,275	14,257
Wholesale - Drugs and druggists'sundries	<1	3,022	6,067	15,793
Wholesale - Grocery and related product wholesalers	<1	2,565	3,472	7,802
Wholesale - Petroleum and petroleum products	<1	334	3,792	4,619
Wholesale - Other nondurable goods merchant wholesalers	<1	6,132	11,654	21,260
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,006	3,282	3,887
Retail - Motor vehicle and parts dealers	<1	5,314	6,237	9,308
Retail - Furniture and home furnishings stores	<1	2,811	3,217	5,735

## Appendix

Retail - Electronics and appliance stores	<1	2,918	1,998	3,755
Retail - Building material and garden equipment and supplies stores	<1	3,417	5,298	8,028
Retail - Food and beverage stores	<1	8,930	10,905	18,468
Retail - Health and personal care stores	<1	4,603	5,514	8,716
Retail - Gasoline stores	<1	2,636	4,463	10,191
Retail - Clothing and clothing accessories stores	<1	3,208	4,334	11,352
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,904	2,177	3,985
Retail - General merchandise stores	<1	6,167	7,757	14,216
Retail - Miscellaneous store retailers	<1	4,151	3,623	6,395
Retail - Nonstore retailers	<1	4,457	19,668	34,357
Air transportation	<1	1,639	4,368	7,320
Rail transportation	<1	554	1,849	4,456
Water transportation	<1	1,112	159	2,146
Truck transportation	<1	5,847	8,548	18,671
Transit and ground passenger transportation	<1	2,734	3,380	5,432
Pipeline transportation	<1	60	149	273
Scenic and sightseeing transportation and support activities for transportation	<1	13,790	11,192	17,058
Couriers and messengers	<1	3,323	6,990	9,559
Warehousing and storage	<1	7,909	8,417	15,747
Newspaper publishers	<1	938	1,233	2,089
Periodical publishers	<1	378	442	967
Book publishers	<1	112	207	554
Directory, mailing list, and other publishers	<1	61	106	266
Greeting card publishing	<1	13	30	66
Software publishers	<1	2,634	3,803	6,274
Motion picture and video industries	<1	678	849	3,078
Sound recording industries	<1	85	342	1,020
Radio and television broadcasting	<1	2,446	2,811	6,436
Cable and other subscription programming	<1	521	1,396	4,147
Wired telecommunications carriers	<1	3,262	7,888	15,440

## Appendix

Wireless telecommunications carriers (except satellite)	<1	103	986	3,534
Satellite, telecommunications resellers, and all other telecommunications	<1	625	780	1,656
Data processing, hosting, and related services	<1	3,058	8,943	21,674
News syndicates, libraries, archives and all other information services	<1	578	924	2,313
Internet publishing and broadcasting and web search portals	<1	3,576	9,309	30,090
Nondepository credit intermediation and related activities	<1	11,415	13,713	19,537
Securities and commodity contracts intermediation and brokerage	<1	12,944	11,641	24,932
Monetary authorities and depository credit intermediation	<1	12,199	135,548	142,014
Other financial investment activities	<1	6,712	8,512	22,754
Direct life insurance carriers	<1	788	4,553	5,105
Insurance carriers, except direct life	<1	4,787	55,575	67,772
Insurance agencies, brokerages, and related activities	<1	3,105	12,561	18,426
Funds, trusts, and other financial vehicles	<1	1,329	652	11,655
Other real estate	1	35,704	119,124	301,514
Tenant-occupied housing	<1	1,225	20,180	21,650
Owner-occupied dwellings	0	0	129,978	157,832
Automotive equipment rental and leasing	<1	1,284	6,349	6,442
General and consumer goods rental except video tapes and discs	<1	2,094	3,922	4,028
Video tape and disc rental	<1	396	559	955
Commercial and industrial machinery and equipment rental and leasing	<1	1,596	7,296	7,361
Lessors of nonfinancial intangible assets	<1	530	7,103	7,338
Legal services	<1	62,117	99,726	128,123
Accounting, tax preparation, bookkeeping, and payroll services	<1	10,985	14,302	21,892
Architectural, engineering, and related services	<1	14,653	16,273	28,390
Specialized design services	<1	421	754	1,345

## Appendix

Custom computer programming services	<1	3,328	4,040	5,477
Computer systems design services	<1	5,789	5,338	6,850
Other computer related services, including facilities management	<1	824	1,242	2,245
Management consulting services	<1	46,866	48,556	75,513
Environmental and other technical consulting services	<1	4,048	4,549	7,307
Scientific research and development services	8	1,008,540	1,288,547	2,230,796
Advertising, public relations, and related services	<1	5,321	9,062	19,576
Photographic services	<1	223	576	1,342
Veterinary services	<1	1,153	1,315	1,975
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	5,413	9,639	19,931
Management of companies and enterprises	<1	-3,673	78,821	119,852
Office administrative services	<1	13,851	5,837	14,032
Facilities support services	<1	216	297	683
Employment services	<1	52,968	74,182	119,091
Business support services	<1	6,492	5,647	9,590
Travel arrangement and reservation services	<1	2,197	3,600	10,185
Investigation and security services	<1	4,521	4,587	6,543
Services to buildings	<1	7,392	10,488	22,643
Landscape and horticultural services	<1	5,347	6,545	12,136
Other support services	<1	1,648	2,130	4,600
Waste management and remediation services	<1	3,011	4,700	9,868
Elementary and secondary schools	<1	2,540	2,118	2,622
Junior colleges, colleges, universities, and professional schools	1	57,468	71,807	97,314
Other educational services	<1	2,551	2,784	5,509
Offices of physicians	<1	23,915	23,929	35,183
Offices of dentists	<1	6,304	7,129	9,362
Offices of other health practitioners	<1	5,276	7,093	9,216
Outpatient care centers	<1	4,858	4,741	7,628
Medical and diagnostic laboratories	<1	1,807	2,566	3,926
Home health care services	<1	6,928	6,827	8,845

## Appendix

Other ambulatory health care services	<1	1,122	1,256	2,083
Hospitals	<1	60,988	69,571	119,663
Nursing and community care facilities	<1	6,834	7,091	10,973
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,328	3,328	4,668
Individual and family services	<1	8,366	7,061	10,152
Child day care services	<1	3,724	4,892	6,705
Community food, housing, and other relief services, including rehabilitation services	<1	2,020	1,881	4,310
Performing arts companies	<1	385	622	1,873
Commercial Sports Except Racing	<1	505	316	1,060
Racing and Track Operation	<1	179	362	840
Independent artists, writers, and performers	<1	570	1,383	3,200
Promoters of performing arts and sports and agents for public figures	<1	486	1,077	4,181
Museums, historical sites, zoos, and parks	<1	494	559	1,040
Amusement parks and arcades	<1	128	148	206
Gambling industries (except casino hotels)	<1	1,470	3,863	5,527
Other amusement and recreation industries	<1	1,559	832	1,534
Fitness and recreational sports centers	<1	917	936	1,836
Bowling centers	<1	189	214	412
Hotels and motels, including casino hotels	<1	257	492	749
Other accommodations	<1	76	94	119
Full-service restaurants	<1	15,653	22,711	44,945
Limited-service restaurants	<1	9,538	13,709	33,871
All other food and drinking places	<1	9,985	13,694	21,492
Automotive repair and maintenance, except car washes	<1	9,285	10,356	14,623
Car washes	<1	4,611	6,286	9,292
Electronic and precision equipment repair and maintenance	<1	11,052	13,942	22,889
Commercial and industrial machinery and equipment repair and maintenance	<1	3,018	3,489	5,169
Personal and household goods repair and maintenance	<1	1,346	2,740	3,636

## Appendix

Personal care services	<1	3,260	2,281	2,851
Death care services	<1	898	685	951
Dry-cleaning and laundry services	<1	1,872	1,335	1,722
Other personal services	<1	1,871	2,427	3,428
Religious organizations	<1	4,757	3,424	6,799
Grantmaking, giving, and social advocacy organizations	<1	1,553	5,846	8,820
Business and professional associations	<1	871	1,607	2,782
Labor and civic organizations	<1	1,196	4,285	7,199
Private households	<1	1,043	1,043	1,048
Postal service	<1	4,415	4,438	4,471
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	112	236	381
State government passenger transit	<1	2,218	7,233	2,844
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,376	296	2,877
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	126	-448	216
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	7,549	14,225	26,031

## Florida

## NASA

Table 652: Detailed NASA Impacts by Types of Impact, Florida

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	35,685	2,752,733,752	4,372,071,443	8,297,297,838
Oilseed farming	<1	6,547	87,957	110,483
Grain farming	3	127,184	477,357	1,042,626
Vegetable and melon farming	21	849,718	2,066,814	3,597,383
Fruit farming	19	599,788	1,482,002	2,104,284
Tree nut farming	<1	4,506	11,491	16,807
Greenhouse, nursery, and floriculture production	23	1,034,259	1,959,294	2,929,222
Tobacco farming	<1	25,004	33,858	46,963
Cotton farming	<1	15,307	26,321	34,581
Sugarcane and sugar beet farming	7	416,383	762,864	1,223,124
All other crop farming	56	685,994	1,257,172	1,988,972
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	17	183,247	1,252,633	3,047,805
Dairy cattle and milk production	5	219,821	665,030	2,885,919
Poultry and egg production	3	160,313	339,303	2,328,504
Animal production, except cattle and poultry and eggs	22	713,981	3,539,096	4,029,439
Forestry, forest products, and timber tract production	3	201,917	243,229	325,948
Commercial logging	10	605,952	820,637	1,227,493
Commercial fishing	8	33,813	898,345	906,397
Commercial hunting and trapping	1	12,066	160,181	187,489
Support activities for agriculture and forestry	65	3,066,183	3,168,050	3,501,411
Oil and gas extraction	29	40,158	291,570	31,165,788
Coal mining	<1	12,688	44,778	85,281
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	851	3,090	9,783
Silver ore mining	<1	143	374	1,214
Uranium-radium-vanadium ore mining	<1	90,563	284,397	547,127
Other metal ore mining	<1	37,977	86,916	180,737
Stone mining and quarrying	3	272,844	1,078,633	1,715,231
Sand and gravel mining	2	141,929	282,166	518,226

## Appendix

Other clay, ceramic, refractory minerals mining	<1	45,847	93,723	161,464
Potash, soda, and borate mineral mining	<1	28,945	47,683	92,852
Phosphate rock mining	<1	12,006	24,957	48,320
Other chemical and fertilizer mineral mining	<1	32,422	54,570	107,325
Other nonmetallic minerals	1	81,689	161,089	312,641
Drilling oil and gas wells	<1	80	176	1,349
Support activities for oil and gas operations	<1	1,007	1,413	9,523
Metal mining services	<1	2,701	-15,084	513,814
Other nonmetallic minerals services	<1	163	308	13,323
Electric power generation - Hydroelectric	<1	20,952	58,070	88,865
Electric power generation - Fossil fuel	15	3,561,755	16,756,568	31,102,024
Electric power generation - Nuclear	4	1,229,973	2,855,029	4,635,448
Electric power generation - Solar	2	374,713	1,133,653	1,830,992
Electric power generation - Wind	<1	98,783	881,504	1,148,448
Electric power generation - Geothermal	<1	8,480	22,165	34,759
Electric power generation - Biomass	<1	100,917	377,700	784,059
Electric power generation - All other	2	390,755	338,626	546,295
Electric power transmission and distribution	41	9,262,041	41,389,731	76,135,205
Natural gas distribution	6	1,127,464	5,256,881	8,886,421
Water, sewage and other systems	9	1,106,704	2,766,914	4,339,528
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	653	42,363,873	43,797,478	94,754,918
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	125	7,406,625	13,132,713	31,877,797
Maintenance and repair construction of residential structures	54	3,038,047	4,958,834	11,688,421
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5,363	9,412	22,876
Dog and cat food manufacturing	<1	58,547	114,604	795,508
Other animal food manufacturing	4	358,041	687,211	5,482,878
Flour milling	1	129,830	211,279	1,494,065
Rice milling	<1	5,399	7,884	70,279
Malt manufacturing	<1	7,238	9,326	46,037
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	7,501	29,577	679,754
Fats and oils refining and blending	<1	48,683	100,539	1,407,327
Breakfast cereal manufacturing	<1	3,456	6,209	66,712
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	1	132,782	259,549	1,536,593
Nonchocolate confectionery manufacturing	2	67,563	84,369	643,588
Chocolate and confectionery manufacturing from cacao beans	<1	17,132	22,094	136,554
Confectionery manufacturing from purchased chocolate	1	47,979	59,783	402,393
Frozen fruits, juices and vegetables manufacturing	7	516,874	825,991	3,776,325
Frozen specialties manufacturing	3	154,629	185,211	1,099,011
Canned fruits and vegetables manufacturing	6	499,579	749,641	3,277,121
Canned specialties	<1	4,684	8,028	56,193
Dehydrated food products manufacturing	<1	16,371	24,021	139,367
Cheese manufacturing	<1	15,836	19,143	193,793
Dry, condensed, and evaporated dairy product manufacturing	<1	4,707	8,222	103,384
Fluid milk manufacturing	5	335,853	440,567	3,670,565
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	2	84,154	103,713	719,502

## Appendix

Frozen cakes and other pastries manufacturing	23	788,964	1,228,231	2,368,495
Poultry processing	6	309,595	356,718	2,012,204
Animal, except poultry, slaughtering	2	190,882	267,725	1,790,614
Meat processed from carcasses	6	396,404	460,079	3,490,979
Rendering and meat byproduct processing	2	142,647	179,490	904,641
Seafood product preparation and packaging	6	364,856	419,575	2,917,123
Bread and bakery product, except frozen, manufacturing	46	1,934,414	2,721,646	7,378,283
Cookie and cracker manufacturing	5	321,373	396,973	1,621,347
Dry pasta, mixes, and dough manufacturing	<1	44,349	74,375	384,678
Tortilla manufacturing	2	122,212	145,687	613,682
Roasted nuts and peanut butter manufacturing	2	138,850	194,222	930,567
Other snack food manufacturing	4	309,099	530,146	2,517,882
Coffee and tea manufacturing	2	87,844	127,605	996,672
Flavoring syrup and concentrate manufacturing	1	103,522	465,506	1,635,529
Mayonnaise, dressing, and sauce manufacturing	1	109,853	162,845	837,723
Spice and extract manufacturing	3	189,994	255,403	1,479,941
All other food manufacturing	8	485,359	598,088	3,215,680
Bottled and canned soft drinks & water	13	1,052,965	1,479,648	8,223,539
Manufactured ice	<1	46,979	26,718	136,477
Breweries	10	640,659	970,497	3,138,881
Wineries	2	132,169	178,429	628,785
Distilleries	3	617,972	1,298,590	2,782,346
Tobacco product manufacturing	4	546,296	7,044,221	12,754,453
Fiber, yarn, and thread mills	<1	3,549	4,670	28,496
Broadwoven fabric mills	<1	22,492	31,076	124,926
Narrow fabric mills and schiffli machine embroidery	<1	6,471	7,223	28,130
Nonwoven fabric mills	<1	42,114	64,056	331,255
Knit fabric mills	<1	243	311	1,219
Textile and fabric finishing mills	1	48,489	62,714	289,054
Fabric coating mills	<1	1,700	2,161	15,054
Carpet and rug mills	<1	48,694	71,613	287,413
Curtain and linen mills	1	58,364	74,656	295,344
Textile bag and canvas mills	4	196,095	261,285	830,748
Rope, cordage, twine, tire cord and tire fabric mills	<1	24,482	37,131	104,624

## Appendix

Other textile product mills	3	139,074	166,474	484,731
Hosiery and sock mills	<1	10,446	17,898	38,978
Other apparel knitting mills	<1	13,506	23,291	53,048
Cut and sew apparel contractors	2	67,261	73,258	165,666
Men's and boys' cut and sew apparel manufacturing	3	91,838	83,025	254,817
Women's and girls' cut and sew apparel manufacturing	2	82,026	39,684	356,201
Other cut and sew apparel manufacturing	1	44,448	38,568	145,575
Apparel accessories and other apparel manufacturing	2	54,445	47,679	185,782
Leather and hide tanning and finishing	<1	7,319	4,721	27,958
Footwear manufacturing	<1	14,020	13,462	48,932
Other leather and allied product manufacturing	<1	52,172	48,350	154,877
Sawmills	9	572,083	1,071,414	4,323,696
Wood preservation	1	83,010	252,048	1,094,148
Veneer and plywood manufacturing	2	144,328	237,657	724,690
Engineered wood member and truss manufacturing	7	513,736	887,509	2,883,299
Reconstituted wood product manufacturing	1	239,464	767,450	1,716,934
Wood windows and door manufacturing	5	403,163	563,904	1,535,676
Cut stock, resawing lumber, and planing	<1	26,283	55,280	195,338
Other millwork, including flooring	4	269,602	455,696	1,326,334
Wood container and pallet manufacturing	4	236,273	334,029	938,288
Manufactured home (mobile home) manufacturing	<1	1,766	2,597	8,122
Prefabricated wood building manufacturing	<1	52,432	92,372	250,830
All other miscellaneous wood product manufacturing	3	173,456	245,162	769,201
Pulp mills	<1	18,439	28,195	103,632
Paper mills	5	607,100	1,372,370	4,512,030
Paperboard mills	3	400,487	852,231	2,959,153
Paperboard container manufacturing	12	1,153,246	1,804,667	7,355,204
Paper bag and coated and treated paper manufacturing	1	150,144	240,749	726,906
Stationery product manufacturing	<1	69,997	91,355	354,282

## Appendix

Sanitary paper product manufacturing	5	584,679	1,832,336	5,305,768
All other converted paper product manufacturing	<1	74,570	130,844	422,447
Printing	70	4,348,482	6,957,629	14,065,729
Support activities for printing	4	266,591	431,996	670,527
Petroleum refineries	<1	141,217	1,447,948	9,405,187
Asphalt paving mixture and block manufacturing	1	156,470	251,244	1,157,507
Asphalt shingle and coating materials manufacturing	<1	178,027	740,534	1,603,966
Petroleum lubricating oil and grease manufacturing	106	19,575,131	56,284,898	146,122,428
All other petroleum and coal products manufacturing	<1	4,926	17,818	46,965
Petrochemical manufacturing	<1	71,052	941,203	2,967,301
Industrial gas manufacturing	3	539,085	1,496,275	3,679,519
Synthetic dye and pigment manufacturing	<1	15,374	30,720	86,824
Other basic inorganic chemical manufacturing	2	343,479	756,907	2,167,311
Other basic organic chemical manufacturing	3	345,354	869,492	6,067,301
Plastics material and resin manufacturing	2	262,224	478,680	3,265,661
Synthetic rubber manufacturing	1	233,504	333,947	1,330,494
Artificial and synthetic fibers and filaments manufacturing	3	271,911	398,426	1,641,068
Nitrogenous fertilizer manufacturing	<1	92,999	335,939	1,463,863
Phosphatic fertilizer manufacturing	2	283,474	774,190	2,271,123
Fertilizer mixing	<1	89,117	181,212	513,838
Pesticide and other agricultural chemical manufacturing	<1	107,689	373,351	1,611,014
Medicinal and botanical manufacturing	2	203,919	327,278	1,196,293
Pharmaceutical preparation manufacturing	15	1,748,121	4,616,275	13,367,804
In-vitro diagnostic substance manufacturing	<1	68,913	99,605	246,343
Biological product (except diagnostic) manufacturing	<1	51,378	146,183	296,959
Paint and coating manufacturing	4	702,700	1,388,393	3,882,334
Adhesive manufacturing	<1	88,526	143,108	562,174
Soap and other detergent manufacturing	3	285,517	751,310	2,908,619
Polish and other sanitation good manufacturing	2	256,682	415,468	1,238,067

## Appendix

Surface active agent manufacturing	<1	51,013	195,714	492,390
Toilet preparation manufacturing	6	570,924	1,689,417	4,404,096
Printing ink manufacturing	<1	45,940	50,510	188,317
Explosives manufacturing	<1	60,786	69,053	190,120
Custom compounding of purchased resins	2	209,403	410,653	1,267,480
Photographic film and chemical manufacturing	<1	37,679	80,465	268,000
Other miscellaneous chemical product manufacturing	3	323,024	517,151	2,152,568
Plastics packaging materials and unlaminated film and sheet manufacturing	3	252,715	400,657	1,680,112
Unlaminated plastics profile shape manufacturing	3	269,949	579,300	1,885,684
Plastics pipe and pipe fitting manufacturing	3	197,556	535,275	2,038,711
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	35,152	57,874	219,066
Polystyrene foam product manufacturing	5	360,252	626,923	2,447,041
Urethane and other foam product (except polystyrene) manufacturing	2	151,597	253,485	1,029,485
Plastics bottle manufacturing	6	428,271	652,310	2,799,619
Other plastics product manufacturing	24	1,546,387	2,276,201	8,099,228
Tire manufacturing	3	223,572	288,469	1,283,121
Rubber and plastics hoses and belting manufacturing	<1	45,281	70,672	228,061
Other rubber product manufacturing	7	513,465	645,376	2,197,153
Pottery, ceramics, and plumbing fixture manufacturing	<1	16,932	27,720	62,881
Brick, tile, and other structural clay product manufacturing	<1	63,622	110,577	223,207
Flat glass manufacturing	2	133,761	278,465	778,125
Other pressed and blown glass and glassware manufacturing	<1	62,265	108,177	306,560
Glass container manufacturing	<1	81,636	135,505	323,965
Glass product manufacturing made of purchased glass	6	389,122	733,596	1,861,420
Cement manufacturing	2	234,586	567,126	1,491,753
Ready-mix concrete manufacturing	10	971,927	1,653,209	4,998,404
Concrete block and brick manufacturing	5	423,089	789,444	1,898,891
Concrete pipe manufacturing	3	295,971	505,503	1,244,293



## Appendix

Other concrete product manufacturing	11	860,264	1,308,600	3,191,535
Lime manufacturing	<1	17,676	39,747	104,183
Gypsum product manufacturing	5	543,181	1,634,170	4,060,235
Abrasive product manufacturing	<1	14,083	31,437	42,761
Cut stone and stone product manufacturing	2	164,899	219,249	486,111
Ground or treated mineral and earth manufacturing	<1	97,999	233,686	472,871
Mineral wool manufacturing	<1	67,137	187,064	406,275
Miscellaneous nonmetallic mineral products manufacturing	2	208,750	506,267	1,052,623
Iron and steel mills and ferroalloy manufacturing	3	352,611	1,939,936	6,794,164
Iron, steel pipe and tube manufacturing from purchased steel	<1	40,583	194,492	522,753
Rolled steel shape manufacturing	<1	32,820	290,304	768,563
Steel wire drawing	<1	19,783	83,315	189,046
Alumina refining and primary aluminum production	<1	851	2,567	11,813
Secondary smelting and alloying of aluminum	<1	30,777	125,654	851,183
Aluminum sheet, plate, and foil manufacturing	<1	32,509	144,490	441,153
Other aluminum rolling, drawing and extruding	1	83,186	204,687	758,588
Nonferrous metal (exc aluminum) smelting and refining	<1	3,518	62,486	134,234
Copper rolling, drawing, extruding and alloying	<1	25,596	107,917	616,705
Nonferrous metal, except copper and aluminum, shaping	<1	22,513	39,207	160,072
Secondary processing of other nonferrous metals	<1	10,397	45,284	143,963
Ferrous metal foundries	4	253,254	837,993	1,577,125
Nonferrous metal foundries	1	82,918	180,164	406,062
Custom roll forming	<1	23,055	32,523	137,431
Crown and closure manufacturing and metal stamping	3	224,013	289,523	930,529
Iron and steel forging	<1	24,200	33,071	138,462
Nonferrous forging	<1	17,003	21,572	70,988
Cutlery, utensil, pot, and pan manufacturing	<1	21,316	44,873	167,138
Handtool manufacturing	1	125,461	198,030	454,874
Prefabricated metal buildings and components manufacturing	6	429,477	632,776	2,520,038

## Appendix

Fabricated structural metal manufacturing	17	1,429,315	2,123,386	7,733,086
Plate work manufacturing	3	210,175	239,822	810,294
Metal window and door manufacturing	13	847,371	1,171,210	3,813,901
Sheet metal work manufacturing	6	390,048	527,582	1,662,791
Ornamental and architectural metal work manufacturing	8	504,618	613,359	1,929,628
Power boiler and heat exchanger manufacturing	<1	5,373	7,394	26,931
Metal tank (heavy gauge) manufacturing	1	100,062	122,901	416,940
Metal cans manufacturing	3	375,500	693,289	3,288,912
Metal barrels, drums and pails manufacturing	1	89,512	117,219	552,140
Hardware manufacturing	2	131,991	193,827	716,320
Spring and wire product manufacturing	3	196,683	256,800	865,020
Machine shops	17	1,161,658	1,369,839	3,170,376
Turned product and screw, nut, and bolt manufacturing	2	147,901	188,718	605,571
Metal heat treating	<1	76,277	99,190	257,975
Metal coating and nonprecious engraving	5	329,852	567,001	1,746,024
Electroplating, anodizing, and coloring metal	4	240,074	262,195	665,957
Valve and fittings, other than plumbing, manufacturing	4	310,869	459,968	1,453,037
Plumbing fixture fitting and trim manufacturing	<1	48,378	110,126	421,841
Ball and roller bearing manufacturing	<1	27,864	44,138	120,354
Small arms ammunition manufacturing	2	138,296	311,304	930,953
Ammunition, except for small arms, manufacturing	<1	795	899	2,151
Small arms, ordnance, and accessories manufacturing	2	227,339	469,792	1,338,964
Fabricated pipe and pipe fitting manufacturing	<1	42,518	53,019	159,097
Other fabricated metal manufacturing	9	684,019	899,382	2,767,077
Farm machinery and equipment manufacturing	<1	7,656	16,788	74,168
Lawn and garden equipment manufacturing	<1	7,595	15,272	67,254
Construction machinery manufacturing	<1	10,577	27,163	84,144
Mining machinery and equipment manufacturing	<1	5,902	9,482	25,903

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	467	642	2,090
Semiconductor machinery manufacturing	<1	1,063	1,386	6,037
Food product machinery manufacturing	<1	1,315	1,574	4,339
Sawmill, woodworking, and paper machinery	<1	2,527	2,978	8,808
Printing machinery and equipment manufacturing	<1	1,478	1,695	5,603
All other industrial machinery manufacturing	<1	37,710	53,147	146,383
Optical instrument and lens manufacturing	<1	72,518	118,254	269,985
Photographic and photocopying equipment manufacturing	<1	11,122	14,536	40,933
Other commercial service industry machinery manufacturing	3	312,634	573,868	1,520,091
Air purification and ventilation equipment manufacturing	<1	64,441	90,775	245,066
Heating equipment (except warm air furnaces) manufacturing	1	73,090	130,409	375,323
Air conditioning, refrigeration, and warm air heating equipment manufacturing	4	287,262	565,037	1,734,086
Industrial mold manufacturing	<1	27,554	35,430	78,715
Special tool, die, jig, and fixture manufacturing	<1	4,659	6,762	13,448
Cutting tool and machine tool accessory manufacturing	<1	25,914	31,801	78,659
Machine tool manufacturing	<1	8,535	11,808	37,727
Rolling mill and other metalworking machinery manufacturing	<1	2,733	3,993	9,178
Turbine and turbine generator set units manufacturing	<1	5,612	6,388	22,093
Speed changer, industrial high-speed drive, and gear manufacturing	1	74,667	118,288	343,516
Mechanical power transmission equipment manufacturing	<1	30,812	49,046	104,625
Other engine equipment manufacturing	1	145,792	374,740	1,602,648
Pump and pumping equipment manufacturing	<1	28,238	55,032	159,044
Air and gas compressor manufacturing	<1	20,412	31,396	87,239
Elevator and moving stairway manufacturing	<1	4,015	5,656	21,254

## Appendix

Conveyor and conveying equipment manufacturing	<1	3,284	3,874	11,906
Overhead cranes, hoists, and monorail systems manufacturing	<1	31,442	63,825	200,049
Industrial truck, trailer, and stacker manufacturing	<1	17,953	34,024	104,924
Power-driven handtool manufacturing	<1	1,327	4,484	10,472
Welding and soldering equipment manufacturing	<1	21,902	37,931	147,875
Packaging machinery manufacturing	<1	20,002	33,243	82,793
Industrial process furnace and oven manufacturing	<1	331	431	1,053
Fluid power cylinder and actuator manufacturing	<1	13,911	21,566	58,142
Fluid power pump and motor manufacturing	<1	15,316	28,794	101,128
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	18,765	24,768	76,174
Electronic computer manufacturing	<1	28,726	38,486	206,067
Computer storage device manufacturing	<1	3,035	4,110	16,343
Computer terminals and other computer peripheral equipment manufacturing	2	261,913	355,711	1,115,904
Telephone apparatus manufacturing	<1	16,998	25,358	96,465
Broadcast and wireless communications equipment manufacturing	<1	30,421	36,910	106,199
Other communications equipment manufacturing	1	147,706	210,658	519,741
Audio and video equipment manufacturing	<1	28,589	43,757	335,144
Printed circuit assembly (electronic assembly) manufacturing	2	142,647	198,959	991,611
Bare printed circuit board manufacturing	4	538,933	619,386	1,231,028
Semiconductor and related device manufacturing	7	779,199	1,108,162	4,578,857
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	77,433	91,594	297,951
Electronic connector manufacturing	4	386,236	467,195	1,470,172
Other electronic component manufacturing	2	149,969	174,045	561,314

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	23,322	31,884	90,004
Search, detection, and navigation instruments manufacturing	<1	66,932	99,075	277,758
Automatic environmental control manufacturing	<1	142,838	174,087	409,492
Industrial process variable instruments manufacturing	1	134,116	180,003	437,956
Totalizing fluid meter and counting device manufacturing	<1	14,934	24,933	76,661
Electricity and signal testing instruments manufacturing	<1	38,659	45,134	134,846
Analytical laboratory instrument manufacturing	10	1,117,595	1,602,267	4,485,011
Irradiation apparatus manufacturing	<1	1,005	1,490	5,194
Watch, clock, and other measuring and controlling device manufacturing	<1	21,472	27,377	100,605
Blank magnetic and optical recording media manufacturing	<1	46,632	120,864	527,621
Software and other prerecorded and record reproducing	2	213,496	276,894	674,304
Electric lamp bulb and part manufacturing	<1	17,715	28,531	77,418
Lighting fixture manufacturing	4	300,260	396,596	1,485,932
Small electrical appliance manufacturing	<1	23,587	50,094	175,166
Household cooking appliance manufacturing	<1	8,766	20,445	54,895
Household refrigerator and home freezer manufacturing	<1	10,209	22,149	57,867
Household laundry equipment manufacturing	<1	29,886	48,944	159,119
Other major household appliance manufacturing	<1	4,427	10,895	25,728
Power, distribution, and specialty transformer manufacturing	<1	19,020	26,296	74,567
Motor and generator manufacturing	<1	36,471	66,484	255,084
Switchgear and switchboard apparatus manufacturing	2	169,098	298,322	878,972
Relay and industrial control manufacturing	1	99,022	132,501	389,436
Storage battery manufacturing	2	182,384	289,934	857,934
Primary battery manufacturing	<1	42,027	207,027	248,643
Fiber optic cable manufacturing	2	152,660	228,040	1,089,078

## Appendix

Other communication and energy wire manufacturing	<1	104,739	182,966	705,042
Wiring device manufacturing	2	128,327	255,894	771,862
Carbon and graphite product manufacturing	<1	36,890	55,628	182,929
All other miscellaneous electrical equipment and component manufacturing	<1	68,947	80,460	260,738
Automobile manufacturing	<1	11,349	29,655	183,768
Light truck and utility vehicle manufacturing	<1	2,200	5,743	51,419
Heavy duty truck manufacturing	<1	12,203	22,197	152,454
Motor vehicle body manufacturing	<1	15,544	19,298	72,996
Truck trailer manufacturing	<1	1,062	1,290	6,621
Motor home manufacturing	1	112,092	175,231	788,421
Travel trailer and camper manufacturing	5	416,847	484,131	2,439,807
Motor vehicle gasoline engine and engine parts manufacturing	1	88,588	128,999	790,839
Motor vehicle electrical and electronic equipment manufacturing	1	121,993	169,961	730,563
Motor vehicle transmission and power train parts manufacturing	1	109,866	148,417	835,125
Motor vehicle seating and interior trim manufacturing	<1	38,191	43,457	202,853
Motor vehicle metal stamping	2	109,452	131,679	665,081
Other motor vehicle parts manufacturing	6	527,167	669,533	3,136,428
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	3	285,594	387,026	1,734,667
Aircraft manufacturing	<1	23,892	42,420	114,088
Aircraft engine and engine parts manufacturing	<1	90,351	214,968	474,944
Other aircraft parts and auxiliary equipment manufacturing	4	432,545	614,856	1,232,933
Guided missile and space vehicle manufacturing	5	661,009	1,084,112	2,321,798
Propulsion units and parts for space vehicles and guided missiles manufacturing	1	146,504	214,521	381,861
Railroad rolling stock manufacturing	<1	4,626	5,124	17,004
Ship building and repairing	2	187,126	281,689	626,383
Boat building	18	1,302,062	1,989,047	6,333,450
Motorcycle, bicycle, and parts manufacturing	<1	37,558	128,870	311,821

## Appendix

Military armored vehicle, tank, and tank component manufacturing	2	172,235	383,156	1,073,841
All other transportation equipment manufacturing	2	117,975	251,289	932,567
Wood kitchen cabinet and countertop manufacturing	10	580,109	624,556	1,706,612
Upholstered household furniture manufacturing	3	146,814	158,132	568,202
Nonupholstered wood household furniture manufacturing	2	147,186	154,878	436,717
Other household nonupholstered furniture manufacturing	2	105,193	132,770	770,790
Institutional furniture manufacturing	1	116,874	120,649	316,758
Wood office furniture manufacturing	<1	3,636	3,906	11,759
Custom architectural woodwork and millwork	<1	18,933	11,363	45,459
Office furniture, except wood, manufacturing	<1	3,496	3,806	17,312
Showcase, partition, shelving, and locker manufacturing	<1	35,435	38,507	140,689
Mattress manufacturing	2	129,107	159,926	857,859
Blind and shade manufacturing	1	75,285	73,426	289,958
Surgical and medical instrument manufacturing	2	212,189	339,502	715,728
Surgical appliance and supplies manufacturing	5	444,183	891,330	2,086,999
Dental equipment and supplies manufacturing	<1	17,154	29,332	66,509
Ophthalmic goods manufacturing	5	567,601	1,117,199	1,937,914
Dental laboratories	5	345,135	395,881	712,357
Jewelry and silverware manufacturing	5	262,512	476,797	1,310,359
Sporting and athletic goods manufacturing	2	174,571	262,028	767,870
Doll, toy, and game manufacturing	<1	72,740	142,615	380,957
Office supplies (except paper) manufacturing	3	302,511	500,730	1,270,958
Sign manufacturing	3	213,814	203,951	533,649
Gasket, packing, and sealing device manufacturing	<1	17,161	19,755	48,486
Musical instrument manufacturing	<1	3,656	4,089	10,461
Fasteners, buttons, needles, and pins manufacturing	<1	53,216	61,927	146,871

## Appendix

Broom, brush, and mop manufacturing	<1	53,803	78,295	219,684
Burial casket manufacturing	<1	4,495	6,802	12,375
All other miscellaneous manufacturing	7	480,868	698,462	1,952,866
Wholesale - Motor vehicle and motor vehicle parts and supplies	29	2,612,396	5,739,378	12,750,530
Wholesale - Professional and commercial equipment and supplies	88	11,739,255	18,470,806	32,257,262
Wholesale - Household appliances and electrical and electronic goods	43	5,151,080	12,512,065	26,939,895
Wholesale - Machinery, equipment, and supplies	57	5,806,080	11,030,298	20,062,692
Wholesale - Other durable goods merchant wholesalers	118	11,362,811	20,968,471	42,631,373
Wholesale - Drugs and druggists'sundries	38	6,143,037	14,518,683	32,685,027
Wholesale - Grocery and related product wholesalers	84	7,561,055	11,280,927	22,373,525
Wholesale - Petroleum and petroleum products	19	2,254,393	33,435,699	39,573,519
Wholesale - Other nondurable goods merchant wholesalers	136	13,428,908	31,094,725	57,161,643
Wholesale - Wholesale electronic markets and agents and brokers	60	7,303,195	8,290,319	9,924,868
Retail - Motor vehicle and parts dealers	103	9,013,374	12,958,325	17,587,646
Retail - Furniture and home furnishings stores	75	4,293,137	5,961,669	9,598,771
Retail - Electronics and appliance stores	71	4,420,755	4,393,344	7,200,668
Retail - Building material and garden equipment and supplies stores	121	5,976,486	12,740,923	17,920,411
Retail - Food and beverage stores	363	12,745,251	19,741,454	32,655,742
Retail - Health and personal care stores	152	7,616,492	10,186,791	15,252,584
Retail - Gasoline stores	139	5,089,093	12,276,057	22,961,652
Retail - Clothing and clothing accessories stores	156	5,690,161	10,256,010	20,224,803
Retail - Sporting goods, hobby, musical instrument and book stores	97	3,434,614	4,781,164	7,742,900
Retail - General merchandise stores	290	10,889,955	18,658,904	30,444,871
Retail - Miscellaneous store retailers	221	7,891,577	8,435,016	13,433,168
Retail - Nonstore retailers	257	6,596,378	39,395,307	62,283,343
Air transportation	407	49,836,477	99,338,934	203,945,659



## Appendix

Rail transportation	99	14,057,754	28,442,654	60,051,002
Water transportation	48	5,571,187	13,997,645	42,220,767
Truck transportation	1,630	96,340,166	150,340,649	349,191,331
Transit and ground passenger transportation	359	2,714,229	4,725,604	10,746,660
Pipeline transportation	35	19,488,058	26,653,391	42,636,188
Scenic and sightseeing transportation and support activities for transportation	482	36,288,441	32,819,387	52,044,843
Couriers and messengers	477	11,031,456	27,132,639	32,845,172
Warehousing and storage	278	13,602,371	14,686,209	28,733,935
Newspaper publishers	15	1,391,508	1,986,222	2,926,717
Periodical publishers	7	748,653	943,874	1,729,571
Book publishers	6	671,525	1,382,897	3,108,555
Directory, mailing list, and other publishers	6	777,370	1,496,522	2,709,066
Greeting card publishing	<1	17,967	45,729	90,879
Software publishers	243	48,438,968	81,745,342	109,320,128
Motion picture and video industries	40	2,882,116	4,009,670	10,909,424
Sound recording industries	6	539,062	2,491,841	4,725,554
Radio and television broadcasting	41	10,880,257	14,265,245	29,793,597
Cable and other subscription programming	10	2,507,845	10,774,182	24,902,319
Wired telecommunications carriers	77	7,439,151	16,397,924	33,349,710
Wireless telecommunications carriers (except satellite)	15	1,557,715	12,006,452	31,453,129
Satellite, telecommunications resellers, and all other telecommunications	18	2,112,791	2,615,440	6,628,292
Data processing, hosting, and related services	108	14,176,181	27,848,494	74,728,791
News syndicates, libraries, archives and all other information services	9	917,943	1,364,306	3,029,261
Internet publishing and broadcasting and web search portals	36	4,786,771	11,705,617	48,770,906
Nondepository credit intermediation and related activities	160	18,375,214	19,388,708	30,340,922
Securities and commodity contracts intermediation and brokerage	444	31,810,257	24,375,310	53,465,690
Monetary authorities and depository credit intermediation	326	36,503,330	48,370,422	107,234,606

## Appendix

Other financial investment activities	307	19,376,830	21,465,667	57,184,096
Direct life insurance carriers	44	4,748,280	9,265,593	13,933,883
Insurance carriers, except direct life	236	21,875,324	65,898,449	148,622,667
Insurance agencies, brokerages, and related activities	305	26,727,301	42,055,789	100,488,101
Funds, trusts, and other financial vehicles	125	4,091,979	3,805,326	25,354,596
Other real estate	1,714	23,796,077	117,197,086	331,186,667
Tenant-occupied housing	123	1,586,887	49,214,181	52,353,930
Owner-occupied dwellings	0	0	213,582,823	257,759,097
Automotive equipment rental and leasing	49	3,533,206	12,341,305	15,945,246
General and consumer goods rental except video tapes and discs	55	3,333,079	6,163,149	9,174,766
Video tape and disc rental	12	682,327	1,154,401	1,895,408
Commercial and industrial machinery and equipment rental and leasing	86	8,000,067	23,273,085	30,040,925
Lessors of nonfinancial intangible assets	7	1,144,758	16,661,489	17,525,046
Legal services	497	50,121,239	76,754,268	109,470,103
Accounting, tax preparation, bookkeeping, and payroll services	297	25,177,462	33,102,097	51,279,767
Architectural, engineering, and related services	372	31,279,401	34,774,455	65,135,369
Specialized design services	34	2,351,785	4,202,387	7,779,243
Custom computer programming services	242	24,513,853	25,029,995	35,532,537
Computer systems design services	114	11,896,398	11,205,926	14,607,163
Other computer related services, including facilities management	79	8,577,438	11,189,951	21,239,253
Management consulting services	804	74,621,970	77,145,468	128,020,380
Environmental and other technical consulting services	86	7,204,041	8,109,533	13,548,983
Scientific research and development services	4,943	493,322,390	628,201,629	1,227,946,385
Advertising, public relations, and related services	177	14,385,739	23,468,315	49,741,564
Photographic services	13	567,586	1,517,871	3,425,027
Veterinary services	44	2,440,243	2,788,547	4,373,793
Marketing research and all other miscellaneous professional, scientific, and technical services	572	52,641,938	101,738,314	197,144,812
Management of companies and enterprises	681	89,980,336	96,621,174	160,606,305

## Appendix

Office administrative services	277	19,004,933	7,625,630	21,609,587
Facilities support services	480	31,401,007	41,932,490	92,599,775
Employment services	1,562	76,062,911	105,020,774	180,383,448
Business support services	241	11,907,433	10,260,610	19,311,106
Travel arrangement and reservation services	77	4,167,989	6,622,931	23,118,895
Investigation and security services	251	10,436,550	10,556,332	15,840,573
Services to buildings	405	14,327,355	19,901,261	43,649,606
Landscape and horticultural services	180	7,181,362	8,707,193	18,014,823
Other support services	66	3,369,539	4,298,411	9,404,112
Waste management and remediation services	58	4,479,224	7,362,619	15,737,191
Elementary and secondary schools	121	5,833,503	5,143,857	6,256,871
Junior colleges, colleges, universities, and professional schools	126	6,038,138	7,917,917	10,848,149
Other educational services	108	5,560,609	6,178,345	11,512,515
Offices of physicians	557	53,169,529	53,377,092	81,036,395
Offices of dentists	131	8,850,085	10,908,249	14,917,781
Offices of other health practitioners	140	7,800,588	12,584,384	16,058,128
Outpatient care centers	135	8,603,236	8,494,882	14,410,758
Medical and diagnostic laboratories	54	4,001,340	6,975,036	9,678,360
Home health care services	195	10,057,118	9,996,680	12,900,268
Other ambulatory health care services	48	3,299,256	4,000,304	6,071,771
Hospitals	646	58,154,421	68,683,071	128,939,026
Nursing and community care facilities	183	8,752,992	9,501,526	15,891,812
Residential mental retardation, mental health, substance abuse and other facilities	61	3,314,333	3,394,694	5,032,083
Individual and family services	195	7,357,635	6,311,702	8,728,485
Child day care services	129	4,142,702	5,632,509	7,733,324
Community food, housing, and other relief services, including rehabilitation services	43	1,680,666	1,560,912	3,518,103
Performing arts companies	38	1,304,760	2,762,622	4,507,048
Commercial Sports Except Racing	142	6,647,508	4,949,529	8,468,092
Racing and Track Operation	10	346,465	988,364	1,499,174
Independent artists, writers, and performers	40	1,539,244	6,074,716	7,808,855

## Appendix

Promoters of performing arts and sports and agents for public figures	57	1,755,526	5,944,609	10,691,263
Museums, historical sites, zoos, and parks	7	330,150	412,600	715,935
Amusement parks and arcades	17	769,441	1,019,268	1,241,639
Gambling industries (except casino hotels)	59	2,772,158	7,903,543	10,524,352
Other amusement and recreation industries	88	3,498,668	3,663,965	4,896,879
Fitness and recreational sports centers	55	1,498,162	1,721,366	2,789,858
Bowling centers	8	275,060	432,497	632,790
Hotels and motels, including casino hotels	360	16,823,478	38,150,490	53,551,376
Other accommodations	54	2,528,220	3,214,565	4,167,173
Full-service restaurants	779	29,307,252	42,998,428	77,779,805
Limited-service restaurants	585	16,572,489	25,834,295	59,413,680
All other food and drinking places	453	16,877,949	27,109,896	41,113,950
Automotive repair and maintenance, except car washes	317	18,730,052	22,970,239	33,077,153
Car washes	97	6,952,593	10,109,562	14,503,291
Electronic and precision equipment repair and maintenance	164	11,412,194	14,754,354	24,714,247
Commercial and industrial machinery and equipment repair and maintenance	247	17,770,428	20,466,808	32,375,949
Personal and household goods repair and maintenance	59	2,792,504	5,860,605	8,339,610
Personal care services	273	7,131,150	4,726,658	6,025,133
Death care services	39	1,112,384	836,146	1,222,540
Dry-cleaning and laundry services	113	3,120,405	2,185,953	2,965,946
Other personal services	217	6,043,121	7,761,367	11,658,782
Religious organizations	66	4,154,382	2,141,975	6,090,652
Grantmaking, giving, and social advocacy organizations	20	1,354,520	4,177,988	5,902,572
Business and professional associations	28	2,664,943	4,357,178	7,062,692
Labor and civic organizations	37	1,711,924	5,012,143	7,629,717
Private households	130	3,131,517	3,131,517	3,131,517
Postal service	97	9,742,329	9,779,683	9,783,317
Federal electric utilities	0	0	0	0
Other federal government enterprises	6	328,766	492,990	1,411,697
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	27,742	42,998	64,779
Local government passenger transit	7	610,445	229,192	425,571
Local government electric utilities	9	1,204,886	4,138,158	7,602,109
Other local government enterprises	52	4,844,170	9,123,133	22,847,319
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,215	400,214,563	564,603,067	1,025,262,358

## Moon to Mars Campaign

**Table 653: Detailed M2M Campaign Impacts by Types of Impact, Florida**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>13,123</i>	<i>1,053,806,274</i>	<i>1,633,332,909</i>	<i>3,020,651,940</i>
Oilseed farming	<1	2,847	43,628	57,436
Grain farming	1	47,056	243,090	393,705
Vegetable and melon farming	8	309,694	796,588	1,337,105
Fruit farming	7	244,480	614,674	851,930
Tree nut farming	<1	1,967	5,332	7,812
Greenhouse, nursery, and floriculture production	8	351,267	704,690	1,016,916
Tobacco farming	<1	14,323	20,017	29,545

## Appendix

Cotton farming	<1	6,145	10,457	13,676
Sugarcane and sugar beet farming	2	127,280	250,423	376,679
All other crop farming	17	207,732	403,320	621,798
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	6	64,449	508,883	1,123,313
Dairy cattle and milk production	2	86,248	284,071	1,121,841
Poultry and egg production	1	53,320	120,001	770,195
Animal production, except cattle and poultry and eggs	10	264,827	1,541,847	1,692,930
Forestry, forest products, and timber tract production	<1	62,654	76,065	100,024
Commercial logging	2	130,485	185,281	266,629
Commercial fishing	3	31,354	353,419	353,683
Commercial hunting and trapping	<1	6,783	58,647	67,558
Support activities for agriculture and forestry	26	1,227,440	1,285,429	1,419,327
Oil and gas extraction	5	4,037	35,334	4,511,427
Coal mining	<1	2,312	8,531	16,249
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	349	1,266	3,852
Silver ore mining	<1	65	170	532
Uranium-radium-vanadium ore mining	<1	38,231	123,027	233,959
Other metal ore mining	<1	16,307	37,905	76,745
Stone mining and quarrying	<1	68,330	265,458	421,896
Sand and gravel mining	<1	47,027	93,636	167,760
Other clay, ceramic, refractory minerals mining	<1	14,231	29,328	50,170
Potash, soda, and borate mineral mining	<1	9,036	14,980	29,251
Phosphate rock mining	<1	4,265	8,896	17,188
Other chemical and fertilizer mineral mining	<1	8,315	14,255	28,278
Other nonmetallic minerals	<1	36,013	71,612	139,035
Drilling oil and gas wells	<1	18	42	329
Support activities for oil and gas operations	<1	131	188	1,308
Metal mining services	<1	586	-3,691	127,533
Other nonmetallic minerals services	<1	43	96	4,093
Electric power generation - Hydroelectric	<1	9,910	26,747	40,160

## Appendix

Electric power generation - Fossil fuel	6	1,531,469	6,593,759	12,266,308
Electric power generation - Nuclear	2	556,005	1,290,832	2,085,227
Electric power generation - Solar	<1	151,728	457,818	739,489
Electric power generation - Wind	<1	28,115	249,511	322,563
Electric power generation - Geothermal	<1	5,663	14,511	22,949
Electric power generation - Biomass	<1	42,243	158,156	336,438
Electric power generation - All other	<1	168,297	93,755	185,183
Electric power transmission and distribution	14	3,349,870	14,098,219	26,152,150
Natural gas distribution	2	427,163	1,932,345	3,192,687
Water, sewage and other systems	2	308,344	744,234	1,137,400
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	83	5,342,589	5,513,892	11,995,248
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	42	2,573,784	4,680,749	11,064,505
Maintenance and repair construction of residential structures	20	1,123,901	1,875,371	4,332,386
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,268	2,291	5,449
Dog and cat food manufacturing	<1	19,243	38,303	262,088
Other animal food manufacturing	2	142,923	284,598	2,216,801
Flour milling	<1	41,592	68,255	491,799

## Appendix

Rice milling	<1	2,179	3,154	28,533
Malt manufacturing	<1	2,717	3,667	18,423
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,949	7,787	176,214
Fats and oils refining and blending	<1	10,647	21,715	312,099
Breakfast cereal manufacturing	<1	1,142	2,025	21,457
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	59,926	124,872	693,686
Nonchocolate confectionery manufacturing	<1	25,326	31,575	237,004
Chocolate and confectionery manufacturing from cacao beans	<1	8,772	11,377	68,494
Confectionery manufacturing from purchased chocolate	<1	18,713	23,862	155,463
Frozen fruits, juices and vegetables manufacturing	3	197,772	325,808	1,416,181
Frozen specialties manufacturing	1	56,088	67,037	400,365
Canned fruits and vegetables manufacturing	2	212,638	325,659	1,403,832
Canned specialties	<1	1,840	3,206	22,117
Dehydrated food products manufacturing	<1	7,325	10,716	61,723
Cheese manufacturing	<1	6,638	8,000	83,491
Dry, condensed, and evaporated dairy product manufacturing	<1	1,876	3,304	41,329
Fluid milk manufacturing	2	134,196	181,244	1,486,830
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	32,205	40,364	273,497
Frozen cakes and other pastries manufacturing	8	297,169	463,253	889,161
Poultry processing	2	98,717	116,255	655,823
Animal, except poultry, slaughtering	<1	60,561	86,005	579,773
Meat processed from carcasses	2	154,568	180,644	1,367,120
Rendering and meat byproduct processing	<1	42,417	54,289	273,181
Seafood product preparation and packaging	2	129,616	154,126	1,032,232
Bread and bakery product, except frozen, manufacturing	17	718,978	1,019,679	2,756,532
Cookie and cracker manufacturing	2	137,514	176,432	676,885
Dry pasta, mixes, and dough manufacturing	<1	16,303	27,540	147,261
Tortilla manufacturing	<1	42,265	50,117	213,107



## Appendix

Roasted nuts and peanut butter manufacturing	<1	55,435	80,851	372,466
Other snack food manufacturing	2	115,128	199,162	933,947
Coffee and tea manufacturing	<1	28,327	41,985	327,390
Flavoring syrup and concentrate manufacturing	<1	49,705	230,195	787,622
Mayonnaise, dressing, and sauce manufacturing	<1	42,446	62,803	322,210
Spice and extract manufacturing	1	86,461	119,657	681,833
All other food manufacturing	3	190,375	236,120	1,278,876
Bottled and canned soft drinks & water	5	364,876	521,484	2,895,862
Manufactured ice	<1	17,539	10,199	49,423
Breweries	4	221,265	348,396	1,120,561
Wineries	<1	59,621	81,442	278,106
Distilleries	1	219,216	487,702	1,011,993
Tobacco product manufacturing	1	208,196	3,212,271	5,401,957
Fiber, yarn, and thread mills	<1	1,245	1,683	9,927
Broadwoven fabric mills	<1	7,400	10,605	40,860
Narrow fabric mills and schiffli machine embroidery	<1	2,270	2,567	9,777
Nonwoven fabric mills	<1	19,927	32,928	155,592
Knit fabric mills	<1	125	163	640
Textile and fabric finishing mills	<1	26,180	34,135	153,132
Fabric coating mills	<1	795	1,021	6,837
Carpet and rug mills	<1	16,459	25,232	93,768
Curtain and linen mills	<1	23,745	31,061	118,272
Textile bag and canvas mills	1	70,018	96,626	295,211
Rope, cordage, twine, tire cord and tire fabric mills	<1	6,630	10,814	28,604
Other textile product mills	1	54,177	66,414	186,964
Hosiery and sock mills	<1	4,045	7,100	14,463
Other apparel knitting mills	<1	5,147	9,162	19,590
Cut and sew apparel contractors	1	35,513	38,724	85,597
Men's and boys' cut and sew apparel manufacturing	1	45,520	41,761	121,805
Women's and girls' cut and sew apparel manufacturing	<1	37,402	18,886	155,334
Other cut and sew apparel manufacturing	<1	19,557	17,179	61,792
Apparel accessories and other apparel manufacturing	<1	24,328	21,764	79,036
Leather and hide tanning and finishing	<1	2,741	1,823	10,361
Footwear manufacturing	<1	5,713	5,515	19,303
Other leather and allied product manufacturing	<1	21,083	19,843	61,375

## Appendix

Sawmills	1	102,979	192,706	777,048
Wood preservation	<1	13,303	40,762	184,325
Veneer and plywood manufacturing	<1	34,182	56,293	173,198
Engineered wood member and truss manufacturing	2	148,484	253,230	824,524
Reconstituted wood product manufacturing	<1	58,511	187,479	412,877
Wood windows and door manufacturing	2	136,269	188,793	512,465
Cut stock, resawing lumber, and planing	<1	5,150	10,646	38,621
Other millwork, including flooring	1	89,461	148,692	431,406
Wood container and pallet manufacturing	1	75,524	106,313	298,501
Manufactured home (mobile home) manufacturing	<1	471	683	2,128
Prefabricated wood building manufacturing	<1	9,005	15,924	42,570
All other miscellaneous wood product manufacturing	<1	65,498	89,133	272,382
Pulp mills	<1	4,869	7,247	27,453
Paper mills	1	173,304	357,232	1,274,679
Paperboard mills	<1	114,701	233,643	845,226
Paperboard container manufacturing	4	352,871	561,994	2,343,816
Paper bag and coated and treated paper manufacturing	<1	56,127	87,761	267,671
Stationery product manufacturing	<1	22,622	29,089	109,775
Sanitary paper product manufacturing	2	202,106	611,797	1,842,483
All other converted paper product manufacturing	<1	28,764	49,954	165,006
Printing	26	1,666,246	2,724,334	5,349,853
Support activities for printing	2	107,051	175,285	267,935
Petroleum refineries	<1	20,212	243,790	1,435,238
Asphalt paving mixture and block manufacturing	<1	40,000	66,173	296,375
Asphalt shingle and coating materials manufacturing	<1	52,109	240,054	480,478
Petroleum lubricating oil and grease manufacturing	12	2,460,728	7,971,226	18,284,719
All other petroleum and coal products manufacturing	<1	1,175	4,277	10,824
Petrochemical manufacturing	<1	7,652	125,985	327,025
Industrial gas manufacturing	<1	158,448	514,015	1,206,469

## Appendix

Synthetic dye and pigment manufacturing	<1	6,016	12,659	36,094
Other basic inorganic chemical manufacturing	<1	78,482	184,628	506,678
Other basic organic chemical manufacturing	<1	97,312	256,784	1,756,210
Plastics material and resin manufacturing	<1	64,631	124,607	831,671
Synthetic rubber manufacturing	<1	72,296	104,578	418,561
Artificial and synthetic fibers and filaments manufacturing	<1	123,327	180,356	745,449
Nitrogenous fertilizer manufacturing	<1	37,527	145,919	556,838
Phosphatic fertilizer manufacturing	<1	99,403	280,760	808,727
Fertilizer mixing	<1	28,885	63,525	169,836
Pesticide and other agricultural chemical manufacturing	<1	37,354	137,424	585,298
Medicinal and botanical manufacturing	<1	108,271	177,865	603,267
Pharmaceutical preparation manufacturing	6	750,475	2,105,597	5,861,119
In-vitro diagnostic substance manufacturing	<1	40,891	58,379	145,486
Biological product (except diagnostic) manufacturing	<1	34,186	96,132	186,176
Paint and coating manufacturing	1	266,161	557,523	1,527,521
Adhesive manufacturing	<1	29,155	49,000	186,343
Soap and other detergent manufacturing	1	121,744	344,812	1,204,359
Polish and other sanitation good manufacturing	<1	111,750	191,261	544,827
Surface active agent manufacturing	<1	19,724	80,293	191,235
Toilet preparation manufacturing	2	241,972	755,397	1,910,543
Printing ink manufacturing	<1	21,783	23,517	88,278
Explosives manufacturing	<1	19,925	23,176	64,293
Custom compounding of purchased resins	<1	22,399	48,805	139,443
Photographic film and chemical manufacturing	<1	16,707	38,007	115,694
Other miscellaneous chemical product manufacturing	<1	100,501	168,283	692,031
Plastics packaging materials and unlaminated film and sheet manufacturing	1	95,202	152,263	627,090
Unlaminated plastics profile shape manufacturing	1	109,060	239,601	746,822
Plastics pipe and pipe fitting manufacturing	<1	61,278	168,920	638,116

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	14,997	25,001	94,983
Polystyrene foam product manufacturing	2	123,073	218,150	838,668
Urethane and other foam product (except polystyrene) manufacturing	<1	56,167	95,557	380,832
Plastics bottle manufacturing	2	129,314	198,873	844,096
Other plastics product manufacturing	7	498,605	751,235	2,597,463
Tire manufacturing	<1	69,304	92,406	402,252
Rubber and plastics hoses and belting manufacturing	<1	15,128	23,873	80,324
Other rubber product manufacturing	4	262,264	331,223	1,162,467
Pottery, ceramics, and plumbing fixture manufacturing	<1	5,396	8,881	19,728
Brick, tile, and other structural clay product manufacturing	<1	16,355	27,557	56,278
Flat glass manufacturing	<1	42,543	87,262	244,625
Other pressed and blown glass and glassware manufacturing	<1	30,362	52,966	147,342
Glass container manufacturing	<1	28,701	47,943	114,599
Glass product manufacturing made of purchased glass	2	152,936	281,319	723,365
Cement manufacturing	<1	69,276	160,283	433,465
Ready-mix concrete manufacturing	3	265,247	438,138	1,341,144
Concrete block and brick manufacturing	2	160,485	293,706	718,827
Concrete pipe manufacturing	<1	42,127	70,005	175,716
Other concrete product manufacturing	2	161,489	240,007	601,472
Lime manufacturing	<1	5,288	11,130	30,579
Gypsum product manufacturing	2	189,671	547,870	1,391,449
Abrasive product manufacturing	<1	5,417	11,676	16,074
Cut stone and stone product manufacturing	<1	55,387	72,800	161,781
Ground or treated mineral and earth manufacturing	<1	26,303	59,611	124,665
Mineral wool manufacturing	<1	21,858	57,054	124,141
Miscellaneous nonmetallic mineral products manufacturing	<1	42,584	96,849	201,120
Iron and steel mills and ferroalloy manufacturing	<1	95,396	542,392	1,861,685
Iron, steel pipe and tube manufacturing from purchased steel	<1	12,037	57,855	154,121

## Appendix

Rolled steel shape manufacturing	<1	8,454	77,880	207,721
Steel wire drawing	<1	5,461	23,099	52,718
Alumina refining and primary aluminum production	<1	324	982	4,590
Secondary smelting and alloying of aluminum	<1	10,210	41,492	278,420
Aluminum sheet, plate, and foil manufacturing	<1	8,916	40,635	124,386
Other aluminum rolling, drawing and extruding	<1	29,633	72,380	267,997
Nonferrous metal (exc aluminum) smelting and refining	<1	1,258	21,613	47,112
Copper rolling, drawing, extruding and alloying	<1	8,057	34,380	191,924
Nonferrous metal, except copper and aluminum, shaping	<1	9,005	15,653	63,855
Secondary processing of other nonferrous metals	<1	4,059	16,884	54,641
Ferrous metal foundries	<1	35,447	126,278	238,517
Nonferrous metal foundries	<1	31,482	68,741	154,437
Custom roll forming	<1	8,352	11,824	50,225
Crown and closure manufacturing and metal stamping	1	100,165	129,532	412,834
Iron and steel forging	<1	8,186	11,219	46,855
Nonferrous forging	<1	5,948	7,551	24,769
Cutlery, utensil, pot, and pan manufacturing	<1	8,310	16,845	61,983
Handtool manufacturing	<1	49,203	78,083	177,535
Prefabricated metal buildings and components manufacturing	1	81,527	114,600	474,363
Fabricated structural metal manufacturing	4	331,721	489,513	1,793,171
Plate work manufacturing	<1	59,443	68,057	227,854
Metal window and door manufacturing	5	314,861	434,916	1,397,979
Sheet metal work manufacturing	2	136,798	183,140	569,979
Ornamental and architectural metal work manufacturing	2	154,803	186,153	582,565
Power boiler and heat exchanger manufacturing	<1	1,338	1,835	6,719
Metal tank (heavy gauge) manufacturing	<1	30,707	37,677	123,950
Metal cans manufacturing	<1	97,014	177,207	815,821
Metal barrels, drums and pails manufacturing	<1	17,961	23,638	111,820
Hardware manufacturing	<1	42,704	61,783	226,613
Spring and wire product manufacturing	<1	60,052	78,120	262,824

## Appendix

Machine shops	6	386,980	455,456	1,049,502
Turned product and screw, nut, and bolt manufacturing	<1	45,014	57,256	182,934
Metal heat treating	<1	20,973	27,371	71,371
Metal coating and nonprecious engraving	1	80,080	137,627	423,150
Electroplating, anodizing, and coloring metal	1	71,901	78,562	199,578
Valve and fittings, other than plumbing, manufacturing	1	84,321	124,297	395,190
Plumbing fixture fitting and trim manufacturing	<1	16,605	36,537	145,469
Ball and roller bearing manufacturing	<1	13,729	21,695	58,809
Small arms ammunition manufacturing	<1	53,138	119,539	348,929
Ammunition, except for small arms, manufacturing	<1	267	302	710
Small arms, ordnance, and accessories manufacturing	<1	77,656	157,044	437,585
Fabricated pipe and pipe fitting manufacturing	<1	10,595	13,095	39,874
Other fabricated metal manufacturing	3	240,025	313,779	954,583
Farm machinery and equipment manufacturing	<1	3,633	8,449	35,254
Lawn and garden equipment manufacturing	<1	2,530	5,231	22,137
Construction machinery manufacturing	<1	1,515	4,473	11,704
Mining machinery and equipment manufacturing	<1	1,256	2,053	5,492
Oil and gas field machinery and equipment manufacturing	<1	83	115	377
Semiconductor machinery manufacturing	<1	482	627	2,711
Food product machinery manufacturing	<1	478	573	1,577
Sawmill, woodworking, and paper machinery	<1	1,235	1,459	4,185
Printing machinery and equipment manufacturing	<1	541	621	2,070
All other industrial machinery manufacturing	<1	36,125	48,950	126,116
Optical instrument and lens manufacturing	<1	24,450	39,431	89,269
Photographic and photocopying equipment manufacturing	<1	4,237	5,579	15,374
Other commercial service industry machinery manufacturing	1	110,350	206,418	533,363

## Appendix

Air purification and ventilation equipment manufacturing	<1	21,684	31,063	82,351
Heating equipment (except warm air furnaces) manufacturing	<1	27,870	50,548	138,425
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	100,127	198,269	595,646
Industrial mold manufacturing	<1	11,499	14,902	32,688
Special tool, die, jig, and fixture manufacturing	<1	1,813	2,636	5,195
Cutting tool and machine tool accessory manufacturing	<1	9,444	11,652	28,684
Machine tool manufacturing	<1	2,946	4,143	13,171
Rolling mill and other metalworking machinery manufacturing	<1	981	1,453	3,261
Turbine and turbine generator set units manufacturing	<1	2,010	2,293	7,790
Speed changer, industrial high-speed drive, and gear manufacturing	<1	51,512	80,156	225,093
Mechanical power transmission equipment manufacturing	<1	14,026	22,418	47,749
Other engine equipment manufacturing	<1	61,620	161,914	667,022
Pump and pumping equipment manufacturing	<1	9,215	18,143	51,909
Air and gas compressor manufacturing	<1	1,494	2,212	6,363
Elevator and moving stairway manufacturing	<1	1,175	1,661	6,299
Conveyor and conveying equipment manufacturing	<1	888	1,056	3,221
Overhead cranes, hoists, and monorail systems manufacturing	<1	4,288	9,259	27,709
Industrial truck, trailer, and stacker manufacturing	<1	5,588	10,721	32,589
Power-driven handtool manufacturing	<1	759	2,445	5,742
Welding and soldering equipment manufacturing	<1	20,607	34,284	115,857
Packaging machinery manufacturing	<1	7,769	12,936	31,869
Industrial process furnace and oven manufacturing	<1	128	165	403
Fluid power cylinder and actuator manufacturing	<1	4,728	7,415	19,881
Fluid power pump and motor manufacturing	<1	5,163	9,672	33,691

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	6,680	8,820	27,001
Electronic computer manufacturing	<1	11,523	15,620	79,236
Computer storage device manufacturing	<1	1,135	1,587	6,166
Computer terminals and other computer peripheral equipment manufacturing	<1	69,504	91,499	313,877
Telephone apparatus manufacturing	<1	5,912	8,956	33,453
Broadcast and wireless communications equipment manufacturing	<1	10,589	13,051	36,583
Other communications equipment manufacturing	<1	39,037	54,569	146,136
Audio and video equipment manufacturing	<1	14,221	22,109	156,862
Printed circuit assembly (electronic assembly) manufacturing	<1	48,084	66,853	334,896
Bare printed circuit board manufacturing	1	167,459	193,797	395,633
Semiconductor and related device manufacturing	2	213,527	302,054	1,272,544
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	21,567	25,567	87,393
Electronic connector manufacturing	2	196,555	239,377	751,908
Other electronic component manufacturing	<1	61,345	71,344	226,804
Electromedical and electrotherapeutic apparatus manufacturing	<1	9,951	14,009	38,381
Search, detection, and navigation instruments manufacturing	<1	16,161	24,915	65,774
Automatic environmental control manufacturing	<1	67,470	82,634	192,280
Industrial process variable instruments manufacturing	<1	8,323	10,578	26,867
Totalizing fluid meter and counting device manufacturing	<1	5,328	9,256	27,571
Electricity and signal testing instruments manufacturing	<1	2,819	3,277	9,604
Analytical laboratory instrument manufacturing	2	177,472	257,075	708,887
Irradiation apparatus manufacturing	<1	443	682	2,287



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	9,725	12,568	43,391
Blank magnetic and optical recording media manufacturing	<1	25,955	64,330	273,179
Software and other prerecorded and record reproducing	<1	97,856	126,609	297,389
Electric lamp bulb and part manufacturing	<1	7,533	12,191	32,677
Lighting fixture manufacturing	1	121,529	162,069	582,860
Small electrical appliance manufacturing	<1	9,467	19,951	70,431
Household cooking appliance manufacturing	<1	2,916	7,130	18,286
Household refrigerator and home freezer manufacturing	<1	3,434	7,811	19,539
Household laundry equipment manufacturing	<1	10,064	17,019	53,448
Other major household appliance manufacturing	<1	1,612	4,268	9,577
Power, distribution, and specialty transformer manufacturing	<1	7,771	10,564	29,957
Motor and generator manufacturing	<1	13,856	25,292	96,695
Switchgear and switchboard apparatus manufacturing	<1	62,119	109,862	318,568
Relay and industrial control manufacturing	<1	33,750	44,776	131,056
Storage battery manufacturing	<1	79,140	124,032	361,523
Primary battery manufacturing	<1	18,724	101,263	110,185
Fiber optic cable manufacturing	<1	62,421	92,142	430,146
Other communication and energy wire manufacturing	<1	31,730	57,085	212,956
Wiring device manufacturing	<1	37,939	77,218	229,936
Carbon and graphite product manufacturing	<1	9,448	14,092	46,645
All other miscellaneous electrical equipment and component manufacturing	<1	15,137	17,791	51,696
Automobile manufacturing	<1	4,046	10,274	62,216
Light truck and utility vehicle manufacturing	<1	773	1,978	17,105
Heavy duty truck manufacturing	<1	3,857	7,060	43,843
Motor vehicle body manufacturing	<1	4,794	5,947	23,230
Truck trailer manufacturing	<1	290	350	1,788
Motor home manufacturing	<1	28,040	44,778	193,917
Travel trailer and camper manufacturing	2	127,303	146,802	742,333

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	22,751	32,935	202,758
Motor vehicle electrical and electronic equipment manufacturing	<1	38,282	53,823	221,937
Motor vehicle transmission and power train parts manufacturing	<1	40,767	54,051	293,676
Motor vehicle seating and interior trim manufacturing	<1	8,509	9,766	44,606
Motor vehicle metal stamping	<1	40,376	49,714	245,926
Other motor vehicle parts manufacturing	1	136,855	170,617	806,302
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	66,558	91,371	410,399
Aircraft manufacturing	<1	3,624	5,705	16,344
Aircraft engine and engine parts manufacturing	<1	28,664	67,849	149,175
Other aircraft parts and auxiliary equipment manufacturing	<1	39,390	54,284	114,512
Guided missile and space vehicle manufacturing	<1	66,461	114,097	241,377
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	10,909	16,009	28,370
Railroad rolling stock manufacturing	<1	372	400	1,306
Ship building and repairing	<1	20,966	28,591	67,839
Boat building	6	407,236	612,327	1,965,639
Motorcycle, bicycle, and parts manufacturing	<1	11,607	36,615	91,341
Military armored vehicle, tank, and tank component manufacturing	1	99,556	208,702	572,553
All other transportation equipment manufacturing	<1	33,953	69,513	260,800
Wood kitchen cabinet and countertop manufacturing	3	191,003	201,499	550,207
Upholstered household furniture manufacturing	1	62,884	67,838	245,768
Nonupholstered wood household furniture manufacturing	<1	56,946	59,780	165,791
Other household nonupholstered furniture manufacturing	<1	40,920	51,110	288,093
Institutional furniture manufacturing	<1	35,851	37,447	114,188
Wood office furniture manufacturing	<1	1,171	1,130	3,407

## Appendix

Custom architectural woodwork and millwork	<1	6,496	3,873	15,256
Office furniture, except wood, manufacturing	<1	1,097	1,108	5,273
Showcase, partition, shelving, and locker manufacturing	<1	12,515	13,234	48,281
Mattress manufacturing	<1	47,754	58,736	315,724
Blind and shade manufacturing	<1	24,339	23,799	97,185
Surgical and medical instrument manufacturing	<1	82,588	132,254	272,745
Surgical appliance and supplies manufacturing	2	180,554	362,565	833,500
Dental equipment and supplies manufacturing	<1	7,193	12,452	27,816
Ophthalmic goods manufacturing	2	216,444	427,133	741,740
Dental laboratories	2	140,267	161,325	289,258
Jewelry and silverware manufacturing	2	97,100	177,564	484,782
Sporting and athletic goods manufacturing	<1	62,409	93,508	267,820
Doll, toy, and game manufacturing	<1	29,477	59,727	151,409
Office supplies (except paper) manufacturing	1	117,762	195,965	486,159
Sign manufacturing	1	76,873	73,786	190,469
Gasket, packing, and sealing device manufacturing	<1	6,342	7,270	17,730
Musical instrument manufacturing	<1	2,020	2,315	5,806
Fasteners, buttons, needles, and pins manufacturing	<1	22,142	26,312	63,734
Broom, brush, and mop manufacturing	<1	27,926	44,335	115,426
Burial casket manufacturing	<1	1,184	1,820	3,193
All other miscellaneous manufacturing	2	176,713	254,259	704,893
Wholesale - Motor vehicle and motor vehicle parts and supplies	10	860,333	1,904,015	4,241,060
Wholesale - Professional and commercial equipment and supplies	35	4,637,967	7,335,085	12,744,148
Wholesale - Household appliances and electrical and electronic goods	14	1,682,865	4,089,077	8,817,156
Wholesale - Machinery, equipment, and supplies	20	1,996,611	3,803,176	6,913,988
Wholesale - Other durable goods merchant wholesalers	37	3,589,260	6,640,408	13,514,561

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	14	2,348,229	5,555,852	12,365,878
Wholesale - Grocery and related product wholesalers	30	2,686,461	4,001,619	7,938,873
Wholesale - Petroleum and petroleum products	3	322,155	6,267,805	7,156,880
Wholesale - Other nondurable goods merchant wholesalers	47	4,702,825	11,273,274	20,372,490
Wholesale - Wholesale electronic markets and agents and brokers	19	2,296,388	2,598,463	3,105,560
Retail - Motor vehicle and parts dealers	36	3,169,338	4,566,140	6,173,015
Retail - Furniture and home furnishings stores	27	1,571,174	2,189,248	3,510,095
Retail - Electronics and appliance stores	25	1,632,530	1,630,635	2,629,589
Retail - Building material and garden equipment and supplies stores	37	1,844,720	3,935,964	5,516,246
Retail - Food and beverage stores	134	4,774,548	7,400,947	12,190,875
Retail - Health and personal care stores	55	2,823,125	3,784,983	5,625,535
Retail - Gasoline stores	26	1,136,861	2,612,275	4,640,825
Retail - Clothing and clothing accessories stores	57	2,134,896	3,830,317	7,457,043
Retail - Sporting goods, hobby, musical instrument and book stores	35	1,265,792	1,762,243	2,831,109
Retail - General merchandise stores	100	3,837,002	6,598,778	10,687,873
Retail - Miscellaneous store retailers	79	2,873,094	3,084,375	4,861,636
Retail - Nonstore retailers	90	2,256,661	13,820,632	21,824,554
Air transportation	39	4,856,051	10,273,698	20,423,860
Rail transportation	4	628,868	977,362	2,345,166
Water transportation	6	678,528	1,832,033	5,190,065
Truck transportation	92	5,580,870	8,640,455	19,851,754
Transit and ground passenger transportation	152	1,282,277	2,224,504	4,836,859
Pipeline transportation	<1	127,234	377,546	643,477
Scenic and sightseeing transportation and support activities for transportation	89	6,764,869	6,044,656	9,579,721
Couriers and messengers	108	2,557,842	6,246,069	7,535,995
Warehousing and storage	80	3,966,370	4,301,611	8,359,140
Newspaper publishers	6	582,986	900,116	1,265,237
Periodical publishers	3	373,375	530,639	890,438
Book publishers	2	298,744	694,885	1,469,080

## Appendix

Directory, mailing list, and other publishers	2	288,460	588,971	1,060,777
Greeting card publishing	<1	6,019	16,703	32,169
Software publishers	79	15,194,401	27,119,965	36,161,220
Motion picture and video industries	15	1,126,743	1,574,192	4,100,683
Sound recording industries	2	222,487	1,043,712	1,903,078
Radio and television broadcasting	15	4,460,005	5,884,865	11,478,623
Cable and other subscription programming	4	1,090,169	4,838,822	10,591,614
Wired telecommunications carriers	26	2,545,801	5,848,258	11,716,674
Wireless telecommunications carriers (except satellite)	5	539,953	4,671,912	11,625,618
Satellite, telecommunications resellers, and all other telecommunications	6	748,691	914,752	2,339,574
Data processing, hosting, and related services	41	5,583,912	10,979,743	28,963,187
News syndicates, libraries, archives and all other information services	4	433,488	650,229	1,394,776
Internet publishing and broadcasting and web search portals	15	1,963,380	4,804,836	20,082,104
Nondepository credit intermediation and related activities	53	6,469,627	6,843,058	10,502,893
Securities and commodity contracts intermediation and brokerage	135	11,221,890	8,354,460	17,092,250
Monetary authorities and depository credit intermediation	114	13,043,041	18,412,622	39,438,939
Other financial investment activities	114	8,254,072	9,101,929	22,315,005
Direct life insurance carriers	15	1,626,168	3,220,739	4,792,908
Insurance carriers, except direct life	79	7,551,061	22,908,886	50,581,845
Insurance agencies, brokerages, and related activities	102	9,049,972	14,205,699	33,702,567
Funds, trusts, and other financial vehicles	46	1,676,006	1,642,267	9,677,253
Other real estate	741	11,188,054	54,018,295	147,181,513
Tenant-occupied housing	44	597,035	19,179,346	20,289,415
Owner-occupied dwellings	0	0	80,222,957	96,815,824
Automotive equipment rental and leasing	15	1,132,397	4,095,053	5,181,116

## Appendix

General and consumer goods rental except video tapes and discs	15	934,956	1,735,052	2,558,644
Video tape and disc rental	4	243,730	415,556	683,528
Commercial and industrial machinery and equipment rental and leasing	16	1,513,758	4,451,156	5,727,490
Lessors of nonfinancial intangible assets	3	423,521	6,646,246	6,966,402
Legal services	224	23,188,878	36,486,095	51,279,323
Accounting, tax preparation, bookkeeping, and payroll services	109	9,628,687	12,852,506	19,553,784
Architectural, engineering, and related services	125	10,649,571	11,981,304	22,226,390
Specialized design services	13	913,008	1,660,566	2,991,058
Custom computer programming services	49	4,973,077	5,058,892	7,196,110
Computer systems design services	39	4,156,943	3,916,232	5,071,050
Other computer related services, including facilities management	33	3,578,071	4,642,236	8,768,983
Management consulting services	355	34,556,844	35,804,408	58,326,334
Environmental and other technical consulting services	36	3,152,642	3,575,509	5,887,853
Scientific research and development services	2,929	309,906,761	393,947,474	750,852,241
Advertising, public relations, and related services	70	5,871,154	9,717,935	20,149,223
Photographic services	5	203,238	569,971	1,238,850
Veterinary services	16	930,389	1,071,992	1,659,689
Marketing research and all other miscellaneous professional, scientific, and technical services	178	16,333,142	31,849,048	61,377,538
Management of companies and enterprises	267	36,301,364	39,180,828	64,380,363
Office administrative services	123	8,924,042	3,850,139	10,073,160
Facilities support services	158	11,398,046	15,252,265	31,609,160
Employment services	573	30,120,604	42,415,494	69,958,417
Business support services	81	4,255,937	3,724,290	6,777,531
Travel arrangement and reservation services	24	1,341,592	2,156,496	7,207,657
Investigation and security services	84	3,675,083	3,722,909	5,490,027
Services to buildings	132	4,885,467	6,914,411	14,682,648
Landscape and horticultural services	67	2,793,977	3,427,983	6,921,026
Other support services	21	1,122,579	1,446,176	3,101,066
Waste management and remediation services	20	1,573,780	2,583,446	5,486,778

## Appendix

Elementary and secondary schools	50	2,520,772	2,215,375	2,671,517
Junior colleges, colleges, universities, and professional schools	47	2,450,764	3,218,668	4,320,491
Other educational services	41	2,173,080	2,426,437	4,451,616
Offices of physicians	206	19,762,179	19,880,010	30,128,253
Offices of dentists	48	3,294,808	4,122,845	5,600,679
Offices of other health practitioners	50	2,798,030	4,653,339	5,890,551
Outpatient care centers	52	3,286,114	3,255,298	5,550,620
Medical and diagnostic laboratories	20	1,506,081	2,709,763	3,702,460
Home health care services	77	3,897,114	3,884,019	5,031,950
Other ambulatory health care services	18	1,228,475	1,509,716	2,275,969
Hospitals	268	23,880,967	28,395,812	53,409,297
Nursing and community care facilities	70	3,501,532	3,804,588	6,273,645
Residential mental retardation, mental health, substance abuse and other facilities	26	1,432,598	1,468,172	2,150,905
Individual and family services	77	2,975,185	2,577,971	3,530,483
Child day care services	49	1,620,445	2,265,707	3,073,283
Community food, housing, and other relief services, including rehabilitation services	18	727,918	678,242	1,498,461
Performing arts companies	14	508,753	1,074,261	1,673,769
Commercial Sports Except Racing	55	2,550,616	1,994,791	3,351,722
Racing and Track Operation	4	145,047	402,974	589,883
Independent artists, writers, and performers	16	657,684	2,530,363	3,191,029
Promoters of performing arts and sports and agents for public figures	21	719,588	2,373,010	4,052,430
Museums, historical sites, zoos, and parks	3	133,683	167,156	283,837
Amusement parks and arcades	7	317,043	414,572	502,763
Gambling industries (except casino hotels)	22	1,072,023	3,095,425	4,085,300
Other amusement and recreation industries	32	1,326,146	1,393,671	1,839,189
Fitness and recreational sports centers	21	605,770	697,052	1,107,038
Bowling centers	3	102,334	162,018	234,058
Hotels and motels, including casino hotels	146	6,999,008	15,520,863	21,750,697
Other accommodations	23	1,107,272	1,400,959	1,802,354

## Appendix

Full-service restaurants	292	11,182,194	16,345,556	29,396,109
Limited-service restaurants	215	6,287,859	9,752,481	22,113,208
All other food and drinking places	145	5,652,286	8,984,664	13,445,479
Automotive repair and maintenance, except car washes	78	4,776,599	5,714,944	8,214,757
Car washes	34	2,498,459	3,624,201	5,182,298
Electronic and precision equipment repair and maintenance	53	4,174,036	5,313,836	8,546,119
Commercial and industrial machinery and equipment repair and maintenance	167	12,818,842	14,678,336	22,697,352
Personal and household goods repair and maintenance	21	1,038,846	2,054,778	2,948,725
Personal care services	102	2,688,524	1,629,859	2,112,114
Death care services	15	454,350	315,988	467,677
Dry-cleaning and laundry services	40	1,150,015	737,955	1,015,955
Other personal services	83	2,348,145	2,937,593	4,425,334
Religious organizations	28	1,808,700	830,209	2,520,881
Grantmaking, giving, and social advocacy organizations	8	615,827	1,679,078	2,415,082
Business and professional associations	10	1,079,882	1,611,411	2,625,998
Labor and civic organizations	16	745,157	1,926,103	3,008,990
Private households	47	1,234,655	1,234,655	1,234,655
Postal service	28	2,773,241	2,784,436	2,785,463
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	136,608	223,672	599,709
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	6,533	9,501	14,099
Local government passenger transit	2	254,813	60,006	144,011
Local government electric utilities	3	398,944	1,270,838	2,341,815
Other local government enterprises	17	1,657,622	2,659,560	7,141,794
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	702	125,406,138	179,503,922	325,997,842

## Investments in Climate Change Research and Technology

**Table 654: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,179</i>	<i>154,187,013</i>	<i>238,586,961</i>	<i>458,899,030</i>
Oilseed farming	<1	231	2,842	3,543
Grain farming	<1	7,514	26,691	59,799
Vegetable and melon farming	1	50,660	122,419	211,226
Fruit farming	1	35,421	87,041	124,598
Tree nut farming	<1	260	640	945
Greenhouse, nursery, and floriculture production	1	66,674	125,698	187,049
Tobacco farming	<1	891	1,253	1,671
Cotton farming	<1	2,730	4,408	6,164
Sugarcane and sugar beet farming	<1	28,572	54,340	85,349
All other crop farming	4	46,513	84,801	133,931
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	2	18,815	117,562	279,272
Dairy cattle and milk production	<1	13,410	39,681	176,841
Poultry and egg production	<1	11,869	23,513	175,393
Animal production, except cattle and poultry and eggs	1	55,754	249,233	277,329
Forestry, forest products, and timber tract production	<1	7,908	9,621	13,339

## Appendix

Commercial logging	<1	32,163	45,232	68,353
Commercial fishing	<1	1,438	57,634	58,195
Commercial hunting and trapping	<1	616	10,168	12,235
Support activities for agriculture and forestry	5	251,862	260,312	284,374
Oil and gas extraction	<1	776	5,360	670,997
Coal mining	<1	836	3,034	5,862
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	62	219	686
Silver ore mining	<1	16	41	130
Uranium-radium-vanadium ore mining	<1	13,372	50,344	92,937
Other metal ore mining	<1	3,765	8,820	18,110
Stone mining and quarrying	<1	15,431	68,722	107,564
Sand and gravel mining	<1	10,721	22,335	40,842
Other clay, ceramic, refractory minerals mining	<1	5,631	11,931	20,534
Potash, soda, and borate mineral mining	<1	1,598	2,701	5,345
Phosphate rock mining	<1	710	1,529	2,974
Other chemical and fertilizer mineral mining	<1	1,016	1,730	3,566
Other nonmetallic minerals	<1	6,381	13,051	24,986
Drilling oil and gas wells	<1	6	13	97
Support activities for oil and gas operations	<1	31	43	286
Metal mining services	<1	189	-1,187	37,726
Other nonmetallic minerals services	<1	16	31	1,243
Electric power generation - Hydroelectric	<1	912	2,503	3,750
Electric power generation - Fossil fuel	<1	161,733	816,841	1,516,974
Electric power generation - Nuclear	<1	64,901	157,623	261,660
Electric power generation - Solar	<1	17,145	53,513	87,017
Electric power generation - Wind	<1	5,961	57,752	76,571
Electric power generation - Geothermal	<1	307	777	1,202
Electric power generation - Biomass	<1	3,841	14,423	29,570
Electric power generation - All other	<1	18,880	29,349	32,046
Electric power transmission and distribution	2	461,370	2,175,126	4,019,949

## Appendix

Natural gas distribution	<1	67,767	317,781	539,308
Water, sewage and other systems	<1	47,777	123,240	198,037
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	41	2,598,904	2,746,942	5,979,848
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	465,558	821,841	2,028,803
Maintenance and repair construction of residential structures	3	171,941	280,266	673,211
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	195	344	846
Dog and cat food manufacturing	<1	3,502	6,744	48,848
Other animal food manufacturing	<1	28,237	53,231	431,442
Flour milling	<1	9,278	15,028	105,278
Rice milling	<1	396	588	5,112
Malt manufacturing	<1	342	449	2,216
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	234	915	22,061
Fats and oils refining and blending	<1	736	1,397	21,664
Breakfast cereal manufacturing	<1	137	246	2,823
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	8,866	16,748	102,537
Nonchocolate confectionery manufacturing	<1	3,875	4,820	38,689

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	853	1,093	6,977
Confectionery manufacturing from purchased chocolate	<1	3,149	3,873	25,766
Frozen fruits, juices and vegetables manufacturing	<1	31,165	48,146	229,434
Frozen specialties manufacturing	<1	10,126	12,193	72,720
Canned fruits and vegetables manufacturing	<1	31,045	46,051	202,964
Canned specialties	<1	356	606	4,151
Dehydrated food products manufacturing	<1	947	1,393	8,080
Cheese manufacturing	<1	828	1,005	10,303
Dry, condensed, and evaporated dairy product manufacturing	<1	313	548	7,025
Fluid milk manufacturing	<1	19,616	25,425	213,988
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	5,243	6,404	45,661
Frozen cakes and other pastries manufacturing	1	50,384	78,855	153,957
Poultry processing	<1	25,688	28,862	162,604
Animal, except poultry, slaughtering	<1	12,781	17,812	118,149
Meat processed from carcasses	<1	25,257	29,312	223,803
Rendering and meat byproduct processing	<1	6,466	8,157	40,719
Seafood product preparation and packaging	<1	24,015	27,807	202,520
Bread and bakery product, except frozen, manufacturing	3	121,333	170,966	464,296
Cookie and cracker manufacturing	<1	18,286	22,073	97,811
Dry pasta, mixes, and dough manufacturing	<1	2,400	4,028	20,888
Tortilla manufacturing	<1	8,202	9,790	41,412
Roasted nuts and peanut butter manufacturing	<1	8,687	12,307	58,928
Other snack food manufacturing	<1	19,941	34,061	166,250
Coffee and tea manufacturing	<1	4,980	7,090	56,610
Flavoring syrup and concentrate manufacturing	<1	9,108	39,490	142,712
Mayonnaise, dressing, and sauce manufacturing	<1	7,535	11,356	56,942
Spice and extract manufacturing	<1	12,064	15,949	92,290
All other food manufacturing	<1	28,299	34,732	188,621
Bottled and canned soft drinks & water	<1	70,734	98,721	548,998
Manufactured ice	<1	2,848	1,606	8,540

## Appendix

Breweries	<1	36,287	54,455	176,110
Wineries	<1	7,823	10,571	37,037
Distilleries	<1	44,184	84,715	182,636
Tobacco product manufacturing	<1	35,178	386,336	726,497
Fiber, yarn, and thread mills	<1	192	248	1,576
Broadwoven fabric mills	<1	1,447	1,964	8,159
Narrow fabric mills and schiffli machine embroidery	<1	452	502	1,953
Nonwoven fabric mills	<1	1,875	2,959	15,988
Knit fabric mills	<1	10	12	51
Textile and fabric finishing mills	<1	2,811	3,630	17,031
Fabric coating mills	<1	100	130	951
Carpet and rug mills	<1	3,169	4,624	19,287
Curtain and linen mills	<1	3,890	4,925	20,373
Textile bag and canvas mills	<1	12,996	17,224	55,771
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,682	2,428	7,258
Other textile product mills	<1	9,668	11,500	34,599
Hosiery and sock mills	<1	671	1,152	2,622
Other apparel knitting mills	<1	938	1,622	3,847
Cut and sew apparel contractors	<1	5,912	6,426	14,785
Men's and boys' cut and sew apparel manufacturing	<1	4,856	4,349	13,896
Women's and girls' cut and sew apparel manufacturing	<1	4,755	2,239	21,388
Other cut and sew apparel manufacturing	<1	2,499	2,148	8,419
Apparel accessories and other apparel manufacturing	<1	3,332	2,864	11,999
Leather and hide tanning and finishing	<1	548	331	2,067
Footwear manufacturing	<1	1,051	993	4,085
Other leather and allied product manufacturing	<1	3,719	3,369	11,301
Sawmills	<1	30,944	59,438	235,726
Wood preservation	<1	4,878	15,390	64,231
Veneer and plywood manufacturing	<1	10,088	17,005	50,950
Engineered wood member and truss manufacturing	<1	30,886	54,636	174,842
Reconstituted wood product manufacturing	<1	18,707	61,288	130,988
Wood windows and door manufacturing	<1	32,610	46,172	127,207
Cut stock, resawing lumber, and planing	<1	1,245	2,768	9,535

Appendix

Other millwork, including flooring	<1	19,253	33,585	97,022
Wood container and pallet manufacturing	<1	12,627	18,354	51,670
Manufactured home (mobile home) manufacturing	<1	82	119	388
Prefabricated wood building manufacturing	<1	3,270	6,029	16,293
All other miscellaneous wood product manufacturing	<1	6,741	10,342	32,437
Pulp mills	<1	1,576	2,530	9,152
Paper mills	<1	31,037	82,359	251,659
Paperboard mills	<1	34,189	77,866	255,594
Paperboard container manufacturing	<1	59,062	96,900	394,755
Paper bag and coated and treated paper manufacturing	<1	9,320	15,823	49,400
Stationery product manufacturing	<1	3,458	4,630	18,836
Sanitary paper product manufacturing	<1	42,345	133,279	383,213
All other converted paper product manufacturing	<1	4,391	8,129	26,035
Printing	4	255,927	402,022	850,279
Support activities for printing	<1	15,544	24,933	39,836
Petroleum refineries	<1	3,870	41,763	264,090
Asphalt paving mixture and block manufacturing	<1	10,317	16,090	77,810
Asphalt shingle and coating materials manufacturing	<1	10,900	43,660	96,602
Petroleum lubricating oil and grease manufacturing	<1	32,280	100,923	319,962
All other petroleum and coal products manufacturing	<1	366	1,320	3,898
Petrochemical manufacturing	<1	591	6,603	24,104
Industrial gas manufacturing	<1	20,679	57,903	143,679
Synthetic dye and pigment manufacturing	<1	730	1,336	3,736
Other basic inorganic chemical manufacturing	<1	12,093	24,436	71,641
Other basic organic chemical manufacturing	<1	25,992	60,304	421,282
Plastics material and resin manufacturing	<1	14,502	23,883	165,561
Synthetic rubber manufacturing	<1	19,786	26,799	102,794
Artificial and synthetic fibers and filaments manufacturing	<1	13,925	20,107	85,737
Nitrogenous fertilizer manufacturing	<1	4,995	17,897	86,084

## Appendix

Phosphatic fertilizer manufacturing	<1	23,478	61,391	181,696
Fertilizer mixing	<1	6,400	12,784	36,794
Pesticide and other agricultural chemical manufacturing	<1	8,198	26,607	116,628
Medicinal and botanical manufacturing	<1	12,101	19,638	72,223
Pharmaceutical preparation manufacturing	1	108,482	273,345	823,443
In-vitro diagnostic substance manufacturing	<1	3,720	5,400	13,358
Biological product (except diagnostic) manufacturing	<1	3,069	9,259	19,098
Paint and coating manufacturing	<1	45,566	85,035	239,231
Adhesive manufacturing	<1	3,274	5,202	20,822
Soap and other detergent manufacturing	<1	17,597	45,923	186,926
Polish and other sanitation good manufacturing	<1	18,150	29,200	88,486
Surface active agent manufacturing	<1	3,861	15,224	37,903
Toilet preparation manufacturing	<1	38,074	107,946	287,475
Printing ink manufacturing	<1	3,583	3,884	14,513
Explosives manufacturing	<1	8,108	9,154	25,299
Custom compounding of purchased resins	<1	1,063	1,683	5,858
Photographic film and chemical manufacturing	<1	2,530	5,567	18,447
Other miscellaneous chemical product manufacturing	<1	35,701	56,667	226,298
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	16,378	26,089	112,687
Unlaminated plastics profile shape manufacturing	<1	21,598	47,322	154,937
Plastics pipe and pipe fitting manufacturing	<1	18,121	48,649	184,295
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2,374	3,896	15,474
Polystyrene foam product manufacturing	<1	26,667	45,905	186,348
Urethane and other foam product (except polystyrene) manufacturing	<1	11,221	18,718	77,520
Plastics bottle manufacturing	<1	15,712	24,102	106,408
Other plastics product manufacturing	1	92,308	134,374	491,869
Tire manufacturing	<1	11,383	14,365	66,472

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	3,186	4,951	16,815
Other rubber product manufacturing	<1	50,423	63,227	219,013
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,083	1,767	3,987
Brick, tile, and other structural clay product manufacturing	<1	4,239	7,531	14,922
Flat glass manufacturing	<1	9,616	20,332	58,285
Other pressed and blown glass and glassware manufacturing	<1	6,052	10,430	29,288
Glass container manufacturing	<1	5,079	8,412	20,072
Glass product manufacturing made of purchased glass	<1	34,777	66,470	165,541
Cement manufacturing	<1	16,711	40,708	107,599
Ready-mix concrete manufacturing	<1	77,300	133,314	397,711
Concrete block and brick manufacturing	<1	28,434	53,731	129,966
Concrete pipe manufacturing	<1	27,071	47,609	112,131
Other concrete product manufacturing	<1	66,209	103,339	244,987
Lime manufacturing	<1	1,337	3,121	8,006
Gypsum product manufacturing	<1	16,538	50,773	126,308
Abrasive product manufacturing	<1	704	1,599	2,158
Cut stone and stone product manufacturing	<1	10,831	14,588	32,093
Ground or treated mineral and earth manufacturing	<1	3,768	9,530	19,176
Mineral wool manufacturing	<1	4,951	14,059	30,782
Miscellaneous nonmetallic mineral products manufacturing	<1	13,309	33,835	70,210
Iron and steel mills and ferroalloy manufacturing	<1	26,249	151,755	531,343
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,136	15,585	41,034
Rolled steel shape manufacturing	<1	2,176	21,020	52,722
Steel wire drawing	<1	919	4,065	9,060
Alumina refining and primary aluminum production	<1	56	174	794
Secondary smelting and alloying of aluminum	<1	2,392	10,162	69,497
Aluminum sheet, plate, and foil manufacturing	<1	1,730	8,076	24,511
Other aluminum rolling, drawing and extruding	<1	4,764	12,100	44,639
Nonferrous metal (exc aluminum) smelting and refining	<1	367	7,871	15,334



## Appendix

Copper rolling, drawing, extruding and alloying	<1	1,827	8,283	47,350
Nonferrous metal, except copper and aluminum, shaping	<1	1,841	3,250	13,347
Secondary processing of other nonferrous metals	<1	950	4,355	13,599
Ferrous metal foundries	<1	7,232	26,341	49,194
Nonferrous metal foundries	<1	4,390	9,806	22,342
Custom roll forming	<1	1,198	1,690	7,058
Crown and closure manufacturing and metal stamping	<1	14,203	18,315	59,979
Iron and steel forging	<1	2,535	3,435	14,983
Nonferrous forging	<1	1,549	1,940	6,523
Cutlery, utensil, pot, and pan manufacturing	<1	960	2,040	7,861
Handtool manufacturing	<1	7,023	10,954	26,358
Prefabricated metal buildings and components manufacturing	<1	26,124	39,043	155,091
Fabricated structural metal manufacturing	<1	55,395	80,616	301,459
Plate work manufacturing	<1	13,483	15,272	53,291
Metal window and door manufacturing	1	66,991	91,581	310,031
Sheet metal work manufacturing	<1	33,012	44,552	145,607
Ornamental and architectural metal work manufacturing	<1	39,621	48,105	155,792
Power boiler and heat exchanger manufacturing	<1	253	342	1,265
Metal tank (heavy gauge) manufacturing	<1	4,169	5,057	17,793
Metal cans manufacturing	<1	12,137	21,755	101,352
Metal barrels, drums and pails manufacturing	<1	1,673	2,174	10,694
Hardware manufacturing	<1	9,069	13,156	49,603
Spring and wire product manufacturing	<1	14,041	18,250	62,370
Machine shops	<1	62,301	73,301	171,720
Turned product and screw, nut, and bolt manufacturing	<1	6,880	8,748	28,621
Metal heat treating	<1	3,246	4,191	10,855
Metal coating and nonprecious engraving	<1	14,132	23,923	75,119
Electroplating, anodizing, and coloring metal	<1	10,675	11,638	29,809
Valve and fittings, other than plumbing, manufacturing	<1	16,399	23,665	74,678
Plumbing fixture fitting and trim manufacturing	<1	3,105	6,990	27,098

## Appendix

Ball and roller bearing manufacturing	<1	1,302	2,063	5,653
Small arms ammunition manufacturing	<1	7,977	17,763	55,155
Ammunition, except for small arms, manufacturing	<1	56	64	156
Small arms, ordnance, and accessories manufacturing	<1	12,101	24,591	73,675
Fabricated pipe and pipe fitting manufacturing	<1	3,523	4,380	13,462
Other fabricated metal manufacturing	<1	47,604	62,259	194,708
Farm machinery and equipment manufacturing	<1	912	2,048	8,996
Lawn and garden equipment manufacturing	<1	373	750	3,371
Construction machinery manufacturing	<1	361	1,004	3,031
Mining machinery and equipment manufacturing	<1	411	690	1,901
Oil and gas field machinery and equipment manufacturing	<1	43	61	186
Semiconductor machinery manufacturing	<1	96	126	539
Food product machinery manufacturing	<1	79	95	259
Sawmill, woodworking, and paper machinery	<1	180	213	647
Printing machinery and equipment manufacturing	<1	108	125	403
All other industrial machinery manufacturing	<1	447	627	1,692
Optical instrument and lens manufacturing	<1	3,949	6,563	14,736
Photographic and photocopying equipment manufacturing	<1	677	893	2,523
Other commercial service industry machinery manufacturing	<1	19,396	36,960	92,690
Air purification and ventilation equipment manufacturing	<1	5,597	8,002	21,877
Heating equipment (except warm air furnaces) manufacturing	<1	5,374	9,660	27,989
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	18,042	37,336	114,884
Industrial mold manufacturing	<1	2,412	3,152	7,342
Special tool, die, jig, and fixture manufacturing	<1	240	355	724

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	1,104	1,368	3,460
Machine tool manufacturing	<1	353	496	1,601
Rolling mill and other metalworking machinery manufacturing	<1	148	221	519
Turbine and turbine generator set units manufacturing	<1	499	570	1,977
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,041	4,999	14,890
Mechanical power transmission equipment manufacturing	<1	3,604	5,908	12,869
Other engine equipment manufacturing	<1	6,335	17,839	74,792
Pump and pumping equipment manufacturing	<1	1,439	2,887	8,242
Air and gas compressor manufacturing	<1	252	381	1,102
Elevator and moving stairway manufacturing	<1	249	355	1,345
Conveyor and conveying equipment manufacturing	<1	159	189	600
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,434	3,043	9,423
Industrial truck, trailer, and stacker manufacturing	<1	1,293	2,563	7,788
Power-driven handtool manufacturing	<1	66	233	544
Welding and soldering equipment manufacturing	<1	432	778	3,346
Packaging machinery manufacturing	<1	1,136	1,919	4,770
Industrial process furnace and oven manufacturing	<1	12	16	41
Fluid power cylinder and actuator manufacturing	<1	734	1,186	3,149
Fluid power pump and motor manufacturing	<1	1,306	2,494	8,648
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,053	1,419	4,426
Electronic computer manufacturing	<1	1,442	1,907	10,806
Computer storage device manufacturing	<1	141	189	762
Computer terminals and other computer peripheral equipment manufacturing	<1	29,949	41,077	123,977
Telephone apparatus manufacturing	<1	2,244	3,194	12,094

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	1,924	2,328	6,726
Other communications equipment manufacturing	<1	8,035	10,879	28,827
Audio and video equipment manufacturing	<1	1,549	2,357	18,712
Printed circuit assembly (electronic assembly) manufacturing	<1	6,372	8,542	44,405
Bare printed circuit board manufacturing	<1	29,599	32,860	61,489
Semiconductor and related device manufacturing	<1	31,084	42,820	191,226
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,340	2,709	9,884
Electronic connector manufacturing	<1	26,591	31,694	102,899
Other electronic component manufacturing	<1	7,541	8,592	27,859
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,349	1,822	5,213
Search, detection, and navigation instruments manufacturing	<1	10,910	15,498	46,381
Automatic environmental control manufacturing	<1	5,562	6,735	16,179
Industrial process variable instruments manufacturing	<1	3,549	4,429	11,004
Totalizing fluid meter and counting device manufacturing	<1	1,613	2,619	8,452
Electricity and signal testing instruments manufacturing	<1	30,021	36,417	93,644
Analytical laboratory instrument manufacturing	<1	74,183	106,959	302,464
Irradiation apparatus manufacturing	<1	53	78	280
Watch, clock, and other measuring and controlling device manufacturing	<1	1,443	1,829	6,909
Blank magnetic and optical recording media manufacturing	<1	2,136	5,722	25,426
Software and other prerecorded and record reproducing	<1	8,994	11,610	29,306
Electric lamp bulb and part manufacturing	<1	1,062	1,691	4,692
Lighting fixture manufacturing	<1	18,918	24,524	95,825
Small electrical appliance manufacturing	<1	1,331	2,768	10,173

## Appendix

Household cooking appliance manufacturing	<1	425	935	2,668
Household refrigerator and home freezer manufacturing	<1	502	1,032	2,860
Household laundry equipment manufacturing	<1	1,517	2,400	8,208
Other major household appliance manufacturing	<1	220	512	1,278
Power, distribution, and specialty transformer manufacturing	<1	703	992	2,885
Motor and generator manufacturing	<1	2,630	4,802	18,474
Switchgear and switchboard apparatus manufacturing	<1	6,333	11,296	33,770
Relay and industrial control manufacturing	<1	5,448	7,221	22,510
Storage battery manufacturing	<1	13,243	20,991	66,061
Primary battery manufacturing	<1	2,440	8,708	13,562
Fiber optic cable manufacturing	<1	9,391	14,063	68,606
Other communication and energy wire manufacturing	<1	6,888	11,724	46,609
Wiring device manufacturing	<1	9,163	17,534	55,111
Carbon and graphite product manufacturing	<1	1,939	2,973	9,780
All other miscellaneous electrical equipment and component manufacturing	<1	18,510	21,407	70,463
Automobile manufacturing	<1	842	2,646	14,697
Light truck and utility vehicle manufacturing	<1	166	515	4,146
Heavy duty truck manufacturing	<1	786	1,395	10,230
Motor vehicle body manufacturing	<1	971	1,212	4,576
Truck trailer manufacturing	<1	67	83	422
Motor home manufacturing	<1	9,733	15,299	70,334
Travel trailer and camper manufacturing	<1	32,512	38,370	189,326
Motor vehicle gasoline engine and engine parts manufacturing	<1	4,392	6,403	39,744
Motor vehicle electrical and electronic equipment manufacturing	<1	8,559	11,988	53,923
Motor vehicle transmission and power train parts manufacturing	<1	4,864	6,689	40,224
Motor vehicle seating and interior trim manufacturing	<1	2,074	2,389	10,993
Motor vehicle metal stamping	<1	11,860	14,388	75,498
Other motor vehicle parts manufacturing	<1	29,571	38,295	179,076

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	11,278	14,817	69,930
Aircraft manufacturing	<1	1,225	2,153	5,838
Aircraft engine and engine parts manufacturing	<1	11,609	26,673	60,179
Other aircraft parts and auxiliary equipment manufacturing	<1	26,738	37,567	77,361
Guided missile and space vehicle manufacturing	<1	7,491	12,091	25,968
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,417	3,400	6,254
Railroad rolling stock manufacturing	<1	62	68	229
Ship building and repairing	<1	3,713	5,151	12,124
Boat building	1	100,804	154,829	498,334
Motorcycle, bicycle, and parts manufacturing	<1	2,607	10,181	23,010
Military armored vehicle, tank, and tank component manufacturing	<1	23,521	51,938	146,053
All other transportation equipment manufacturing	<1	9,134	19,971	75,113
Wood kitchen cabinet and countertop manufacturing	<1	42,583	46,297	127,708
Upholstered household furniture manufacturing	<1	9,483	10,219	36,692
Nonupholstered wood household furniture manufacturing	<1	9,279	9,766	27,837
Other household nonupholstered furniture manufacturing	<1	6,757	8,577	52,165
Institutional furniture manufacturing	<1	771	807	2,237
Wood office furniture manufacturing	<1	137	148	452
Custom architectural woodwork and millwork	<1	1,304	773	3,159
Office furniture, except wood, manufacturing	<1	205	234	1,039
Showcase, partition, shelving, and locker manufacturing	<1	2,676	2,958	10,882
Mattress manufacturing	<1	8,741	10,726	58,858
Blind and shade manufacturing	<1	4,670	4,543	18,616
Surgical and medical instrument manufacturing	<1	12,225	18,883	41,414
Surgical appliance and supplies manufacturing	<1	28,166	54,099	131,667

## Appendix

Dental equipment and supplies manufacturing	<1	1,068	1,778	4,090
Ophthalmic goods manufacturing	<1	43,507	82,480	146,851
Dental laboratories	<1	21,864	24,884	44,968
Jewelry and silverware manufacturing	<1	17,645	31,211	86,535
Sporting and athletic goods manufacturing	<1	10,973	15,975	48,376
Doll, toy, and game manufacturing	<1	4,223	7,962	21,934
Office supplies (except paper) manufacturing	<1	18,185	28,750	82,987
Sign manufacturing	<1	13,889	13,096	34,789
Gasket, packing, and sealing device manufacturing	<1	1,180	1,331	3,344
Musical instrument manufacturing	<1	177	196	511
Fasteners, buttons, needles, and pins manufacturing	<1	2,671	3,117	7,497
Broom, brush, and mop manufacturing	<1	2,628	3,790	11,039
Burial casket manufacturing	<1	301	439	860
All other miscellaneous manufacturing	<1	33,984	47,817	139,062
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	136,377	305,553	671,613
Wholesale - Professional and commercial equipment and supplies	5	687,343	1,093,368	1,913,180
Wholesale - Household appliances and electrical and electronic goods	3	354,228	877,750	1,896,355
Wholesale - Machinery, equipment, and supplies	4	356,609	688,925	1,251,449
Wholesale - Other durable goods merchant wholesalers	7	654,901	1,228,701	2,493,227
Wholesale - Drugs and druggists'sundries	2	370,124	902,452	2,038,627
Wholesale - Grocery and related product wholesalers	5	441,273	668,844	1,329,577
Wholesale - Petroleum and petroleum products	<1	68,424	1,070,534	1,259,297
Wholesale - Other nondurable goods merchant wholesalers	7	728,771	1,702,253	3,145,777
Wholesale - Wholesale electronic markets and agents and brokers	3	394,558	450,697	544,687
Retail - Motor vehicle and parts dealers	6	518,196	753,088	1,024,657
Retail - Furniture and home furnishings stores	4	247,836	347,932	564,620

## Appendix

Retail - Electronics and appliance stores	4	257,416	258,116	428,543
Retail - Building material and garden equipment and supplies stores	7	332,850	728,777	1,025,347
Retail - Food and beverage stores	21	715,478	1,123,655	1,867,365
Retail - Health and personal care stores	9	439,193	593,466	899,401
Retail - Gasoline stores	4	183,851	440,423	797,248
Retail - Clothing and clothing accessories stores	9	331,077	612,169	1,221,291
Retail - Sporting goods, hobby, musical instrument and book stores	6	193,755	273,705	448,299
Retail - General merchandise stores	17	627,169	1,091,650	1,783,754
Retail - Miscellaneous store retailers	13	444,674	483,063	780,423
Retail - Nonstore retailers	14	353,097	2,178,446	3,450,319
Air transportation	7	828,010	1,701,453	3,477,989
Rail transportation	<1	104,670	177,814	407,472
Water transportation	<1	102,299	250,781	799,476
Truck transportation	17	970,603	1,522,999	3,596,723
Transit and ground passenger transportation	22	144,546	258,030	616,458
Pipeline transportation	<1	29,417	71,826	126,228
Scenic and sightseeing transportation and support activities for transportation	15	1,135,927	1,056,256	1,652,938
Couriers and messengers	17	383,324	1,003,446	1,207,712
Warehousing and storage	14	669,634	721,062	1,426,951
Newspaper publishers	<1	80,975	110,902	167,140
Periodical publishers	<1	39,679	47,790	91,028
Book publishers	<1	36,759	73,416	170,071
Directory, mailing list, and other publishers	<1	47,936	87,682	164,946
Greeting card publishing	<1	919	2,273	4,453
Software publishers	5	873,964	1,325,421	1,947,389
Motion picture and video industries	2	155,686	213,854	607,367
Sound recording industries	<1	31,693	142,537	278,780
Radio and television broadcasting	3	632,045	837,611	1,861,020
Cable and other subscription programming	<1	138,238	592,885	1,404,605
Wired telecommunications carriers	5	440,839	974,600	2,008,755



## Appendix

Wireless telecommunications carriers (except satellite)	<1	100,617	748,137	2,011,236
Satellite, telecommunications resellers, and all other telecommunications	1	123,246	162,142	400,740
Data processing, hosting, and related services	8	984,082	1,922,272	5,261,236
News syndicates, libraries, archives and all other information services	<1	57,695	85,750	190,037
Internet publishing and broadcasting and web search portals	2	262,771	641,587	2,738,645
Nondepository credit intermediation and related activities	9	1,007,766	1,059,695	1,681,948
Securities and commodity contracts intermediation and brokerage	25	1,613,626	1,256,378	2,918,312
Monetary authorities and depository credit intermediation	22	2,488,469	2,991,688	6,908,252
Other financial investment activities	17	1,004,513	1,105,567	3,132,572
Direct life insurance carriers	3	272,326	527,091	828,883
Insurance carriers, except direct life	14	1,249,794	3,687,940	8,654,742
Insurance agencies, brokerages, and related activities	19	1,636,297	2,555,820	6,276,342
Funds, trusts, and other financial vehicles	7	234,785	219,771	1,478,965
Other real estate	137	1,932,505	9,401,737	26,556,481
Tenant-occupied housing	7	86,407	2,794,181	2,992,359
Owner-occupied dwellings	0	0	12,115,062	14,708,256
Automotive equipment rental and leasing	3	188,455	646,430	852,984
General and consumer goods rental except video tapes and discs	3	157,881	295,236	442,481
Video tape and disc rental	<1	39,130	67,518	110,864
Commercial and industrial machinery and equipment rental and leasing	3	285,223	810,139	1,066,794
Lessors of nonfinancial intangible assets	<1	83,529	1,122,901	1,185,048
Legal services	41	4,159,035	6,252,004	8,989,628
Accounting, tax preparation, bookkeeping, and payroll services	19	1,566,812	2,039,571	3,224,130
Architectural, engineering, and related services	112	8,371,788	9,340,280	19,872,485
Specialized design services	2	161,543	286,229	546,930

## Appendix

Custom computer programming services	5	492,301	501,950	736,463
Computer systems design services	6	595,989	560,321	740,952
Other computer related services, including facilities management	5	542,118	705,992	1,352,875
Management consulting services	59	5,303,030	5,476,209	9,257,374
Environmental and other technical consulting services	6	531,219	595,046	1,013,560
Scientific research and development services	480	49,128,313	64,207,488	122,748,053
Advertising, public relations, and related services	11	856,426	1,390,886	3,012,471
Photographic services	<1	35,574	91,498	216,684
Veterinary services	3	140,832	159,947	254,170
Marketing research and all other miscellaneous professional, scientific, and technical services	24	1,964,746	3,585,355	7,540,017
Management of companies and enterprises	44	5,597,035	6,018,516	10,226,937
Office administrative services	20	1,282,732	513,319	1,495,834
Facilities support services	5	270,293	362,938	889,364
Employment services	109	4,913,020	6,749,643	12,051,635
Business support services	18	823,007	707,483	1,380,412
Travel arrangement and reservation services	4	213,207	340,003	1,192,411
Investigation and security services	15	601,549	607,979	935,806
Services to buildings	23	772,147	1,069,657	2,396,664
Landscape and horticultural services	12	454,966	550,507	1,165,180
Other support services	4	181,126	230,828	522,183
Waste management and remediation services	6	493,906	815,420	1,752,461
Elementary and secondary schools	7	318,706	282,641	347,377
Junior colleges, colleges, universities, and professional schools	19	863,503	1,133,012	1,561,246
Other educational services	6	321,950	357,012	674,317
Offices of physicians	33	3,063,642	3,070,828	4,724,724
Offices of dentists	8	496,253	608,905	841,574
Offices of other health practitioners	8	449,612	717,730	925,446
Outpatient care centers	7	485,370	478,557	812,756
Medical and diagnostic laboratories	3	234,064	404,381	568,275
Home health care services	12	567,099	562,660	740,305

## Appendix

Other ambulatory health care services	3	186,230	224,841	346,455
Hospitals	34	3,080,420	3,621,839	6,860,120
Nursing and community care facilities	10	470,687	509,025	870,121
Residential mental retardation, mental health, substance abuse and other facilities	3	170,111	173,996	263,319
Individual and family services	11	374,805	320,236	455,050
Child day care services	7	224,625	299,697	420,115
Community food, housing, and other relief services, including rehabilitation services	2	85,628	79,353	183,350
Performing arts companies	2	69,109	144,514	244,113
Commercial Sports Except Racing	9	403,175	281,620	500,729
Racing and Track Operation	<1	18,265	54,258	84,601
Independent artists, writers, and performers	3	96,872	373,851	487,910
Promoters of performing arts and sports and agents for public figures	3	99,079	332,120	615,467
Museums, historical sites, zoos, and parks	<1	17,328	21,412	37,979
Amusement parks and arcades	1	46,109	59,787	73,947
Gambling industries (except casino hotels)	3	147,593	417,513	564,300
Other amusement and recreation industries	5	193,990	202,318	274,651
Fitness and recreational sports centers	3	84,690	94,372	157,420
Bowling centers	<1	15,351	23,665	35,397
Hotels and motels, including casino hotels	25	1,132,908	2,620,254	3,706,187
Other accommodations	3	148,696	189,848	249,199
Full-service restaurants	50	1,814,279	2,681,073	4,937,474
Limited-service restaurants	36	986,666	1,546,796	3,639,523
All other food and drinking places	23	832,776	1,345,328	2,069,367
Automotive repair and maintenance, except car washes	13	738,269	930,290	1,346,710
Car washes	6	407,746	598,694	864,280
Electronic and precision equipment repair and maintenance	5	291,935	384,760	659,727
Commercial and industrial machinery and equipment repair and maintenance	6	385,955	455,561	758,655
Personal and household goods repair and maintenance	3	135,234	298,812	425,506

## Appendix

Personal care services	16	396,685	281,351	358,621
Death care services	2	63,248	50,115	73,498
Dry-cleaning and laundry services	7	179,065	133,443	181,198
Other personal services	14	364,954	476,132	722,999
Religious organizations	4	219,904	121,463	331,463
Grantmaking, giving, and social advocacy organizations	1	67,602	220,895	310,910
Business and professional associations	2	152,595	262,835	426,806
Labor and civic organizations	2	87,530	273,537	410,538
Private households	8	186,297	186,297	187,089
Postal service	4	435,305	436,752	439,977
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	20,073	31,681	84,820
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,153	2,085	3,180
Local government passenger transit	<1	37,224	17,233	30,504
Local government electric utilities	<1	69,322	256,737	465,622
Other local government enterprises	3	287,052	622,977	1,432,861
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	25	4,255,499	6,254,537	10,886,982

## Georgia

## NASA

Table 655: Detailed NASA Impacts by Types of Impact, Georgia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	420	33,650,093	54,448,566	100,744,307
Oilseed farming	<1	6,060	20,669	24,276
Grain farming	<1	16,550	45,813	105,392
Vegetable and melon farming	<1	11,351	26,052	38,146
Fruit farming	<1	3,187	6,734	7,409
Tree nut farming	<1	2,334	5,239	6,139
Greenhouse, nursery, and floriculture production	<1	3,024	7,961	14,042
Tobacco farming	<1	262	531	938
Cotton farming	<1	2,295	6,219	10,239
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	9,877	22,659	39,576
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	6,692	19,833	34,003
Dairy cattle and milk production	<1	1,461	3,763	13,842
Poultry and egg production	<1	6,712	19,781	206,881
Animal production, except cattle and poultry and eggs	<1	10,813	31,346	35,656
Forestry, forest products, and timber tract production	<1	1,734	1,926	2,669
Commercial logging	<1	8,425	8,864	14,329
Commercial fishing	<1	21	983	992
Commercial hunting and trapping	<1	598	2,040	2,691
Support activities for agriculture and forestry	<1	36,030	36,971	41,299
Oil and gas extraction	<1	-2,333	81	130,780
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	37	121	213
Other metal ore mining	<1	96	165	274
Stone mining and quarrying	<1	4,204	13,336	20,094
Sand and gravel mining	<1	4,098	6,618	10,211

Appendix

Other clay, ceramic, refractory minerals mining	<1	2,900	5,211	8,431
Potash, soda, and borate mineral mining	<1	249	358	589
Phosphate rock mining	<1	92	159	273
Other chemical and fertilizer mineral mining	<1	107	157	267
Other nonmetallic minerals	<1	591	992	1,707
Drilling oil and gas wells	<1	<1	1	5
Support activities for oil and gas operations	<1	7	11	42
Metal mining services	<1	-11	6	1,141
Other nonmetallic minerals services	<1	7	12	168
Electric power generation - Hydroelectric	<1	618	1,615	2,935
Electric power generation - Fossil fuel	<1	3,438	14,194	31,003
Electric power generation - Nuclear	<1	73,016	159,383	298,734
Electric power generation - Solar	<1	719	1,959	3,791
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	928	3,006	7,121
Electric power generation - All other	<1	737	132	553
Electric power transmission and distribution	1	186,393	739,215	1,614,094
Natural gas distribution	<1	40,941	157,743	285,746
Water, sewage and other systems	<1	9,418	21,492	37,209
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	71,307	136,135	307,458
Maintenance and repair construction of residential structures	<1	32,270	55,168	124,410
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	30	57	129
Dog and cat food manufacturing	<1	7,393	33,243	80,927
Other animal food manufacturing	<1	3,616	9,784	60,877
Flour milling	<1	1,096	3,757	17,634
Rice milling	0	0	0	0
Malt manufacturing	<1	161	445	1,858
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,147	14,580	75,380
Fats and oils refining and blending	<1	917	4,494	22,128
Breakfast cereal manufacturing	<1	10,219	44,052	98,415
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	785	4,009	10,522
Nonchocolate confectionery manufacturing	<1	4,615	8,835	26,260
Chocolate and confectionery manufacturing from cacao beans	<1	308	662	2,124
Confectionery manufacturing from purchased chocolate	<1	1,090	2,256	9,153
Frozen fruits, juices and vegetables manufacturing	<1	446	1,579	4,702
Frozen specialties manufacturing	<1	1,449	2,655	10,450
Canned fruits and vegetables manufacturing	<1	1,187	3,707	10,806
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	188	536	1,631
Cheese manufacturing	<1	708	1,377	12,103
Dry, condensed, and evaporated dairy product manufacturing	<1	327	1,387	6,713
Fluid milk manufacturing	<1	123	299	1,284
Creamery butter manufacturing	<1	676	4,326	17,571
Ice cream and frozen dessert manufacturing	<1	962	1,922	6,585



## Appendix

Frozen cakes and other pastries manufacturing	<1	7,062	11,040	20,706
Poultry processing	<1	45,940	70,031	307,828
Animal, except poultry, slaughtering	<1	10,343	15,067	118,208
Meat processed from carcasses	<1	16,900	17,435	127,363
Rendering and meat byproduct processing	<1	565	779	3,935
Seafood product preparation and packaging	<1	4,170	8,212	29,060
Bread and bakery product, except frozen, manufacturing	<1	29,114	55,390	105,243
Cookie and cracker manufacturing	<1	5,681	11,183	28,134
Dry pasta, mixes, and dough manufacturing	<1	1,963	7,914	19,696
Tortilla manufacturing	<1	2,831	4,861	13,196
Roasted nuts and peanut butter manufacturing	<1	2,755	14,855	31,732
Other snack food manufacturing	<1	6,246	29,204	66,707
Coffee and tea manufacturing	<1	2,176	6,331	16,046
Flavoring syrup and concentrate manufacturing	<1	8,073	131,054	148,789
Mayonnaise, dressing, and sauce manufacturing	<1	1,257	3,799	11,527
Spice and extract manufacturing	<1	3,313	8,082	23,509
All other food manufacturing	<1	5,896	11,528	49,537
Bottled and canned soft drinks & water	<1	15,538	39,074	134,278
Manufactured ice	<1	598	608	2,160
Breweries	<1	11,163	32,945	66,160
Wineries	<1	1,717	4,669	14,860
Distilleries	<1	479	3,361	6,751
Tobacco product manufacturing	<1	626	29,437	36,843
Fiber, yarn, and thread mills	<1	55,767	72,262	310,668
Broadwoven fabric mills	<1	18,407	26,905	101,904
Narrow fabric mills and schiffli machine embroidery	<1	48	54	143
Nonwoven fabric mills	<1	10,603	17,210	51,489
Knit fabric mills	<1	177	238	634
Textile and fabric finishing mills	<1	24,648	32,691	111,735
Fabric coating mills	<1	108	139	615
Carpet and rug mills	<1	6,032	9,036	26,822
Curtain and linen mills	<1	1,301	1,687	5,661
Textile bag and canvas mills	<1	1,037	1,418	3,745
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,231	1,935	5,084

## Appendix

Other textile product mills	<1	2,338	2,828	6,675
Hosiery and sock mills	<1	53	95	233
Other apparel knitting mills	<1	74	132	347
Cut and sew apparel contractors	<1	314	340	888
Men's and boys' cut and sew apparel manufacturing	<1	805	670	2,779
Women's and girls' cut and sew apparel manufacturing	<1	908	309	5,212
Other cut and sew apparel manufacturing	<1	459	337	1,891
Apparel accessories and other apparel manufacturing	<1	188	184	765
Leather and hide tanning and finishing	<1	35	23	191
Footwear manufacturing	<1	359	342	1,170
Other leather and allied product manufacturing	<1	139	127	313
Sawmills	<1	9,792	22,979	66,510
Wood preservation	<1	653	2,768	8,227
Veneer and plywood manufacturing	<1	3,683	7,476	17,653
Engineered wood member and truss manufacturing	<1	1,603	3,520	9,170
Reconstituted wood product manufacturing	<1	470	2,214	5,578
Wood windows and door manufacturing	<1	11,627	19,223	44,089
Cut stock, resawing lumber, and planing	<1	605	1,644	4,418
Other millwork, including flooring	<1	3,082	6,546	17,195
Wood container and pallet manufacturing	<1	4,611	7,811	18,126
Manufactured home (mobile home) manufacturing	<1	4	7	23
Prefabricated wood building manufacturing	<1	460	1,081	2,703
All other miscellaneous wood product manufacturing	<1	1,297	2,282	6,398
Pulp mills	<1	665	998	3,157
Paper mills	<1	20,775	44,134	124,507
Paperboard mills	<1	16,803	32,978	93,127
Paperboard container manufacturing	<1	30,997	45,742	147,613
Paper bag and coated and treated paper manufacturing	<1	14,698	22,539	69,019
Stationery product manufacturing	<1	1,761	2,205	6,946

## Appendix

Sanitary paper product manufacturing	<1	8,533	23,081	60,715
All other converted paper product manufacturing	<1	1,156	1,898	5,274
Printing	<1	59,182	92,930	185,193
Support activities for printing	<1	4,443	7,040	11,936
Petroleum refineries	<1	1,685	21,614	158,956
Asphalt paving mixture and block manufacturing	<1	660	1,130	5,166
Asphalt shingle and coating materials manufacturing	<1	950	4,747	10,488
Petroleum lubricating oil and grease manufacturing	<1	61,469	203,789	467,612
All other petroleum and coal products manufacturing	<1	764	3,183	7,667
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	2	190,325	471,126	1,802,763
Synthetic dye and pigment manufacturing	<1	3,026	5,745	20,093
Other basic inorganic chemical manufacturing	<1	11,313	24,415	75,468
Other basic organic chemical manufacturing	<1	2,992	7,221	58,443
Plastics material and resin manufacturing	<1	8,582	15,566	107,585
Synthetic rubber manufacturing	<1	363	540	3,206
Artificial and synthetic fibers and filaments manufacturing	<1	9,976	15,181	95,275
Nitrogenous fertilizer manufacturing	<1	1,419	4,790	16,250
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	346	679	2,596
Pesticide and other agricultural chemical manufacturing	<1	2,273	7,955	47,722
Medicinal and botanical manufacturing	<1	1,286	1,938	6,798
Pharmaceutical preparation manufacturing	<1	8,738	21,676	56,587
In-vitro diagnostic substance manufacturing	<1	215	307	908
Biological product (except diagnostic) manufacturing	<1	661	1,788	4,757
Paint and coating manufacturing	<1	4,044	7,986	38,308
Adhesive manufacturing	<1	2,554	4,010	18,170
Soap and other detergent manufacturing	<1	6,657	17,043	63,792
Polish and other sanitation good manufacturing	<1	9,446	14,858	45,590

## Appendix

Surface active agent manufacturing	<1	1,165	4,313	12,682
Toilet preparation manufacturing	<1	2,634	7,236	21,551
Printing ink manufacturing	<1	799	893	4,090
Explosives manufacturing	<1	13	16	80
Custom compounding of purchased resins	<1	5,865	11,149	43,093
Photographic film and chemical manufacturing	<1	8,331	16,939	61,473
Other miscellaneous chemical product manufacturing	<1	5,935	9,199	39,053
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6,520	12,360	42,611
Unlaminated plastics profile shape manufacturing	<1	2,033	5,698	15,861
Plastics pipe and pipe fitting manufacturing	<1	1,415	5,232	16,512
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	715	1,429	3,958
Polystyrene foam product manufacturing	<1	5,852	12,468	38,515
Urethane and other foam product (except polystyrene) manufacturing	<1	1,857	3,821	14,804
Plastics bottle manufacturing	<1	5,493	9,975	41,462
Other plastics product manufacturing	<1	28,107	48,297	141,449
Tire manufacturing	<1	12,151	16,922	62,295
Rubber and plastics hoses and belting manufacturing	<1	1,729	3,200	10,408
Other rubber product manufacturing	<1	7,308	10,192	36,110
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,273	2,225	4,494
Brick, tile, and other structural clay product manufacturing	<1	6,603	12,035	26,659
Flat glass manufacturing	<1	954	2,145	4,564
Other pressed and blown glass and glassware manufacturing	<1	859	1,592	3,534
Glass container manufacturing	<1	1,620	2,903	8,058
Glass product manufacturing made of purchased glass	<1	2,219	4,547	11,023
Cement manufacturing	<1	952	2,569	7,032
Ready-mix concrete manufacturing	<1	4,733	8,684	27,984
Concrete block and brick manufacturing	<1	770	1,554	3,989
Concrete pipe manufacturing	<1	46	86	226

## Appendix

Other concrete product manufacturing	<1	2,856	4,686	10,954
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,562	5,354	12,996
Abrasive product manufacturing	<1	399	1,012	1,670
Cut stone and stone product manufacturing	<1	2,412	3,370	7,686
Ground or treated mineral and earth manufacturing	<1	1,546	4,204	8,992
Mineral wool manufacturing	<1	1,135	3,647	7,516
Miscellaneous nonmetallic mineral products manufacturing	<1	548	1,490	2,995
Iron and steel mills and ferroalloy manufacturing	<1	2,149	6,032	38,877
Iron, steel pipe and tube manufacturing from purchased steel	<1	702	1,750	9,007
Rolled steel shape manufacturing	<1	310	1,248	4,918
Steel wire drawing	<1	336	752	3,240
Alumina refining and primary aluminum production	<1	161	294	2,082
Secondary smelting and alloying of aluminum	<1	79	174	2,103
Aluminum sheet, plate, and foil manufacturing	<1	677	1,571	4,814
Other aluminum rolling, drawing and extruding	<1	1,624	2,529	13,694
Nonferrous metal (exc aluminum) smelting and refining	<1	189	1,421	4,552
Copper rolling, drawing, extruding and alloying	<1	6,752	15,097	135,717
Nonferrous metal, except copper and aluminum, shaping	<1	581	742	2,638
Secondary processing of other nonferrous metals	<1	11	24	175
Ferrous metal foundries	<1	430	798	2,397
Nonferrous metal foundries	<1	208	298	880
Custom roll forming	<1	319	499	4,333
Crown and closure manufacturing and metal stamping	<1	2,394	3,250	10,361
Iron and steel forging	<1	965	1,378	4,254
Nonferrous forging	<1	744	989	3,252
Cutlery, utensil, pot, and pan manufacturing	<1	184	440	1,405
Handtool manufacturing	<1	1,406	2,422	6,174
Prefabricated metal buildings and components manufacturing	<1	931	1,490	5,997

## Appendix

Fabricated structural metal manufacturing	<1	2,556	4,082	14,952
Plate work manufacturing	<1	625	728	2,318
Metal window and door manufacturing	<1	4,082	5,971	16,421
Sheet metal work manufacturing	<1	6,014	8,626	26,454
Ornamental and architectural metal work manufacturing	<1	2,544	3,203	8,476
Power boiler and heat exchanger manufacturing	<1	357	519	1,529
Metal tank (heavy gauge) manufacturing	<1	708	903	2,673
Metal cans manufacturing	<1	2,512	5,164	28,812
Metal barrels, drums and pails manufacturing	<1	261	358	1,643
Hardware manufacturing	<1	1,370	2,147	7,724
Spring and wire product manufacturing	<1	5,002	6,819	20,487
Machine shops	<1	32,284	39,450	88,112
Turned product and screw, nut, and bolt manufacturing	<1	843	1,127	3,619
Metal heat treating	<1	394	541	1,466
Metal coating and nonprecious engraving	<1	3,259	6,166	16,587
Electroplating, anodizing, and coloring metal	<1	1,482	1,643	4,075
Valve and fittings, other than plumbing, manufacturing	<1	1,870	2,948	8,637
Plumbing fixture fitting and trim manufacturing	<1	74	193	774
Ball and roller bearing manufacturing	<1	23,912	41,518	116,663
Small arms ammunition manufacturing	<1	144	365	1,072
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	9,286	24,220	57,592
Fabricated pipe and pipe fitting manufacturing	<1	238	311	889
Other fabricated metal manufacturing	<1	2,057	2,864	9,346
Farm machinery and equipment manufacturing	<1	909	1,964	5,717
Lawn and garden equipment manufacturing	<1	179	359	1,367
Construction machinery manufacturing	<1	6,954	16,866	53,982
Mining machinery and equipment manufacturing	<1	<1	<1	1

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	<1	26	33	99
Food product machinery manufacturing	<1	33	40	117
Sawmill, woodworking, and paper machinery	<1	52	62	254
Printing machinery and equipment manufacturing	<1	27	30	110
All other industrial machinery manufacturing	<1	224	310	926
Optical instrument and lens manufacturing	<1	28,412	47,893	120,758
Photographic and photocopying equipment manufacturing	<1	14	18	59
Other commercial service industry machinery manufacturing	<1	216	402	1,206
Air purification and ventilation equipment manufacturing	<1	352	493	1,050
Heating equipment (except warm air furnaces) manufacturing	<1	301	537	1,399
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,560	8,994	25,818
Industrial mold manufacturing	<1	77	99	202
Special tool, die, jig, and fixture manufacturing	<1	207	302	585
Cutting tool and machine tool accessory manufacturing	<1	194	237	547
Machine tool manufacturing	<1	74	102	315
Rolling mill and other metalworking machinery manufacturing	<1	29	43	109
Turbine and turbine generator set units manufacturing	<1	28	32	90
Speed changer, industrial high-speed drive, and gear manufacturing	<1	167	263	735
Mechanical power transmission equipment manufacturing	<1	157	252	692
Other engine equipment manufacturing	<1	1,237	3,210	15,331
Pump and pumping equipment manufacturing	<1	73	142	413
Air and gas compressor manufacturing	<1	4	6	19
Elevator and moving stairway manufacturing	<1	47	65	173

## Appendix

Conveyor and conveying equipment manufacturing	<1	51	60	166
Overhead cranes, hoists, and monorail systems manufacturing	<1	3,303	6,576	22,830
Industrial truck, trailer, and stacker manufacturing	<1	240	459	1,555
Power-driven handtool manufacturing	<1	191	655	1,581
Welding and soldering equipment manufacturing	<1	28	47	136
Packaging machinery manufacturing	<1	51	86	218
Industrial process furnace and oven manufacturing	<1	12	15	34
Fluid power cylinder and actuator manufacturing	<1	208	324	872
Fluid power pump and motor manufacturing	<1	131	246	694
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	65	86	222
Electronic computer manufacturing	<1	76	101	477
Computer storage device manufacturing	<1	244	328	887
Computer terminals and other computer peripheral equipment manufacturing	<1	2,519	3,299	9,966
Telephone apparatus manufacturing	<1	20	30	113
Broadcast and wireless communications equipment manufacturing	<1	119,899	151,251	308,796
Other communications equipment manufacturing	<1	73	105	400
Audio and video equipment manufacturing	<1	303	450	2,040
Printed circuit assembly (electronic assembly) manufacturing	<1	457	652	3,399
Bare printed circuit board manufacturing	<1	48	58	247
Semiconductor and related device manufacturing	<1	272	386	1,186
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	328	387	1,187
Electronic connector manufacturing	<1	685	848	3,184
Other electronic component manufacturing	<1	459	538	1,796



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	68	96	319
Search, detection, and navigation instruments manufacturing	<1	3,061	4,870	13,298
Automatic environmental control manufacturing	<1	2,729	3,349	7,611
Industrial process variable instruments manufacturing	<1	374	485	1,527
Totalizing fluid meter and counting device manufacturing	<1	107	184	516
Electricity and signal testing instruments manufacturing	<1	208	239	629
Analytical laboratory instrument manufacturing	<1	40,631	58,480	130,479
Irradiation apparatus manufacturing	<1	20	30	102
Watch, clock, and other measuring and controlling device manufacturing	<1	86	111	444
Blank magnetic and optical recording media manufacturing	<1	335	907	4,265
Software and other prerecorded and record reproducing	<1	847	1,112	2,891
Electric lamp bulb and part manufacturing	<1	81	137	346
Lighting fixture manufacturing	<1	3,887	5,185	13,129
Small electrical appliance manufacturing	<1	173	383	772
Household cooking appliance manufacturing	<1	981	2,615	10,573
Household refrigerator and home freezer manufacturing	<1	1,170	2,870	10,829
Household laundry equipment manufacturing	<1	3,627	6,636	31,664
Other major household appliance manufacturing	<1	460	1,300	4,378
Power, distribution, and specialty transformer manufacturing	<1	353	501	1,108
Motor and generator manufacturing	<1	779	1,486	4,537
Switchgear and switchboard apparatus manufacturing	<1	454	848	2,369
Relay and industrial control manufacturing	<1	728	1,009	2,784
Storage battery manufacturing	<1	7,724	12,967	40,094
Primary battery manufacturing	<1	1,385	12,136	11,308
Fiber optic cable manufacturing	<1	2,043	3,161	12,860

Appendix

Other communication and energy wire manufacturing	<1	573	1,073	4,520
Wiring device manufacturing	<1	691	1,461	4,020
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	23,835	28,189	76,417
Automobile manufacturing	<1	3,658	12,117	52,633
Light truck and utility vehicle manufacturing	<1	881	2,877	17,864
Heavy duty truck manufacturing	<1	9	18	95
Motor vehicle body manufacturing	<1	438	577	2,203
Truck trailer manufacturing	<1	74	95	404
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,373	4,097	23,533
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,166	3,403	15,775
Motor vehicle electrical and electronic equipment manufacturing	<1	15,020	19,228	47,317
Motor vehicle transmission and power train parts manufacturing	<1	6,311	9,166	41,761
Motor vehicle seating and interior trim manufacturing	<1	895	1,061	6,431
Motor vehicle metal stamping	<1	5,689	7,156	29,722
Other motor vehicle parts manufacturing	<1	11,193	15,332	76,801
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	10,167	15,013	66,744
Aircraft manufacturing	<1	371	833	1,690
Aircraft engine and engine parts manufacturing	<1	467	1,656	3,213
Other aircraft parts and auxiliary equipment manufacturing	<1	10,451	17,762	32,396
Guided missile and space vehicle manufacturing	<1	12	28	54
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	25	46	85
Railroad rolling stock manufacturing	<1	10	11	42
Ship building and repairing	<1	12	22	44
Boat building	<1	2,221	4,252	12,060
Motorcycle, bicycle, and parts manufacturing	<1	77	472	922

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	272	955	1,922
All other transportation equipment manufacturing	<1	13,297	40,878	112,787
Wood kitchen cabinet and countertop manufacturing	<1	3,895	4,719	12,593
Upholstered household furniture manufacturing	<1	681	741	2,946
Nonupholstered wood household furniture manufacturing	<1	644	717	2,094
Other household nonupholstered furniture manufacturing	<1	534	790	3,066
Institutional furniture manufacturing	<1	38	41	173
Wood office furniture manufacturing	<1	19	24	72
Custom architectural woodwork and millwork	<1	84	81	249
Office furniture, except wood, manufacturing	<1	195	286	1,124
Showcase, partition, shelving, and locker manufacturing	<1	785	987	3,102
Mattress manufacturing	<1	2,052	3,207	15,351
Blind and shade manufacturing	<1	423	423	1,097
Surgical and medical instrument manufacturing	<1	1,021	1,080	2,269
Surgical appliance and supplies manufacturing	<1	3,694	4,178	11,535
Dental equipment and supplies manufacturing	<1	37	39	110
Ophthalmic goods manufacturing	<1	3,007	3,087	7,271
Dental laboratories	<1	1,760	1,787	3,244
Jewelry and silverware manufacturing	<1	1,709	3,328	9,915
Sporting and athletic goods manufacturing	<1	1,402	1,502	5,618
Doll, toy, and game manufacturing	<1	2,148	2,053	6,774
Office supplies (except paper) manufacturing	<1	2,156	2,268	8,707
Sign manufacturing	<1	3,496	3,159	7,432
Gasket, packing, and sealing device manufacturing	<1	654	673	1,709
Musical instrument manufacturing	<1	50	50	127
Fasteners, buttons, needles, and pins manufacturing	<1	1,860	1,835	4,439

## Appendix

Broom, brush, and mop manufacturing	<1	957	877	3,056
Burial casket manufacturing	<1	168	200	720
All other miscellaneous manufacturing	<1	3,764	4,172	10,821
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	26,858	67,759	137,829
Wholesale - Professional and commercial equipment and supplies	1	130,995	223,297	382,422
Wholesale - Household appliances and electrical and electronic goods	<1	53,780	153,300	306,305
Wholesale - Machinery, equipment, and supplies	<1	62,598	134,892	233,962
Wholesale - Other durable goods merchant wholesalers	1	93,600	195,381	385,296
Wholesale - Drugs and druggists'sundries	<1	50,406	142,299	288,952
Wholesale - Grocery and related product wholesalers	<1	81,222	136,538	267,768
Wholesale - Petroleum and petroleum products	<1	11,215	232,985	272,474
Wholesale - Other nondurable goods merchant wholesalers	2	152,215	397,880	725,095
Wholesale - Wholesale electronic markets and agents and brokers	<1	102,440	120,673	140,613
Retail - Motor vehicle and parts dealers	1	109,730	153,554	217,407
Retail - Furniture and home furnishings stores	<1	52,222	70,497	117,957
Retail - Electronics and appliance stores	<1	60,993	53,208	87,906
Retail - Building material and garden equipment and supplies stores	1	50,739	102,087	149,004
Retail - Food and beverage stores	4	148,675	215,547	361,955
Retail - Health and personal care stores	2	95,384	123,326	191,536
Retail - Gasoline stores	1	48,775	109,610	208,631
Retail - Clothing and clothing accessories stores	2	59,965	107,475	249,387
Retail - Sporting goods, hobby, musical instrument and book stores	1	36,354	48,914	84,207
Retail - General merchandise stores	4	146,678	232,233	386,622
Retail - Miscellaneous store retailers	3	91,989	94,315	160,478
Retail - Nonstore retailers	3	63,515	452,793	753,323
Air transportation	1	139,175	306,778	574,886

Appendix

Rail transportation	<1	32,373	83,190	142,376
Water transportation	<1	3,669	6,129	36,880
Truck transportation	3	199,838	301,251	704,277
Transit and ground passenger transportation	3	25,579	32,314	88,595
Pipeline transportation	<1	33,913	57,207	83,899
Scenic and sightseeing transportation and support activities for transportation	3	194,858	168,743	268,201
Couriers and messengers	3	81,278	186,079	221,293
Warehousing and storage	3	170,606	184,889	348,486
Newspaper publishers	<1	26,412	38,100	48,713
Periodical publishers	<1	11,414	14,608	25,195
Book publishers	<1	5,933	12,746	27,194
Directory, mailing list, and other publishers	<1	8,447	16,819	29,856
Greeting card publishing	0	0	0	0
Software publishers	2	389,034	654,237	888,851
Motion picture and video industries	<1	76,293	133,124	233,533
Sound recording industries	<1	3,492	28,417	46,354
Radio and television broadcasting	<1	291,279	388,985	609,409
Cable and other subscription programming	<1	26,937	126,645	267,466
Wired telecommunications carriers	<1	134,057	209,171	321,066
Wireless telecommunications carriers (except satellite)	<1	36,911	183,965	384,182
Satellite, telecommunications resellers, and all other telecommunications	<1	63,119	65,366	102,759
Data processing, hosting, and related services	1	197,513	360,452	896,819
News syndicates, libraries, archives and all other information services	<1	13,190	18,858	43,893
Internet publishing and broadcasting and web search portals	<1	81,296	181,406	721,650
Nondepository credit intermediation and related activities	1	180,030	194,128	294,374
Securities and commodity contracts intermediation and brokerage	2	171,552	116,423	272,563
Monetary authorities and depository credit intermediation	3	327,841	2,031,358	2,331,688

## Appendix

Other financial investment activities	3	220,265	236,182	632,811
Direct life insurance carriers	<1	60,522	129,651	187,616
Insurance carriers, except direct life	1	131,864	439,286	924,190
Insurance agencies, brokerages, and related activities	2	219,391	350,147	780,794
Funds, trusts, and other financial vehicles	1	29,356	47,950	226,766
Other real estate	21	358,369	1,615,403	4,187,760
Tenant-occupied housing	2	24,192	509,507	548,824
Owner-occupied dwellings	0	0	2,120,393	2,558,964
Automotive equipment rental and leasing	<1	135,170	207,145	239,078
General and consumer goods rental except video tapes and discs	<1	66,362	84,017	102,560
Video tape and disc rental	<1	12,455	19,205	28,771
Commercial and industrial machinery and equipment rental and leasing	<1	113,908	169,998	196,640
Lessors of nonfinancial intangible assets	<1	7,334	168,406	182,821
Legal services	7	678,775	1,109,310	1,543,215
Accounting, tax preparation, bookkeeping, and payroll services	3	294,280	346,914	537,546
Architectural, engineering, and related services	3	256,888	274,047	497,296
Specialized design services	<1	27,892	41,082	77,778
Custom computer programming services	1	157,586	162,849	224,822
Computer systems design services	1	133,091	126,085	162,841
Other computer related services, including facilities management	<1	78,056	102,736	199,416
Management consulting services	11	1,191,286	1,218,357	1,906,211
Environmental and other technical consulting services	<1	68,777	74,182	120,031
Scientific research and development services	96	9,557,770	12,449,970	24,057,992
Advertising, public relations, and related services	3	352,916	493,097	978,469
Photographic services	<1	8,110	16,766	39,181
Veterinary services	<1	20,734	22,548	36,844
Marketing research and all other miscellaneous professional, scientific, and technical services	3	233,195	346,621	790,511
Management of companies and enterprises	9	1,452,583	1,497,305	2,314,126

## Appendix

Office administrative services	3	171,329	56,538	193,571
Facilities support services	<1	19,022	25,497	74,948
Employment services	17	779,420	1,061,099	1,864,828
Business support services	3	145,237	122,220	218,768
Travel arrangement and reservation services	<1	30,347	47,454	176,744
Investigation and security services	2	84,788	86,095	133,742
Services to buildings	3	127,096	175,192	375,998
Landscape and horticultural services	2	84,483	102,139	202,906
Other support services	<1	38,054	48,345	112,470
Waste management and remediation services	<1	57,842	87,105	196,500
Elementary and secondary schools	2	89,410	74,435	92,319
Junior colleges, colleges, universities, and professional schools	19	1,243,054	1,565,724	1,992,540
Other educational services	3	122,137	136,321	261,199
Offices of physicians	7	676,361	679,601	1,011,271
Offices of dentists	2	108,864	136,256	183,103
Offices of other health practitioners	1	78,562	130,495	162,812
Outpatient care centers	1	97,772	96,838	150,117
Medical and diagnostic laboratories	<1	37,400	67,405	92,479
Home health care services	2	97,221	96,922	128,099
Other ambulatory health care services	<1	33,931	41,757	65,690
Hospitals	8	727,822	843,673	1,576,884
Nursing and community care facilities	2	81,419	89,397	151,674
Residential mental retardation, mental health, substance abuse and other facilities	<1	20,952	21,480	32,660
Individual and family services	3	86,159	73,733	107,844
Child day care services	2	53,238	73,799	105,221
Community food, housing, and other relief services, including rehabilitation services	<1	23,734	22,243	52,131
Performing arts companies	<1	12,636	27,152	50,188
Commercial Sports Except Racing	2	60,094	58,593	104,546
Racing and Track Operation	<1	3,009	5,179	8,790
Independent artists, writers, and performers	<1	9,972	39,399	58,519

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	13,771	46,818	101,377
Museums, historical sites, zoos, and parks	<1	5,171	6,460	11,741
Amusement parks and arcades	<1	3,104	5,255	6,859
Gambling industries (except casino hotels)	<1	23,403	68,910	96,447
Other amusement and recreation industries	1	31,721	31,953	46,845
Fitness and recreational sports centers	<1	15,249	18,080	30,779
Bowling centers	<1	3,292	4,533	7,718
Hotels and motels, including casino hotels	1	46,571	90,695	135,613
Other accommodations	<1	15,214	19,205	24,125
Full-service restaurants	10	296,648	447,486	871,580
Limited-service restaurants	8	214,754	336,323	816,612
All other food and drinking places	5	178,630	256,058	402,761
Automotive repair and maintenance, except car washes	3	172,970	203,859	314,674
Car washes	2	101,608	146,652	218,529
Electronic and precision equipment repair and maintenance	1	66,723	94,594	161,394
Commercial and industrial machinery and equipment repair and maintenance	1	73,957	93,791	149,121
Personal and household goods repair and maintenance	<1	19,759	43,064	62,464
Personal care services	2	53,792	39,489	51,042
Death care services	<1	16,550	13,165	20,276
Dry-cleaning and laundry services	1	32,287	24,126	33,610
Other personal services	2	49,223	60,318	97,509
Religious organizations	1	79,611	48,426	130,551
Grantmaking, giving, and social advocacy organizations	<1	22,650	75,717	105,967
Business and professional associations	<1	36,948	62,227	100,835
Labor and civic organizations	<1	23,264	73,647	116,850
Private households	1	25,602	25,602	25,602
Postal service	<1	89,439	89,799	89,833
Federal electric utilities	<1	48	109	374
Other federal government enterprises	<1	5,889	8,037	29,622
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	98,957	133,686	259,970
Local government passenger transit	<1	35,146	14,871	29,135
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	421	733	2,010
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	28	3,970,673	7,055,436	12,722,897

## Moon to Mars Campaign

**Table 656: Detailed M2M Campaign Impacts by Types of Impact, Georgia**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>81</i>	<i>6,501,304</i>	<i>10,166,085</i>	<i>18,142,245</i>
Oilseed farming	<1	1,197	4,605	5,675
Grain farming	<1	2,387	9,124	15,365
Vegetable and melon farming	<1	2,114	5,145	7,253
Fruit farming	<1	657	1,413	1,523
Tree nut farming	<1	507	1,197	1,408
Greenhouse, nursery, and floriculture production	<1	520	1,453	2,473
Tobacco farming	<1	79	163	308

## Appendix

Cotton farming	<1	323	869	1,420
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,095	2,660	4,538
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,094	3,715	5,576
Dairy cattle and milk production	<1	302	852	2,829
Poultry and egg production	<1	1,133	3,548	34,730
Animal production, except cattle and poultry and eggs	<1	1,766	5,992	6,549
Forestry, forest products, and timber tract production	<1	316	353	481
Commercial logging	<1	1,288	1,416	2,209
Commercial fishing	<1	8	199	199
Commercial hunting and trapping	<1	167	369	480
Support activities for agriculture and forestry	<1	6,386	6,636	7,410
Oil and gas extraction	<1	-156	6	12,437
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	5	16	28
Other metal ore mining	<1	3	6	9
Stone mining and quarrying	<1	723	2,258	3,399
Sand and gravel mining	<1	842	1,363	2,050
Other clay, ceramic, refractory minerals mining	<1	192	346	558
Potash, soda, and borate mineral mining	<1	29	42	69
Phosphate rock mining	<1	12	20	35
Other chemical and fertilizer mineral mining	<1	7	10	18
Other nonmetallic minerals	<1	63	106	183
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	4
Metal mining services	<1	-1	<1	150
Other nonmetallic minerals services	<1	<1	2	24
Electric power generation - Hydroelectric	<1	102	260	463

## Appendix

Electric power generation - Fossil fuel	<1	529	2,014	4,384
Electric power generation - Nuclear	<1	11,688	25,620	47,660
Electric power generation - Solar	<1	105	286	553
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	141	457	1,106
Electric power generation - All other	<1	118	15	72
Electric power transmission and distribution	<1	22,940	86,983	189,275
Natural gas distribution	<1	8,242	30,972	54,995
Water, sewage and other systems	<1	1,930	4,248	7,212
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	13,325	26,070	57,367
Maintenance and repair construction of residential structures	<1	6,051	10,561	23,378
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	11	24
Dog and cat food manufacturing	<1	1,212	5,539	13,310
Other animal food manufacturing	<1	663	1,860	11,313
Flour milling	<1	185	638	3,056

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	31	91	384
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	192	2,480	12,554
Fats and oils refining and blending	<1	120	577	2,952
Breakfast cereal manufacturing	<1	1,672	7,135	15,666
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	192	1,045	2,580
Nonchocolate confectionery manufacturing	<1	903	1,725	5,076
Chocolate and confectionery manufacturing from cacao beans	<1	79	171	534
Confectionery manufacturing from purchased chocolate	<1	226	478	1,873
Frozen fruits, juices and vegetables manufacturing	<1	90	326	926
Frozen specialties manufacturing	<1	275	503	1,992
Canned fruits and vegetables manufacturing	<1	266	848	2,430
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	43	123	370
Cheese manufacturing	<1	152	295	2,692
Dry, condensed, and evaporated dairy product manufacturing	<1	72	306	1,475
Fluid milk manufacturing	<1	27	68	286
Creamery butter manufacturing	<1	150	961	3,894
Ice cream and frozen dessert manufacturing	<1	204	415	1,390
Frozen cakes and other pastries manufacturing	<1	1,474	2,311	4,317
Poultry processing	<1	7,457	11,618	51,052
Animal, except poultry, slaughtering	<1	1,822	2,689	21,234
Meat processed from carcasses	<1	3,301	3,428	24,963
Rendering and meat byproduct processing	<1	100	138	700
Seafood product preparation and packaging	<1	867	1,764	5,983
Bread and bakery product, except frozen, manufacturing	<1	5,987	11,490	21,782
Cookie and cracker manufacturing	<1	1,273	2,604	6,157
Dry pasta, mixes, and dough manufacturing	<1	365	1,483	3,822
Tortilla manufacturing	<1	505	862	2,366

## Appendix

Roasted nuts and peanut butter manufacturing	<1	561	3,156	6,480
Other snack food manufacturing	<1	1,188	5,606	12,654
Coffee and tea manufacturing	<1	461	1,372	3,467
Flavoring syrup and concentrate manufacturing	<1	1,683	28,131	31,090
Mayonnaise, dressing, and sauce manufacturing	<1	271	819	2,474
Spice and extract manufacturing	<1	835	2,097	5,992
All other food manufacturing	<1	1,164	2,290	9,926
Bottled and canned soft drinks & water	<1	2,117	5,839	19,213
Manufactured ice	<1	112	117	394
Breweries	<1	2,341	7,194	14,335
Wineries	<1	396	1,093	3,385
Distilleries	<1	92	685	1,332
Tobacco product manufacturing	<1	121	6,810	7,919
Fiber, yarn, and thread mills	<1	3,109	4,188	16,764
Broadwoven fabric mills	<1	860	1,305	4,580
Narrow fabric mills and schiffli machine embroidery	<1	8	9	24
Nonwoven fabric mills	<1	2,517	4,461	12,144
Knit fabric mills	<1	21	31	82
Textile and fabric finishing mills	<1	431	584	1,942
Fabric coating mills	<1	18	23	100
Carpet and rug mills	<1	1,052	1,640	4,515
Curtain and linen mills	<1	276	366	1,185
Textile bag and canvas mills	<1	196	279	708
Rope, cordage, twine, tire cord and tire fabric mills	<1	191	324	798
Other textile product mills	<1	461	571	1,304
Hosiery and sock mills	<1	10	19	43
Other apparel knitting mills	<1	14	25	63
Cut and sew apparel contractors	<1	74	80	205
Men's and boys' cut and sew apparel manufacturing	<1	180	151	603
Women's and girls' cut and sew apparel manufacturing	<1	205	72	1,134
Other cut and sew apparel manufacturing	<1	120	89	482
Apparel accessories and other apparel manufacturing	<1	41	40	158
Leather and hide tanning and finishing	<1	7	5	41
Footwear manufacturing	<1	75	72	238
Other leather and allied product manufacturing	<1	29	27	64

## Appendix

Sawmills	<1	1,367	3,188	9,276
Wood preservation	<1	82	346	1,061
Veneer and plywood manufacturing	<1	590	1,184	2,857
Engineered wood member and truss manufacturing	<1	326	707	1,846
Reconstituted wood product manufacturing	<1	78	365	920
Wood windows and door manufacturing	<1	2,068	3,386	7,740
Cut stock, resawing lumber, and planing	<1	94	250	690
Other millwork, including flooring	<1	588	1,228	3,216
Wood container and pallet manufacturing	<1	850	1,428	3,320
Manufactured home (mobile home) manufacturing	<1	<1	1	5
Prefabricated wood building manufacturing	<1	74	173	430
All other miscellaneous wood product manufacturing	<1	268	455	1,225
Pulp mills	<1	92	135	440
Paper mills	<1	3,218	6,229	19,076
Paperboard mills	<1	2,513	4,735	13,905
Paperboard container manufacturing	<1	4,968	7,495	24,771
Paper bag and coated and treated paper manufacturing	<1	2,832	4,236	13,103
Stationery product manufacturing	<1	406	499	1,531
Sanitary paper product manufacturing	<1	1,561	4,073	11,149
All other converted paper product manufacturing	<1	228	370	1,054
Printing	<1	11,457	18,378	35,620
Support activities for printing	<1	893	1,430	2,387
Petroleum refineries	<1	230	3,279	22,498
Asphalt paving mixture and block manufacturing	<1	119	210	925
Asphalt shingle and coating materials manufacturing	<1	187	1,025	2,099
Petroleum lubricating oil and grease manufacturing	<1	240	879	2,090
All other petroleum and coal products manufacturing	<1	93	389	899
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	155	472	1,690

## Appendix

Synthetic dye and pigment manufacturing	<1	284	567	2,022
Other basic inorganic chemical manufacturing	<1	654	1,493	4,465
Other basic organic chemical manufacturing	<1	308	778	6,189
Plastics material and resin manufacturing	<1	666	1,274	8,688
Synthetic rubber manufacturing	<1	61	92	551
Artificial and synthetic fibers and filaments manufacturing	<1	1,483	2,266	14,269
Nitrogenous fertilizer manufacturing	<1	243	870	2,598
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	54	113	410
Pesticide and other agricultural chemical manufacturing	<1	402	1,491	8,827
Medicinal and botanical manufacturing	<1	329	503	1,653
Pharmaceutical preparation manufacturing	<1	1,886	4,913	12,420
In-vitro diagnostic substance manufacturing	<1	62	87	261
Biological product (except diagnostic) manufacturing	<1	201	536	1,364
Paint and coating manufacturing	<1	797	1,666	7,833
Adhesive manufacturing	<1	505	822	3,615
Soap and other detergent manufacturing	<1	1,455	4,002	13,517
Polish and other sanitation good manufacturing	<1	2,015	3,344	9,818
Surface active agent manufacturing	<1	209	823	2,292
Toilet preparation manufacturing	<1	559	1,609	4,665
Printing ink manufacturing	<1	197	217	999
Explosives manufacturing	<1	2	3	14
Custom compounding of purchased resins	<1	271	522	1,950
Photographic film and chemical manufacturing	<1	1,636	3,544	11,737
Other miscellaneous chemical product manufacturing	<1	1,092	1,770	7,384
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,182	2,259	7,651
Unlaminated plastics profile shape manufacturing	<1	375	1,075	2,866
Plastics pipe and pipe fitting manufacturing	<1	185	698	2,177

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	131	265	737
Polystyrene foam product manufacturing	<1	1,095	2,376	7,228
Urethane and other foam product (except polystyrene) manufacturing	<1	358	750	2,851
Plastics bottle manufacturing	<1	809	1,484	6,105
Other plastics product manufacturing	<1	5,196	9,143	26,017
Tire manufacturing	<1	1,997	2,878	10,334
Rubber and plastics hoses and belting manufacturing	<1	202	379	1,283
Other rubber product manufacturing	<1	1,484	2,079	7,587
Pottery, ceramics, and plumbing fixture manufacturing	<1	199	351	695
Brick, tile, and other structural clay product manufacturing	<1	241	447	996
Flat glass manufacturing	<1	201	442	945
Other pressed and blown glass and glassware manufacturing	<1	181	337	734
Glass container manufacturing	<1	297	535	1,484
Glass product manufacturing made of purchased glass	<1	402	803	1,972
Cement manufacturing	<1	201	521	1,462
Ready-mix concrete manufacturing	<1	922	1,641	5,349
Concrete block and brick manufacturing	<1	157	307	805
Concrete pipe manufacturing	<1	8	15	41
Other concrete product manufacturing	<1	511	820	1,954
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	315	1,047	2,581
Abrasive product manufacturing	<1	67	164	274
Cut stone and stone product manufacturing	<1	423	585	1,336
Ground or treated mineral and earth manufacturing	<1	212	550	1,218
Mineral wool manufacturing	<1	238	717	1,481
Miscellaneous nonmetallic mineral products manufacturing	<1	124	318	639
Iron and steel mills and ferroalloy manufacturing	<1	278	807	5,091
Iron, steel pipe and tube manufacturing from purchased steel	<1	101	254	1,292



## Appendix

Rolled steel shape manufacturing	<1	39	162	642
Steel wire drawing	<1	41	93	404
Alumina refining and primary aluminum production	<1	30	55	393
Secondary smelting and alloying of aluminum	<1	13	29	347
Aluminum sheet, plate, and foil manufacturing	<1	116	282	863
Other aluminum rolling, drawing and extruding	<1	280	433	2,345
Nonferrous metal (exc aluminum) smelting and refining	<1	29	211	689
Copper rolling, drawing, extruding and alloying	<1	1,098	2,488	21,829
Nonferrous metal, except copper and aluminum, shaping	<1	76	97	345
Secondary processing of other nonferrous metals	<1	2	4	27
Ferrous metal foundries	<1	73	142	428
Nonferrous metal foundries	<1	41	60	175
Custom roll forming	<1	56	87	762
Crown and closure manufacturing and metal stamping	<1	441	599	1,895
Iron and steel forging	<1	75	107	332
Nonferrous forging	<1	65	86	282
Cutlery, utensil, pot, and pan manufacturing	<1	38	88	279
Handtool manufacturing	<1	307	532	1,343
Prefabricated metal buildings and components manufacturing	<1	214	329	1,358
Fabricated structural metal manufacturing	<1	449	713	2,621
Plate work manufacturing	<1	154	179	569
Metal window and door manufacturing	<1	970	1,417	3,849
Sheet metal work manufacturing	<1	1,063	1,507	4,562
Ornamental and architectural metal work manufacturing	<1	509	634	1,665
Power boiler and heat exchanger manufacturing	<1	55	80	238
Metal tank (heavy gauge) manufacturing	<1	174	222	637
Metal cans manufacturing	<1	337	679	3,698
Metal barrels, drums and pails manufacturing	<1	16	23	106
Hardware manufacturing	<1	255	393	1,408
Spring and wire product manufacturing	<1	171	233	693

## Appendix

Machine shops	<1	11,451	14,043	31,403
Turned product and screw, nut, and bolt manufacturing	<1	119	159	509
Metal heat treating	<1	55	75	204
Metal coating and nonprecious engraving	<1	401	756	2,036
Electroplating, anodizing, and coloring metal	<1	222	246	609
Valve and fittings, other than plumbing, manufacturing	<1	265	417	1,227
Plumbing fixture fitting and trim manufacturing	<1	16	40	167
Ball and roller bearing manufacturing	<1	303	521	1,485
Small arms ammunition manufacturing	<1	28	73	208
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	808	1,813	4,427
Fabricated pipe and pipe fitting manufacturing	<1	42	54	158
Other fabricated metal manufacturing	<1	394	545	1,756
Farm machinery and equipment manufacturing	<1	167	383	1,053
Lawn and garden equipment manufacturing	<1	34	69	254
Construction machinery manufacturing	<1	89	264	667
Mining machinery and equipment manufacturing	<1	0	0	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	5	7	20
Food product machinery manufacturing	<1	7	8	24
Sawmill, woodworking, and paper machinery	<1	10	12	49
Printing machinery and equipment manufacturing	<1	5	5	20
All other industrial machinery manufacturing	<1	22	30	92
Optical instrument and lens manufacturing	<1	6,695	11,304	28,456
Photographic and photocopying equipment manufacturing	<1	3	3	11
Other commercial service industry machinery manufacturing	<1	55	104	302

## Appendix

Air purification and ventilation equipment manufacturing	<1	52	74	154
Heating equipment (except warm air furnaces) manufacturing	<1	82	150	369
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	951	1,888	5,307
Industrial mold manufacturing	<1	18	24	48
Special tool, die, jig, and fixture manufacturing	<1	24	35	67
Cutting tool and machine tool accessory manufacturing	<1	32	40	92
Machine tool manufacturing	<1	12	17	51
Rolling mill and other metalworking machinery manufacturing	<1	3	5	12
Turbine and turbine generator set units manufacturing	<1	4	5	13
Speed changer, industrial high-speed drive, and gear manufacturing	<1	30	46	127
Mechanical power transmission equipment manufacturing	<1	30	47	130
Other engine equipment manufacturing	<1	174	466	2,144
Pump and pumping equipment manufacturing	<1	17	34	97
Air and gas compressor manufacturing	<1	<1	1	4
Elevator and moving stairway manufacturing	<1	12	16	43
Conveyor and conveying equipment manufacturing	<1	8	9	26
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	2
Industrial truck, trailer, and stacker manufacturing	<1	43	83	278
Power-driven handtool manufacturing	<1	59	191	464
Welding and soldering equipment manufacturing	<1	5	9	24
Packaging machinery manufacturing	<1	11	18	45
Industrial process furnace and oven manufacturing	<1	3	5	10
Fluid power cylinder and actuator manufacturing	<1	26	41	110
Fluid power pump and motor manufacturing	<1	14	26	74

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	11	15	39
Electronic computer manufacturing	<1	15	20	90
Computer storage device manufacturing	<1	45	63	165
Computer terminals and other computer peripheral equipment manufacturing	<1	496	660	1,957
Telephone apparatus manufacturing	<1	3	5	19
Broadcast and wireless communications equipment manufacturing	<1	19	24	61
Other communications equipment manufacturing	<1	14	21	81
Audio and video equipment manufacturing	<1	73	109	467
Printed circuit assembly (electronic assembly) manufacturing	<1	59	84	443
Bare printed circuit board manufacturing	<1	6	8	32
Semiconductor and related device manufacturing	<1	30	43	134
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	53	63	192
Electronic connector manufacturing	<1	125	156	585
Other electronic component manufacturing	<1	53	62	204
Electromedical and electrotherapeutic apparatus manufacturing	<1	15	21	68
Search, detection, and navigation instruments manufacturing	<1	<1	<1	3
Automatic environmental control manufacturing	<1	632	778	1,748
Industrial process variable instruments manufacturing	<1	42	55	173
Totalizing fluid meter and counting device manufacturing	<1	10	18	49
Electricity and signal testing instruments manufacturing	<1	48	56	143
Analytical laboratory instrument manufacturing	<1	8,716	12,696	27,848
Irradiation apparatus manufacturing	<1	4	7	22

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	20	26	97
Blank magnetic and optical recording media manufacturing	<1	95	245	1,126
Software and other prerecorded and record reproducing	<1	194	255	640
Electric lamp bulb and part manufacturing	<1	18	30	75
Lighting fixture manufacturing	<1	1,036	1,393	3,391
Small electrical appliance manufacturing	<1	36	80	163
Household cooking appliance manufacturing	<1	168	471	1,817
Household refrigerator and home freezer manufacturing	<1	202	519	1,874
Household laundry equipment manufacturing	<1	623	1,179	5,424
Other major household appliance manufacturing	<1	93	280	897
Power, distribution, and specialty transformer manufacturing	<1	59	83	184
Motor and generator manufacturing	<1	142	270	823
Switchgear and switchboard apparatus manufacturing	<1	89	167	460
Relay and industrial control manufacturing	<1	112	154	422
Storage battery manufacturing	<1	1,610	2,670	8,129
Primary battery manufacturing	<1	313	3,060	2,557
Fiber optic cable manufacturing	<1	453	692	2,758
Other communication and energy wire manufacturing	<1	94	180	741
Wiring device manufacturing	<1	122	263	715
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	9
Automobile manufacturing	<1	669	2,168	9,168
Light truck and utility vehicle manufacturing	<1	158	509	3,040
Heavy duty truck manufacturing	<1	1	2	12
Motor vehicle body manufacturing	<1	72	94	372
Truck trailer manufacturing	<1	8	10	41
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	526	635	3,656

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	366	576	2,662
Motor vehicle electrical and electronic equipment manufacturing	<1	2,471	3,193	7,539
Motor vehicle transmission and power train parts manufacturing	<1	1,316	1,875	8,256
Motor vehicle seating and interior trim manufacturing	<1	129	155	921
Motor vehicle metal stamping	<1	813	1,045	4,259
Other motor vehicle parts manufacturing	<1	1,843	2,488	12,540
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,672	2,508	11,143
Aircraft manufacturing	<1	43	90	190
Aircraft engine and engine parts manufacturing	<1	69	243	470
Other aircraft parts and auxiliary equipment manufacturing	<1	67	112	218
Guided missile and space vehicle manufacturing	<1	2	5	9
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	3	5	9
Railroad rolling stock manufacturing	<1	2	3	10
Ship building and repairing	<1	3	4	9
Boat building	<1	358	674	1,927
Motorcycle, bicycle, and parts manufacturing	<1	12	68	137
Military armored vehicle, tank, and tank component manufacturing	<1	55	181	356
All other transportation equipment manufacturing	<1	1,955	5,775	16,110
Wood kitchen cabinet and countertop manufacturing	<1	719	852	2,272
Upholstered household furniture manufacturing	<1	148	162	648
Nonupholstered wood household furniture manufacturing	<1	127	141	404
Other household nonupholstered furniture manufacturing	<1	103	151	571
Institutional furniture manufacturing	<1	9	10	40
Wood office furniture manufacturing	<1	4	5	15

## Appendix

Custom architectural woodwork and millwork	<1	18	17	53
Office furniture, except wood, manufacturing	<1	45	62	251
Showcase, partition, shelving, and locker manufacturing	<1	144	176	553
Mattress manufacturing	<1	385	595	2,864
Blind and shade manufacturing	<1	69	69	186
Surgical and medical instrument manufacturing	<1	199	209	432
Surgical appliance and supplies manufacturing	<1	761	858	2,331
Dental equipment and supplies manufacturing	<1	8	8	23
Ophthalmic goods manufacturing	<1	587	604	1,424
Dental laboratories	<1	361	367	664
Jewelry and silverware manufacturing	<1	322	630	1,865
Sporting and athletic goods manufacturing	<1	254	270	989
Doll, toy, and game manufacturing	<1	426	418	1,328
Office supplies (except paper) manufacturing	<1	470	498	1,842
Sign manufacturing	<1	622	565	1,311
Gasket, packing, and sealing device manufacturing	<1	117	120	302
Musical instrument manufacturing	<1	13	13	33
Fasteners, buttons, needles, and pins manufacturing	<1	396	399	985
Broom, brush, and mop manufacturing	<1	265	264	855
Burial casket manufacturing	<1	23	27	94
All other miscellaneous manufacturing	<1	697	763	1,967
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,040	12,833	26,170
Wholesale - Professional and commercial equipment and supplies	<1	23,041	39,544	67,314
Wholesale - Household appliances and electrical and electronic goods	<1	7,123	20,354	40,826
Wholesale - Machinery, equipment, and supplies	<1	9,844	21,293	36,905
Wholesale - Other durable goods merchant wholesalers	<1	16,669	34,969	68,988

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	9,597	27,152	54,480
Wholesale - Grocery and related product wholesalers	<1	15,317	25,729	50,460
Wholesale - Petroleum and petroleum products	<1	1,655	40,486	46,253
Wholesale - Other nondurable goods merchant wholesalers	<1	25,029	67,798	121,417
Wholesale - Wholesale electronic markets and agents and brokers	<1	18,781	22,062	25,655
Retail - Motor vehicle and parts dealers	<1	20,103	28,170	39,736
Retail - Furniture and home furnishings stores	<1	9,720	13,157	21,930
Retail - Electronics and appliance stores	<1	11,456	10,034	16,317
Retail - Building material and garden equipment and supplies stores	<1	9,396	18,912	27,488
Retail - Food and beverage stores	<1	28,679	41,587	69,610
Retail - Health and personal care stores	<1	17,901	23,200	35,783
Retail - Gasoline stores	<1	9,078	20,019	37,443
Retail - Clothing and clothing accessories stores	<1	11,415	20,347	46,639
Retail - Sporting goods, hobby, musical instrument and book stores	<1	6,801	9,149	15,636
Retail - General merchandise stores	<1	26,918	42,734	70,684
Retail - Miscellaneous store retailers	<1	17,004	17,503	29,502
Retail - Nonstore retailers	<1	11,634	84,918	141,273
Air transportation	<1	25,673	56,782	105,689
Rail transportation	<1	4,769	10,943	19,871
Water transportation	<1	705	1,215	6,904
Truck transportation	<1	33,472	50,293	117,014
Transit and ground passenger transportation	<1	6,101	7,677	20,229
Pipeline transportation	<1	3,238	6,464	9,796
Scenic and sightseeing transportation and support activities for transportation	<1	38,637	33,058	52,353
Couriers and messengers	<1	15,982	36,215	43,003
Warehousing and storage	<1	31,171	33,921	63,616
Newspaper publishers	<1	5,466	8,521	10,398
Periodical publishers	<1	2,789	4,021	6,355
Book publishers	<1	1,274	3,074	6,186



## Appendix

Directory, mailing list, and other publishers	<1	1,538	3,243	5,731
Greeting card publishing	0	0	0	0
Software publishers	<1	55,701	97,946	133,346
Motion picture and video industries	<1	15,522	27,129	45,810
Sound recording industries	<1	687	5,628	8,874
Radio and television broadcasting	<1	58,557	78,774	115,454
Cable and other subscription programming	<1	5,747	28,021	56,120
Wired telecommunications carriers	<1	24,287	39,475	59,628
Wireless telecommunications carriers (except satellite)	<1	6,632	37,089	73,586
Satellite, telecommunications resellers, and all other telecommunications	<1	11,702	11,984	19,041
Data processing, hosting, and related services	<1	38,199	69,371	170,948
News syndicates, libraries, archives and all other information services	<1	2,819	4,053	9,202
Internet publishing and broadcasting and web search portals	<1	17,605	39,151	157,854
Nondepository credit intermediation and related activities	<1	34,843	37,662	56,034
Securities and commodity contracts intermediation and brokerage	<1	35,051	23,073	50,369
Monetary authorities and depository credit intermediation	<1	58,480	385,064	427,412
Other financial investment activities	<1	48,960	52,203	128,917
Direct life insurance carriers	<1	10,548	22,956	32,882
Insurance carriers, except direct life	<1	24,713	82,972	170,774
Insurance agencies, brokerages, and related activities	<1	37,932	60,403	133,768
Funds, trusts, and other financial vehicles	<1	6,101	10,531	43,881
Other real estate	4	78,545	346,390	868,938
Tenant-occupied housing	<1	4,544	100,060	107,205
Owner-occupied dwellings	0	0	402,696	485,987
Automotive equipment rental and leasing	<1	24,872	39,398	44,500

## Appendix

General and consumer goods rental except video tapes and discs	<1	12,810	16,261	19,612
Video tape and disc rental	<1	2,258	3,511	5,270
Commercial and industrial machinery and equipment rental and leasing	<1	26,028	38,923	45,053
Lessors of nonfinancial intangible assets	<1	1,251	31,000	33,537
Legal services	1	132,655	222,640	305,302
Accounting, tax preparation, bookkeeping, and payroll services	<1	55,431	66,279	100,933
Architectural, engineering, and related services	<1	50,768	54,534	98,132
Specialized design services	<1	5,313	7,952	14,668
Custom computer programming services	<1	22,310	22,967	31,741
Computer systems design services	<1	25,319	23,985	30,777
Other computer related services, including facilities management	<1	16,240	21,266	41,109
Management consulting services	2	186,320	190,924	292,894
Environmental and other technical consulting services	<1	14,246	15,477	24,689
Scientific research and development services	20	2,101,859	2,732,859	5,149,568
Advertising, public relations, and related services	<1	63,189	88,794	172,216
Photographic services	<1	1,373	2,968	6,700
Veterinary services	<1	3,944	4,322	6,974
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	39,955	58,803	135,664
Management of companies and enterprises	2	270,429	280,450	428,059
Office administrative services	<1	39,843	14,125	44,712
Facilities support services	<1	3,438	4,702	13,303
Employment services	3	163,808	227,555	385,276
Business support services	<1	25,690	21,956	38,024
Travel arrangement and reservation services	<1	6,237	9,886	35,193
Investigation and security services	<1	16,369	16,648	25,424
Services to buildings	<1	24,247	34,105	70,909
Landscape and horticultural services	<1	16,159	19,771	38,351
Other support services	<1	7,015	9,004	20,540
Waste management and remediation services	<1	9,165	13,773	30,938

## Appendix

Elementary and secondary schools	<1	19,681	16,345	20,096
Junior colleges, colleges, universities, and professional schools	7	464,738	582,263	750,820
Other educational services	<1	10,678	11,965	22,746
Offices of physicians	1	127,483	128,355	190,674
Offices of dentists	<1	20,471	26,008	34,717
Offices of other health practitioners	<1	14,265	24,421	30,226
Outpatient care centers	<1	18,814	18,694	29,150
Medical and diagnostic laboratories	<1	7,176	13,345	18,034
Home health care services	<1	19,118	19,109	25,379
Other ambulatory health care services	<1	6,395	7,976	12,469
Hospitals	2	151,688	176,983	331,545
Nursing and community care facilities	<1	16,441	18,069	30,243
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,587	4,706	7,073
Individual and family services	<1	17,540	15,144	21,954
Child day care services	<1	10,562	15,015	21,181
Community food, housing, and other relief services, including rehabilitation services	<1	5,179	4,869	11,206
Performing arts companies	<1	2,604	5,578	9,852
Commercial Sports Except Racing	<1	11,545	11,827	20,735
Racing and Track Operation	<1	639	1,074	1,758
Independent artists, writers, and performers	<1	2,052	7,934	11,571
Promoters of performing arts and sports and agents for public figures	<1	2,876	9,552	19,659
Museums, historical sites, zoos, and parks	<1	1,056	1,320	2,350
Amusement parks and arcades	<1	652	1,086	1,413
Gambling industries (except casino hotels)	<1	4,542	13,506	18,763
Other amusement and recreation industries	<1	6,065	6,123	8,869
Fitness and recreational sports centers	<1	3,121	3,691	6,166
Bowling centers	<1	620	858	1,444
Hotels and motels, including casino hotels	<1	9,813	18,714	27,935
Other accommodations	<1	3,377	4,247	5,297

## Appendix

Full-service restaurants	2	56,729	85,233	165,190
Limited-service restaurants	2	41,104	64,012	153,428
All other food and drinking places	<1	35,645	50,524	78,483
Automotive repair and maintenance, except car washes	<1	32,729	37,660	58,066
Car washes	<1	18,770	27,015	40,139
Electronic and precision equipment repair and maintenance	<1	8,396	12,063	20,302
Commercial and industrial machinery and equipment repair and maintenance	<1	11,760	14,811	23,363
Personal and household goods repair and maintenance	<1	3,893	8,007	11,711
Personal care services	<1	10,224	6,890	9,051
Death care services	<1	3,425	2,525	3,936
Dry-cleaning and laundry services	<1	6,395	4,382	6,193
Other personal services	<1	9,494	11,337	18,386
Religious organizations	<1	17,432	9,488	27,250
Grantmaking, giving, and social advocacy organizations	<1	5,160	15,326	21,836
Business and professional associations	<1	7,577	11,666	19,004
Labor and civic organizations	<1	5,101	14,303	23,305
Private households	<1	5,125	5,125	5,125
Postal service	<1	17,065	17,137	17,143
Federal electric utilities	<1	3	7	22
Other federal government enterprises	<1	1,281	1,895	6,573
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	12,716	16,094	30,820
Local government passenger transit	<1	7,442	1,967	5,041
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	77	114	336
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	516,981	802,286	1,469,274

## Investments in Climate Change Research and Technology

**Table 657: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>145</i>	<i>10,774,528</i>	<i>17,182,432</i>	<i>31,536,352</i>
Oilseed farming	<1	1,112	3,450	4,021
Grain farming	<1	4,250	11,088	26,082
Vegetable and melon farming	<1	3,922	8,947	12,973
Fruit farming	<1	1,113	2,340	2,589
Tree nut farming	<1	795	1,733	2,049
Greenhouse, nursery, and floriculture production	<1	1,090	2,857	5,010
Tobacco farming	<1	50	106	179
Cotton farming	<1	1,858	4,740	8,317
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,853	6,506	11,344
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	3,190	8,734	14,621
Dairy cattle and milk production	<1	523	1,315	4,971
Poultry and egg production	<1	2,797	7,716	87,449
Animal production, except cattle and poultry and eggs	<1	4,065	10,610	11,796
Forestry, forest products, and timber tract production	<1	557	623	888

## Appendix

Commercial logging	<1	2,697	2,912	4,782
Commercial fishing	<1	5	352	355
Commercial hunting and trapping	<1	167	716	968
Support activities for agriculture and forestry	<1	14,625	15,002	16,548
Oil and gas extraction	<1	-542	18	32,469
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	18	71	120
Other metal ore mining	<1	8	14	24
Stone mining and quarrying	<1	1,342	4,792	7,108
Sand and gravel mining	<1	1,452	2,456	3,774
Other clay, ceramic, refractory minerals mining	<1	433	805	1,290
Potash, soda, and borate mineral mining	<1	60	89	149
Phosphate rock mining	<1	23	41	71
Other chemical and fertilizer mineral mining	<1	13	20	35
Other nonmetallic minerals	<1	125	216	368
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	2	3	12
Metal mining services	<1	-5	3	523
Other nonmetallic minerals services	<1	3	5	61
Electric power generation - Hydroelectric	<1	139	358	633
Electric power generation - Fossil fuel	<1	733	3,255	7,102
Electric power generation - Nuclear	<1	17,504	39,901	76,406
Electric power generation - Solar	<1	162	454	884
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	178	572	1,336
Electric power generation - All other	<1	176	52	157
Electric power transmission and distribution	<1	39,322	162,548	357,355

Appendix

Natural gas distribution	<1	12,891	50,020	91,156
Water, sewage and other systems	<1	3,507	8,370	14,965
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	24,787	47,134	108,189
Maintenance and repair construction of residential structures	<1	10,344	17,667	40,550
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	18	42
Dog and cat food manufacturing	<1	2,539	11,206	28,480
Other animal food manufacturing	<1	1,442	3,829	24,243
Flour milling	<1	450	1,534	7,140
Rice milling	0	0	0	0
Malt manufacturing	<1	44	123	521
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	341	4,304	23,119
Fats and oils refining and blending	<1	206	954	4,963
Breakfast cereal manufacturing	<1	2,356	10,090	24,211
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	302	1,493	4,050
Nonchocolate confectionery manufacturing	<1	1,563	2,977	9,280

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	92	198	654
Confectionery manufacturing from purchased chocolate	<1	413	843	3,399
Frozen fruits, juices and vegetables manufacturing	<1	158	539	1,668
Frozen specialties manufacturing	<1	552	1,016	4,018
Canned fruits and vegetables manufacturing	<1	429	1,323	3,901
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	65	187	570
Cheese manufacturing	<1	224	436	3,877
Dry, condensed, and evaporated dairy product manufacturing	<1	127	536	2,644
Fluid milk manufacturing	<1	43	103	446
Creamery butter manufacturing	<1	278	1,802	7,237
Ice cream and frozen dessert manufacturing	<1	365	722	2,540
Frozen cakes and other pastries manufacturing	<1	2,674	4,203	7,964
Poultry processing	<1	21,319	31,693	139,339
Animal, except poultry, slaughtering	<1	4,142	5,997	46,654
Meat processed from carcasses	<1	5,997	6,186	45,489
Rendering and meat byproduct processing	<1	208	285	1,423
Seafood product preparation and packaging	<1	1,672	3,301	12,227
Bread and bakery product, except frozen, manufacturing	<1	10,826	20,610	39,251
Cookie and cracker manufacturing	<1	1,853	3,557	9,720
Dry pasta, mixes, and dough manufacturing	<1	622	2,500	6,249
Tortilla manufacturing	<1	1,097	1,884	5,132
Roasted nuts and peanut butter manufacturing	<1	992	5,406	11,540
Other snack food manufacturing	<1	2,307	10,694	25,125
Coffee and tea manufacturing	<1	840	2,397	6,202
Flavoring syrup and concentrate manufacturing	<1	3,383	52,723	61,788
Mayonnaise, dressing, and sauce manufacturing	<1	519	1,590	4,719
Spice and extract manufacturing	<1	1,248	2,993	8,712
All other food manufacturing	<1	2,001	3,893	16,912
Bottled and canned soft drinks & water	<1	4,559	12,273	40,446
Manufactured ice	<1	204	205	756



## Appendix

Breweries	<1	4,007	11,665	23,469
Wineries	<1	601	1,631	5,147
Distilleries	<1	200	1,287	2,597
Tobacco product manufacturing	<1	225	9,059	11,771
Fiber, yarn, and thread mills	<1	20,035	25,686	115,859
Broadwoven fabric mills	<1	10,179	14,739	60,180
Narrow fabric mills and schiffli machine embroidery	<1	18	20	54
Nonwoven fabric mills	<1	2,583	4,353	13,616
Knit fabric mills	<1	65	88	238
Textile and fabric finishing mills	<1	20,592	28,126	102,135
Fabric coating mills	<1	30	40	181
Carpet and rug mills	<1	2,268	3,368	10,402
Curtain and linen mills	<1	502	644	2,252
Textile bag and canvas mills	<1	421	572	1,538
Rope, cordage, twine, tire cord and tire fabric mills	<1	527	789	2,197
Other textile product mills	<1	904	1,087	2,645
Hosiery and sock mills	<1	20	36	90
Other apparel knitting mills	<1	30	53	144
Cut and sew apparel contractors	<1	138	149	396
Men's and boys' cut and sew apparel manufacturing	<1	276	229	981
Women's and girls' cut and sew apparel manufacturing	<1	311	103	1,838
Other cut and sew apparel manufacturing	<1	171	125	722
Apparel accessories and other apparel manufacturing	<1	69	66	293
Leather and hide tanning and finishing	<1	16	9	85
Footwear manufacturing	<1	153	144	553
Other leather and allied product manufacturing	<1	57	50	131
Sawmills	<1	3,202	7,660	21,800
Wood preservation	<1	216	946	2,731
Veneer and plywood manufacturing	<1	1,591	3,244	7,600
Engineered wood member and truss manufacturing	<1	609	1,356	3,488
Reconstituted wood product manufacturing	<1	217	1,032	2,583
Wood windows and door manufacturing	<1	4,494	7,526	17,461
Cut stock, resawing lumber, and planing	<1	199	568	1,490

## Appendix

Other millwork, including flooring	<1	1,115	2,443	6,373
Wood container and pallet manufacturing	<1	1,600	2,775	6,467
Manufactured home (mobile home) manufacturing	<1	2	3	10
Prefabricated wood building manufacturing	<1	152	374	921
All other miscellaneous wood product manufacturing	<1	416	772	2,192
Pulp mills	<1	345	543	1,707
Paper mills	<1	6,413	15,919	41,895
Paperboard mills	<1	9,266	19,239	51,822
Paperboard container manufacturing	<1	10,535	16,264	52,399
Paper bag and coated and treated paper manufacturing	<1	5,208	8,455	26,770
Stationery product manufacturing	<1	668	857	2,830
Sanitary paper product manufacturing	<1	3,590	9,749	25,501
All other converted paper product manufacturing	<1	387	671	1,851
Printing	<1	19,475	30,003	62,602
Support activities for printing	<1	1,347	2,112	3,685
Petroleum refineries	<1	545	7,061	51,143
Asphalt paving mixture and block manufacturing	<1	232	390	1,872
Asphalt shingle and coating materials manufacturing	<1	338	1,626	3,673
Petroleum lubricating oil and grease manufacturing	<1	1,391	4,906	14,679
All other petroleum and coal products manufacturing	<1	262	1,094	2,925
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	409	1,103	4,202
Synthetic dye and pigment manufacturing	<1	1,610	2,728	9,463
Other basic inorganic chemical manufacturing	<1	1,578	3,122	9,886
Other basic organic chemical manufacturing	<1	928	2,066	16,721
Plastics material and resin manufacturing	<1	2,000	3,282	23,054
Synthetic rubber manufacturing	<1	214	302	1,734
Artificial and synthetic fibers and filaments manufacturing	<1	3,688	5,546	35,661
Nitrogenous fertilizer manufacturing	<1	331	1,087	4,020

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	118	225	875
Pesticide and other agricultural chemical manufacturing	<1	981	3,234	19,634
Medicinal and botanical manufacturing	<1	419	641	2,259
Pharmaceutical preparation manufacturing	<1	3,096	7,409	19,996
In-vitro diagnostic substance manufacturing	<1	67	96	283
Biological product (except diagnostic) manufacturing	<1	198	572	1,544
Paint and coating manufacturing	<1	1,648	3,084	14,901
Adhesive manufacturing	<1	708	1,096	5,049
Soap and other detergent manufacturing	<1	2,256	5,772	22,705
Polish and other sanitation good manufacturing	<1	3,469	5,443	16,954
Surface active agent manufacturing	<1	423	1,607	4,683
Toilet preparation manufacturing	<1	983	2,615	7,922
Printing ink manufacturing	<1	337	373	1,709
Explosives manufacturing	<1	5	5	26
Custom compounding of purchased resins	<1	609	946	4,138
Photographic film and chemical manufacturing	<1	2,677	5,609	20,296
Other miscellaneous chemical product manufacturing	<1	2,698	4,089	16,924
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,324	4,427	15,712
Unlaminated plastics profile shape manufacturing	<1	743	2,122	5,947
Plastics pipe and pipe fitting manufacturing	<1	345	1,266	3,960
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	265	526	1,522
Polystyrene foam product manufacturing	<1	2,275	4,796	15,319
Urethane and other foam product (except polystyrene) manufacturing	<1	740	1,519	6,001
Plastics bottle manufacturing	<1	1,486	2,711	11,545
Other plastics product manufacturing	<1	10,190	17,324	52,142
Tire manufacturing	<1	3,706	5,042	19,251

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	534	983	3,349
Other rubber product manufacturing	<1	2,982	4,147	14,923
Pottery, ceramics, and plumbing fixture manufacturing	<1	326	567	1,137
Brick, tile, and other structural clay product manufacturing	<1	473	926	2,009
Flat glass manufacturing	<1	465	1,061	2,317
Other pressed and blown glass and glassware manufacturing	<1	401	738	1,622
Glass container manufacturing	<1	612	1,093	3,032
Glass product manufacturing made of purchased glass	<1	1,046	2,172	5,163
Cement manufacturing	<1	338	923	2,523
Ready-mix concrete manufacturing	<1	1,766	3,288	10,456
Concrete block and brick manufacturing	<1	257	531	1,359
Concrete pipe manufacturing	<1	21	39	98
Other concrete product manufacturing	<1	1,110	1,858	4,273
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	590	2,055	4,998
Abrasive product manufacturing	<1	165	425	697
Cut stone and stone product manufacturing	<1	824	1,166	2,644
Ground or treated mineral and earth manufacturing	<1	416	1,194	2,550
Mineral wool manufacturing	<1	417	1,369	2,834
Miscellaneous nonmetallic mineral products manufacturing	<1	199	561	1,128
Iron and steel mills and ferroalloy manufacturing	<1	963	2,838	18,303
Iron, steel pipe and tube manufacturing from purchased steel	<1	340	879	4,424
Rolled steel shape manufacturing	<1	128	563	2,106
Steel wire drawing	<1	154	361	1,532
Alumina refining and primary aluminum production	<1	56	103	718
Secondary smelting and alloying of aluminum	<1	31	72	876
Aluminum sheet, plate, and foil manufacturing	<1	228	557	1,700
Other aluminum rolling, drawing and extruding	<1	495	794	4,279
Nonferrous metal (exc aluminum) smelting and refining	<1	85	747	2,192

## Appendix

Copper rolling, drawing, extruding and alloying	<1	2,273	5,454	49,002
Nonferrous metal, except copper and aluminum, shaping	<1	207	268	960
Secondary processing of other nonferrous metals	<1	5	11	77
Ferrous metal foundries	<1	215	429	1,284
Nonferrous metal foundries	<1	74	109	327
Custom roll forming	<1	101	158	1,354
Crown and closure manufacturing and metal stamping	<1	731	990	3,212
Iron and steel forging	<1	793	1,125	3,657
Nonferrous forging	<1	568	744	2,514
Cutlery, utensil, pot, and pan manufacturing	<1	53	128	420
Handtool manufacturing	<1	507	864	2,310
Prefabricated metal buildings and components manufacturing	<1	334	540	2,182
Fabricated structural metal manufacturing	<1	1,047	1,639	6,145
Plate work manufacturing	<1	307	355	1,171
Metal window and door manufacturing	<1	1,485	2,152	6,127
Sheet metal work manufacturing	<1	2,078	2,975	9,434
Ornamental and architectural metal work manufacturing	<1	930	1,169	3,181
Power boiler and heat exchanger manufacturing	<1	124	176	526
Metal tank (heavy gauge) manufacturing	<1	209	264	805
Metal cans manufacturing	<1	693	1,391	7,687
Metal barrels, drums and pails manufacturing	<1	33	45	216
Hardware manufacturing	<1	526	816	2,994
Spring and wire product manufacturing	<1	4,167	5,671	17,821
Machine shops	<1	14,603	17,808	41,540
Turned product and screw, nut, and bolt manufacturing	<1	271	360	1,181
Metal heat treating	<1	139	189	511
Metal coating and nonprecious engraving	<1	1,122	2,085	5,726
Electroplating, anodizing, and coloring metal	<1	500	553	1,384
Valve and fittings, other than plumbing, manufacturing	<1	547	849	2,485
Plumbing fixture fitting and trim manufacturing	<1	25	64	262

## Appendix

Ball and roller bearing manufacturing	<1	21,528	36,181	104,996
Small arms ammunition manufacturing	<1	47	119	364
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,411	3,205	8,375
Fabricated pipe and pipe fitting manufacturing	<1	100	131	380
Other fabricated metal manufacturing	<1	714	990	3,283
Farm machinery and equipment manufacturing	<1	454	1,002	2,905
Lawn and garden equipment manufacturing	<1	52	103	401
Construction machinery manufacturing	<1	130	364	1,051
Mining machinery and equipment manufacturing	<1	0	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	11	14	42
Food product machinery manufacturing	<1	12	14	42
Sawmill, woodworking, and paper machinery	<1	17	20	85
Printing machinery and equipment manufacturing	<1	11	12	43
All other industrial machinery manufacturing	<1	45	64	188
Optical instrument and lens manufacturing	<1	19,868	34,630	85,314
Photographic and photocopying equipment manufacturing	<1	5	7	21
Other commercial service industry machinery manufacturing	<1	97	186	532
Air purification and ventilation equipment manufacturing	<1	101	144	311
Heating equipment (except warm air furnaces) manufacturing	<1	121	217	569
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,903	3,958	11,366
Industrial mold manufacturing	<1	25	33	70
Special tool, die, jig, and fixture manufacturing	<1	114	171	340

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	65	80	190
Machine tool manufacturing	<1	20	28	86
Rolling mill and other metalworking machinery manufacturing	<1	7	11	29
Turbine and turbine generator set units manufacturing	<1	12	14	40
Speed changer, industrial high-speed drive, and gear manufacturing	<1	59	97	277
Mechanical power transmission equipment manufacturing	<1	63	105	293
Other engine equipment manufacturing	<1	373	1,060	4,960
Pump and pumping equipment manufacturing	<1	27	55	157
Air and gas compressor manufacturing	<1	2	2	7
Elevator and moving stairway manufacturing	<1	20	29	76
Conveyor and conveying equipment manufacturing	<1	15	17	49
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	4
Industrial truck, trailer, and stacker manufacturing	<1	93	186	620
Power-driven handtool manufacturing	<1	55	197	475
Welding and soldering equipment manufacturing	<1	7	13	41
Packaging machinery manufacturing	<1	18	31	78
Industrial process furnace and oven manufacturing	<1	3	4	10
Fluid power cylinder and actuator manufacturing	<1	49	80	211
Fluid power pump and motor manufacturing	<1	71	135	373
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	21	28	72
Electronic computer manufacturing	<1	24	31	154
Computer storage device manufacturing	<1	70	93	253
Computer terminals and other computer peripheral equipment manufacturing	<1	780	1,002	3,109
Telephone apparatus manufacturing	<1	13	20	75

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	41	50	134
Other communications equipment manufacturing	<1	31	44	169
Audio and video equipment manufacturing	<1	97	144	671
Printed circuit assembly (electronic assembly) manufacturing	<1	130	177	962
Bare printed circuit board manufacturing	<1	20	23	93
Semiconductor and related device manufacturing	<1	84	116	382
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	82	95	304
Electronic connector manufacturing	<1	236	288	1,115
Other electronic component manufacturing	<1	98	113	380
Electromedical and electrotherapeutic apparatus manufacturing	<1	23	32	108
Search, detection, and navigation instruments manufacturing	<1	2,408	3,516	10,512
Automatic environmental control manufacturing	<1	754	919	2,135
Industrial process variable instruments manufacturing	<1	95	123	395
Totalizing fluid meter and counting device manufacturing	<1	30	49	146
Electricity and signal testing instruments manufacturing	<1	78	90	238
Analytical laboratory instrument manufacturing	<1	17,276	25,010	56,362
Irradiation apparatus manufacturing	<1	6	10	34
Watch, clock, and other measuring and controlling device manufacturing	<1	33	43	173
Blank magnetic and optical recording media manufacturing	<1	91	254	1,211
Software and other prerecorded and record reproducing	<1	239	313	842
Electric lamp bulb and part manufacturing	<1	29	48	124
Lighting fixture manufacturing	<1	1,488	1,954	5,128
Small electrical appliance manufacturing	<1	57	123	260



Appendix

Household cooking appliance manufacturing	<1	279	699	3,011
Household refrigerator and home freezer manufacturing	<1	332	766	3,074
Household laundry equipment manufacturing	<1	1,032	1,820	9,141
Other major household appliance manufacturing	<1	133	351	1,254
Power, distribution, and specialty transformer manufacturing	<1	97	139	315
Motor and generator manufacturing	<1	306	584	1,784
Switchgear and switchboard apparatus manufacturing	<1	172	324	914
Relay and industrial control manufacturing	<1	217	300	877
Storage battery manufacturing	<1	2,457	4,106	13,363
Primary battery manufacturing	<1	460	2,849	3,505
Fiber optic cable manufacturing	<1	725	1,123	4,661
Other communication and energy wire manufacturing	<1	200	366	1,582
Wiring device manufacturing	<1	277	563	1,615
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	6	7	20
Automobile manufacturing	<1	1,558	6,128	23,985
Light truck and utility vehicle manufacturing	<1	380	1,453	8,168
Heavy duty truck manufacturing	<1	3	6	30
Motor vehicle body manufacturing	<1	159	211	803
Truck trailer manufacturing	<1	19	25	106
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,470	1,812	10,211
Motor vehicle gasoline engine and engine parts manufacturing	<1	753	1,192	5,563
Motor vehicle electrical and electronic equipment manufacturing	<1	6,035	7,770	19,995
Motor vehicle transmission and power train parts manufacturing	<1	1,758	2,608	12,664
Motor vehicle seating and interior trim manufacturing	<1	399	483	2,885
Motor vehicle metal stamping	<1	2,451	3,113	13,436
Other motor vehicle parts manufacturing	<1	4,277	5,999	29,908

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,100	4,449	20,800
Aircraft manufacturing	<1	378	906	1,808
Aircraft engine and engine parts manufacturing	<1	571	1,946	3,861
Other aircraft parts and auxiliary equipment manufacturing	<1	9,701	16,427	31,418
Guided missile and space vehicle manufacturing	<1	7	15	29
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	12	23	43
Railroad rolling stock manufacturing	<1	5	6	20
Ship building and repairing	<1	5	9	18
Boat building	<1	952	1,831	5,240
Motorcycle, bicycle, and parts manufacturing	<1	31	213	391
Military armored vehicle, tank, and tank component manufacturing	<1	145	503	1,016
All other transportation equipment manufacturing	<1	5,773	18,142	50,850
Wood kitchen cabinet and countertop manufacturing	<1	1,581	1,932	5,208
Upholstered household furniture manufacturing	<1	252	274	1,089
Nonupholstered wood household furniture manufacturing	<1	233	260	766
Other household nonupholstered furniture manufacturing	<1	193	286	1,159
Institutional furniture manufacturing	<1	13	14	61
Wood office furniture manufacturing	<1	6	8	24
Custom architectural woodwork and millwork	<1	31	29	93
Office furniture, except wood, manufacturing	<1	66	102	397
Showcase, partition, shelving, and locker manufacturing	<1	309	395	1,250
Mattress manufacturing	<1	792	1,227	5,993
Blind and shade manufacturing	<1	151	150	403
Surgical and medical instrument manufacturing	<1	339	347	756
Surgical appliance and supplies manufacturing	<1	1,296	1,407	4,026

## Appendix

Dental equipment and supplies manufacturing	<1	13	14	39
Ophthalmic goods manufacturing	<1	1,305	1,293	3,122
Dental laboratories	<1	645	650	1,185
Jewelry and silverware manufacturing	<1	651	1,237	3,713
Sporting and athletic goods manufacturing	<1	510	531	2,048
Doll, toy, and game manufacturing	<1	727	669	2,258
Office supplies (except paper) manufacturing	<1	741	757	3,192
Sign manufacturing	<1	1,260	1,126	2,689
Gasket, packing, and sealing device manufacturing	<1	257	259	674
Musical instrument manufacturing	<1	14	14	37
Fasteners, buttons, needles, and pins manufacturing	<1	533	527	1,291
Broom, brush, and mop manufacturing	<1	271	246	890
Burial casket manufacturing	<1	63	72	280
All other miscellaneous manufacturing	<1	1,334	1,429	3,853
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,839	22,755	45,798
Wholesale - Professional and commercial equipment and supplies	<1	44,254	76,338	130,481
Wholesale - Household appliances and electrical and electronic goods	<1	13,947	40,667	81,412
Wholesale - Machinery, equipment, and supplies	<1	22,093	48,408	83,844
Wholesale - Other durable goods merchant wholesalers	<1	30,948	65,678	129,260
Wholesale - Drugs and druggists'sundries	<1	16,677	48,518	98,897
Wholesale - Grocery and related product wholesalers	<1	28,055	47,884	94,102
Wholesale - Petroleum and petroleum products	<1	3,873	75,925	89,357
Wholesale - Other nondurable goods merchant wholesalers	<1	45,761	120,755	221,145
Wholesale - Wholesale electronic markets and agents and brokers	<1	34,097	40,423	47,553
Retail - Motor vehicle and parts dealers	<1	36,559	51,764	73,453
Retail - Furniture and home furnishings stores	<1	17,042	23,273	39,217

Appendix

Retail - Electronics and appliance stores	<1	20,039	17,665	29,536
Retail - Building material and garden equipment and supplies stores	<1	16,319	33,617	49,128
Retail - Food and beverage stores	1	47,932	70,468	118,791
Retail - Health and personal care stores	<1	31,045	40,575	63,737
Retail - Gasoline stores	<1	16,385	37,583	71,457
Retail - Clothing and clothing accessories stores	<1	19,704	36,262	84,977
Retail - Sporting goods, hobby, musical instrument and book stores	<1	11,606	15,849	27,557
Retail - General merchandise stores	1	48,940	78,757	131,211
Retail - Miscellaneous store retailers	<1	29,339	30,590	52,718
Retail - Nonstore retailers	1	20,216	148,879	248,309
Air transportation	<1	47,450	102,604	195,773
Rail transportation	<1	9,240	23,097	40,090
Water transportation	<1	1,181	1,851	11,787
Truck transportation	1	64,272	97,790	233,566
Transit and ground passenger transportation	1	7,491	9,722	27,890
Pipeline transportation	<1	8,969	14,880	23,258
Scenic and sightseeing transportation and support activities for transportation	1	78,322	69,592	109,759
Couriers and messengers	<1	26,530	64,300	76,210
Warehousing and storage	1	58,444	63,144	120,496
Newspaper publishers	<1	8,590	11,894	15,551
Periodical publishers	<1	3,351	4,097	7,344
Book publishers	<1	1,755	3,647	8,026
Directory, mailing list, and other publishers	<1	2,903	5,505	10,144
Greeting card publishing	0	0	0	0
Software publishers	1	174,017	268,684	383,143
Motion picture and video industries	<1	24,875	42,946	77,985
Sound recording industries	<1	1,087	8,628	14,481
Radio and television broadcasting	<1	94,477	127,383	211,637
Cable and other subscription programming	<1	8,425	39,388	85,075
Wired telecommunications carriers	<1	47,066	73,535	114,328

## Appendix

Wireless telecommunications carriers (except satellite)	<1	13,416	64,334	137,858
Satellite, telecommunications resellers, and all other telecommunications	<1	22,215	24,501	37,540
Data processing, hosting, and related services	<1	69,812	127,028	320,621
News syndicates, libraries, archives and all other information services	<1	4,348	6,222	14,421
Internet publishing and broadcasting and web search portals	<1	27,065	60,341	244,561
Nondepository credit intermediation and related activities	<1	60,281	64,783	99,523
Securities and commodity contracts intermediation and brokerage	<1	56,244	38,783	95,812
Monetary authorities and depository credit intermediation	<1	121,276	683,568	816,389
Other financial investment activities	1	66,961	71,318	202,458
Direct life insurance carriers	<1	19,572	41,539	62,854
Insurance carriers, except direct life	<1	44,101	143,693	314,743
Insurance agencies, brokerages, and related activities	<1	75,596	119,653	274,218
Funds, trusts, and other financial vehicles	<1	9,553	15,634	74,746
Other real estate	8	129,886	583,594	1,531,182
Tenant-occupied housing	<1	7,496	163,744	177,509
Owner-occupied dwellings	0	0	679,654	825,217
Automotive equipment rental and leasing	<1	43,705	65,740	77,362
General and consumer goods rental except video tapes and discs	<1	23,363	29,868	36,638
Video tape and disc rental	<1	4,052	6,373	9,544
Commercial and industrial machinery and equipment rental and leasing	<1	34,210	50,137	58,980
Lessors of nonfinancial intangible assets	<1	2,752	58,510	63,738
Legal services	2	255,655	410,038	575,188
Accounting, tax preparation, bookkeeping, and payroll services	1	99,428	116,145	183,507
Architectural, engineering, and related services	1	94,714	100,846	184,688
Specialized design services	<1	8,920	13,042	25,418

Appendix

Custom computer programming services	<1	40,654	41,971	59,892
Computer systems design services	<1	43,188	40,861	53,502
Other computer related services, including facilities management	<1	26,926	35,386	69,262
Management consulting services	4	433,603	442,753	704,814
Environmental and other technical consulting services	<1	23,615	25,342	41,785
Scientific research and development services	35	3,591,193	4,801,426	9,074,235
Advertising, public relations, and related services	<1	104,722	144,623	292,462
Photographic services	<1	2,672	5,315	13,026
Veterinary services	<1	6,714	7,262	12,010
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	71,704	105,260	248,760
Management of companies and enterprises	3	462,545	478,033	754,022
Office administrative services	<1	57,878	19,047	67,028
Facilities support services	<1	6,844	9,131	27,661
Employment services	6	255,495	345,508	630,389
Business support services	<1	51,672	43,373	80,519
Travel arrangement and reservation services	<1	11,295	17,719	65,981
Investigation and security services	<1	29,670	30,104	47,887
Services to buildings	1	43,317	59,401	130,079
Landscape and horticultural services	<1	27,650	33,354	67,786
Other support services	<1	12,551	15,925	38,254
Waste management and remediation services	<1	16,946	25,822	58,479
Elementary and secondary schools	<1	27,626	23,114	28,958
Junior colleges, colleges, universities, and professional schools	12	793,716	1,007,800	1,286,711
Other educational services	<1	18,201	20,247	39,605
Offices of physicians	2	219,342	220,063	331,822
Offices of dentists	<1	34,487	43,000	58,396
Offices of other health practitioners	<1	25,566	42,082	53,049
Outpatient care centers	<1	31,387	31,047	48,112
Medical and diagnostic laboratories	<1	12,481	22,348	31,009
Home health care services	<1	30,913	30,764	41,433

## Appendix

Other ambulatory health care services	<1	10,811	13,257	21,162
Hospitals	2	217,145	250,632	472,255
Nursing and community care facilities	<1	24,716	27,034	46,849
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,067	6,211	9,639
Individual and family services	<1	24,968	21,309	32,027
Child day care services	<1	16,314	22,276	32,377
Community food, housing, and other relief services, including rehabilitation services	<1	6,863	6,420	15,406
Performing arts companies	<1	3,979	8,398	16,000
Commercial Sports Except Racing	<1	20,190	18,430	34,158
Racing and Track Operation	<1	895	1,598	2,786
Independent artists, writers, and performers	<1	3,279	12,644	19,060
Promoters of performing arts and sports and agents for public figures	<1	4,451	14,886	33,138
Museums, historical sites, zoos, and parks	<1	1,543	1,904	3,534
Amusement parks and arcades	<1	1,070	1,765	2,340
Gambling industries (except casino hotels)	<1	7,076	20,653	29,325
Other amusement and recreation industries	<1	9,846	9,864	14,690
Fitness and recreational sports centers	<1	4,795	5,513	9,655
Bowling centers	<1	1,038	1,401	2,437
Hotels and motels, including casino hotels	<1	17,147	34,020	51,270
Other accommodations	<1	5,134	6,502	8,263
Full-service restaurants	3	97,804	148,617	294,314
Limited-service restaurants	3	70,972	111,776	277,261
All other food and drinking places	2	58,982	84,950	135,518
Automotive repair and maintenance, except car washes	1	55,412	67,048	104,079
Car washes	<1	33,075	48,232	72,300
Electronic and precision equipment repair and maintenance	<1	32,164	46,358	78,806
Commercial and industrial machinery and equipment repair and maintenance	<1	24,362	31,411	51,306
Personal and household goods repair and maintenance	<1	6,600	15,085	21,881

## Appendix

Personal care services	<1	16,946	13,257	17,149
Death care services	<1	5,308	4,437	6,858
Dry-cleaning and laundry services	<1	11,445	9,043	12,619
Other personal services	<1	16,316	20,291	33,143
Religious organizations	<1	23,912	15,511	40,212
Grantmaking, giving, and social advocacy organizations	<1	6,442	22,732	31,705
Business and professional associations	<1	11,444	20,280	32,929
Labor and civic organizations	<1	6,754	22,746	35,585
Private households	<1	8,620	8,620	8,658
Postal service	<1	29,377	29,480	29,701
Federal electric utilities	<1	14	29	104
Other federal government enterprises	<1	2,057	2,975	10,220
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	25,402	39,984	78,486
Local government passenger transit	<1	11,754	5,808	11,332
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	153	305	768
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	179,664	513,189	905,781

## Hawaii

## NASA

Table 658: Detailed NASA Impacts by Types of Impact, Hawaii

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	380	29,485,173	41,672,434	78,958,405
Oilseed farming	<1	-128	1,099	1,776
Grain farming	3	58,145	103,971	308,766
Vegetable and melon farming	<1	12,427	23,131	30,696
Fruit farming	<1	9,554	18,514	21,637
Tree nut farming	<1	3,087	6,074	7,150
Greenhouse, nursery, and floriculture production	<1	17,026	20,308	22,412
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	17	19	23
All other crop farming	<1	700	868	982
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	336	19,335	52,548
Dairy cattle and milk production	<1	131	319	1,117
Poultry and egg production	<1	3,395	5,814	22,374
Animal production, except cattle and poultry and eggs	4	46,047	179,366	203,739
Forestry, forest products, and timber tract production	<1	3,251	3,486	4,604
Commercial logging	<1	1,056	1,101	1,590
Commercial fishing	<1	2,310	10,343	10,519
Commercial hunting and trapping	<1	84	138	194
Support activities for agriculture and forestry	<1	33,111	33,366	38,293
Oil and gas extraction	<1	146	172	34,387
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	4,452	12,142	20,444
Sand and gravel mining	<1	1,676	2,552	4,560

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	204	275	493
Phosphate rock mining	<1	68	108	201
Other chemical and fertilizer mineral mining	<1	49	67	124
Other nonmetallic minerals	<1	1,093	1,701	3,117
Drilling oil and gas wells	<1	<1	<1	3
Support activities for oil and gas operations	<1	3	2	15
Metal mining services	<1	9	11	2,408
Other nonmetallic minerals services	<1	<1	<1	57
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	6,912	29,139	69,161
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	191	484	953
Electric power generation - Wind	<1	34	333	566
Electric power generation - Geothermal	<1	2,168	5,235	9,638
Electric power generation - Biomass	<1	277	938	2,519
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	12,188	46,920	115,473
Natural gas distribution	<1	23,544	97,277	198,274
Water, sewage and other systems	<1	6,651	15,158	25,668
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	100,056	159,152	337,359
Maintenance and repair construction of residential structures	<1	42,439	64,197	133,187
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	38	60	130
Dog and cat food manufacturing	<1	305	565	3,854
Other animal food manufacturing	<1	4,305	7,613	73,593
Flour milling	0	0	0	0
Rice milling	<1	126	181	3,529
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	65	251	10,849
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	606	1,030	13,177
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	575	1,036	10,886
Nonchocolate confectionery manufacturing	<1	152	195	3,284
Chocolate and confectionery manufacturing from cacao beans	<1	452	570	4,583
Confectionery manufacturing from purchased chocolate	<1	3,798	4,588	27,787
Frozen fruits, juices and vegetables manufacturing	<1	932	1,401	11,755
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	1,363	1,940	12,565
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	24	33	246
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	5,846	7,405	62,442
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2,823	3,365	19,572

## Appendix

Frozen cakes and other pastries manufacturing	<1	8,123	13,354	22,692
Poultry processing	<1	3,040	3,451	18,259
Animal, except poultry, slaughtering	<1	5,727	6,761	70,152
Meat processed from carcasses	<1	17,266	16,752	158,469
Rendering and meat byproduct processing	<1	540	667	4,083
Seafood product preparation and packaging	<1	395	442	3,182
Bread and bakery product, except frozen, manufacturing	<1	36,584	49,230	131,950
Cookie and cracker manufacturing	<1	12,523	15,094	66,243
Dry pasta, mixes, and dough manufacturing	<1	957	1,498	8,992
Tortilla manufacturing	<1	629	737	3,932
Roasted nuts and peanut butter manufacturing	<1	3,089	5,301	26,967
Other snack food manufacturing	<1	3,483	5,444	31,962
Coffee and tea manufacturing	<1	2,473	3,408	27,712
Flavoring syrup and concentrate manufacturing	<1	141	540	2,659
Mayonnaise, dressing, and sauce manufacturing	<1	407	571	3,420
Spice and extract manufacturing	<1	445	577	3,904
All other food manufacturing	<1	9,467	11,418	79,185
Bottled and canned soft drinks & water	<1	20,075	26,842	149,953
Manufactured ice	<1	1,161	630	3,379
Breweries	<1	5,460	8,188	26,331
Wineries	<1	917	1,231	5,782
Distilleries	<1	2,808	7,873	22,656
Tobacco product manufacturing	<1	560	10,276	22,898
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	37	42	210
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	225	243	805
Textile bag and canvas mills	<1	122	133	439
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	222	236	832
Hosiery and sock mills	<1	33	65	121
Other apparel knitting mills	<1	66	128	249
Cut and sew apparel contractors	<1	232	280	692
Men's and boys' cut and sew apparel manufacturing	<1	295	261	1,143
Women's and girls' cut and sew apparel manufacturing	<1	442	182	2,953
Other cut and sew apparel manufacturing	<1	167	141	742
Apparel accessories and other apparel manufacturing	<1	56	84	231
Leather and hide tanning and finishing	<1	7	1	53
Footwear manufacturing	<1	16	14	75
Other leather and allied product manufacturing	<1	11	9	31
Sawmills	<1	344	443	5,171
Wood preservation	<1	92	145	2,244
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	904	1,070	9,655
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	1,764	1,901	12,431
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	388	445	2,909
Wood container and pallet manufacturing	<1	156	167	1,001
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	39	44	319
All other miscellaneous wood product manufacturing	<1	45	48	326
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	4,741	5,700	35,570
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	21,291	28,915	75,601
Support activities for printing	0	0	0	0
Petroleum refineries	<1	10,207	62,785	427,275
Asphalt paving mixture and block manufacturing	<1	531	701	3,297
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	1,761	3,575	11,828
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	7,082	9,826	39,381
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	2,318	2,620	8,565
Other basic organic chemical manufacturing	<1	2,973	3,974	38,255
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	1,366	1,870	7,840
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	897	992	3,401
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	25	23	67
Pharmaceutical preparation manufacturing	<1	150	165	486
In-vitro diagnostic substance manufacturing	<1	21	20	40
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	2,347	2,590	11,601
Polish and other sanitation good manufacturing	<1	2,772	2,618	7,900

Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	957	1,131	3,990
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	621	628	2,675
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	783	1,058	6,313
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	945	1,360	6,785
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	586	774	4,478
Other plastics product manufacturing	<1	2,323	2,975	13,168
Tire manufacturing	<1	6,944	8,299	42,488
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	91	160	553
Brick, tile, and other structural clay product manufacturing	<1	89	172	634
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	3,956	7,233	17,712
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	544	1,097	2,889
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	6,730	12,109	35,490
Concrete block and brick manufacturing	<1	2,001	3,935	8,445
Concrete pipe manufacturing	0	0	0	0



Appendix

Other concrete product manufacturing	<1	2,140	3,447	7,530
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	741	1,025	2,410
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	525	1,390	3,126
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	681	552	6,218
Rolled steel shape manufacturing	<1	1,224	830	14,757
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	573	886	3,865
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	105	132	699

Appendix

Fabricated structural metal manufacturing	<1	622	795	4,168
Plate work manufacturing	<1	1,856	2,001	6,742
Metal window and door manufacturing	<1	801	972	3,910
Sheet metal work manufacturing	<1	489	582	2,250
Ornamental and architectural metal work manufacturing	<1	595	663	2,312
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	712	1,046	8,673
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	665	779	3,286
Machine shops	<1	772	852	2,666
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	347	485	2,052
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	0	0	0	0
Farm machinery and equipment manufacturing	<1	73	177	1,569
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	<1	<1	<1	3
Other commercial service industry machinery manufacturing	<1	6	11	67
Air purification and ventilation equipment manufacturing	<1	56	84	453
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	10	18	77
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	0	0	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	4	19
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	2	3	14

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	5	10	29
Search, detection, and navigation instruments manufacturing	<1	3	6	16
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	10	19	52
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	5	8	27
Blank magnetic and optical recording media manufacturing	<1	43	221	807
Software and other prerecorded and record reproducing	<1	36	62	158
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	28	15	100
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	60	41	286
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	3	3	27
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	243	339	2,576
Motor vehicle transmission and power train parts manufacturing	<1	78	101	1,589
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	1
Guided missile and space vehicle manufacturing	<1	<1	1	2
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	1,622	2,673	5,226
Boat building	<1	327	578	1,530
Motorcycle, bicycle, and parts manufacturing	<1	<1	3	5

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	1,549	1,922	5,340
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	889	1,005	3,011
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	9	11	40
Custom architectural woodwork and millwork	<1	19	19	68
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	<1	119	194	1,006
Blind and shade manufacturing	<1	43	43	176
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	37	45	192
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	27	30	104
Dental laboratories	<1	324	331	762
Jewelry and silverware manufacturing	<1	3,073	4,139	15,147
Sporting and athletic goods manufacturing	<1	191	209	1,211
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	1,251	1,365	7,384
Sign manufacturing	<1	859	-961	875
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	532	536	1,749
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2,868	3,248	13,407
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	14,879	26,355	62,620
Wholesale - Professional and commercial equipment and supplies	<1	52,323	71,468	143,539
Wholesale - Household appliances and electrical and electronic goods	<1	13,092	25,851	71,092
Wholesale - Machinery, equipment, and supplies	<1	24,913	40,494	87,024
Wholesale - Other durable goods merchant wholesalers	1	80,707	123,837	307,041
Wholesale - Drugs and druggists'sundries	<1	34,181	67,298	203,119
Wholesale - Grocery and related product wholesalers	1	75,447	101,256	246,581
Wholesale - Petroleum and petroleum products	<1	20,939	149,503	215,027
Wholesale - Other nondurable goods merchant wholesalers	2	115,945	198,810	492,495
Wholesale - Wholesale electronic markets and agents and brokers	<1	21,354	23,403	30,592
Retail - Motor vehicle and parts dealers	<1	77,158	132,185	172,648
Retail - Furniture and home furnishings stores	<1	36,437	61,288	92,848
Retail - Electronics and appliance stores	<1	44,320	50,685	73,681
Retail - Building material and garden equipment and supplies stores	<1	41,808	101,279	135,417
Retail - Food and beverage stores	3	142,768	229,125	339,535
Retail - Health and personal care stores	2	74,263	108,741	161,995
Retail - Gasoline stores	<1	23,521	67,315	110,467
Retail - Clothing and clothing accessories stores	1	64,428	126,390	215,128
Retail - Sporting goods, hobby, musical instrument and book stores	<1	35,039	58,289	86,679
Retail - General merchandise stores	2	109,342	217,265	318,143
Retail - Miscellaneous store retailers	2	70,239	97,390	150,090
Retail - Nonstore retailers	3	54,077	342,008	634,584
Air transportation	1	154,924	343,494	660,947



## Appendix

Rail transportation	<1	-1	-2	84
Water transportation	<1	28,899	58,581	201,135
Truck transportation	1	77,107	130,954	253,800
Transit and ground passenger transportation	3	84,502	106,671	152,739
Pipeline transportation	<1	715	3,634	5,155
Scenic and sightseeing transportation and support activities for transportation	3	220,416	202,426	313,797
Couriers and messengers	1	39,988	153,038	168,896
Warehousing and storage	<1	20,266	22,308	40,391
Newspaper publishers	<1	19,715	28,028	43,345
Periodical publishers	<1	6,722	8,475	18,816
Book publishers	<1	1,903	3,989	10,925
Directory, mailing list, and other publishers	<1	8,319	15,916	28,654
Greeting card publishing	<1	265	677	1,383
Software publishers	<1	35,703	55,856	84,645
Motion picture and video industries	<1	56,547	91,169	200,456
Sound recording industries	<1	753	5,290	13,692
Radio and television broadcasting	<1	125,725	148,587	319,842
Cable and other subscription programming	<1	25,149	78,005	143,485
Wired telecommunications carriers	<1	86,995	154,066	308,647
Wireless telecommunications carriers (except satellite)	<1	21,489	124,990	378,773
Satellite, telecommunications resellers, and all other telecommunications	<1	6,294	7,134	20,733
Data processing, hosting, and related services	<1	45,548	88,120	259,632
News syndicates, libraries, archives and all other information services	<1	8,692	13,371	23,879
Internet publishing and broadcasting and web search portals	<1	36,884	95,501	309,323
Nondepository credit intermediation and related activities	<1	63,713	69,899	105,051
Securities and commodity contracts intermediation and brokerage	3	80,090	72,151	255,657
Monetary authorities and depository credit intermediation	4	365,098	1,122,447	1,714,359

## Appendix

Other financial investment activities	1	37,308	45,578	214,744
Direct life insurance carriers	<1	12,170	29,209	43,984
Insurance carriers, except direct life	2	164,150	640,073	1,303,381
Insurance agencies, brokerages, and related activities	2	125,242	219,441	517,574
Funds, trusts, and other financial vehicles	<1	30,782	39,097	157,678
Other real estate	21	929,649	2,429,801	5,068,753
Tenant-occupied housing	1	59,566	644,418	682,227
Owner-occupied dwellings	0	0	2,570,740	3,102,457
Automotive equipment rental and leasing	<1	19,519	132,800	148,872
General and consumer goods rental except video tapes and discs	<1	22,845	67,329	86,966
Video tape and disc rental	<1	8,527	16,702	24,433
Commercial and industrial machinery and equipment rental and leasing	<1	27,915	139,201	161,347
Lessors of nonfinancial intangible assets	<1	-628	24,740	28,758
Legal services	7	617,502	1,054,484	1,517,652
Accounting, tax preparation, bookkeeping, and payroll services	2	160,375	203,229	339,534
Architectural, engineering, and related services	3	296,056	325,753	605,546
Specialized design services	<1	11,530	19,860	37,041
Custom computer programming services	<1	31,886	33,025	46,412
Computer systems design services	<1	64,366	58,534	79,924
Other computer related services, including facilities management	<1	61,484	70,109	169,379
Management consulting services	8	708,648	739,655	1,265,136
Environmental and other technical consulting services	1	102,944	115,454	201,282
Scientific research and development services	130	12,809,118	13,792,546	29,632,593
Advertising, public relations, and related services	<1	64,978	107,270	252,480
Photographic services	<1	4,948	13,546	30,791
Veterinary services	<1	17,004	19,169	28,878
Marketing research and all other miscellaneous professional, scientific, and technical services	2	117,128	193,188	484,784
Management of companies and enterprises	9	1,239,690	1,346,670	2,230,654

## Appendix

Office administrative services	7	591,581	218,486	598,093
Facilities support services	<1	24,296	29,374	66,678
Employment services	13	657,129	802,202	1,409,243
Business support services	<1	31,255	27,174	50,562
Travel arrangement and reservation services	<1	34,669	47,694	202,310
Investigation and security services	2	93,194	96,348	138,928
Services to buildings	3	127,257	162,870	351,010
Landscape and horticultural services	2	86,178	101,407	197,749
Other support services	<1	32,040	37,951	75,306
Waste management and remediation services	<1	52,447	90,566	174,273
Elementary and secondary schools	2	106,109	105,536	120,926
Junior colleges, colleges, universities, and professional schools	7	281,039	407,114	572,270
Other educational services	1	45,877	54,393	103,981
Offices of physicians	4	560,703	573,985	780,943
Offices of dentists	1	105,533	121,849	166,669
Offices of other health practitioners	2	129,361	179,711	225,453
Outpatient care centers	2	190,340	189,948	284,394
Medical and diagnostic laboratories	<1	56,240	81,584	116,587
Home health care services	2	94,387	95,589	122,189
Other ambulatory health care services	<1	31,946	36,529	52,721
Hospitals	6	676,301	793,509	1,356,335
Nursing and community care facilities	2	108,728	114,132	175,568
Residential mental retardation, mental health, substance abuse and other facilities	<1	24,247	24,151	36,121
Individual and family services	5	170,550	158,763	214,804
Child day care services	1	59,699	96,312	118,484
Community food, housing, and other relief services, including rehabilitation services	1	48,665	50,781	100,820
Performing arts companies	1	34,801	57,057	104,680
Commercial Sports Except Racing	<1	4,440	5,107	7,474
Racing and Track Operation	<1	1,015	1,399	2,711
Independent artists, writers, and performers	<1	35,754	83,370	130,049

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	14,148	30,207	68,972
Museums, historical sites, zoos, and parks	<1	17,376	21,264	39,538
Amusement parks and arcades	<1	1,849	12,014	12,742
Gambling industries (except casino hotels)	1	73,170	151,415	198,118
Other amusement and recreation industries	1	43,997	52,743	66,984
Fitness and recreational sports centers	<1	14,748	23,817	32,059
Bowling centers	<1	4,197	8,069	10,278
Hotels and motels, including casino hotels	1	65,205	151,663	193,102
Other accommodations	<1	4,224	5,269	6,763
Full-service restaurants	8	411,176	502,998	874,539
Limited-service restaurants	7	248,800	332,464	721,701
All other food and drinking places	5	200,473	403,247	549,583
Automotive repair and maintenance, except car washes	2	144,113	165,802	229,854
Car washes	<1	67,540	117,520	157,798
Electronic and precision equipment repair and maintenance	<1	30,913	36,723	62,857
Commercial and industrial machinery and equipment repair and maintenance	<1	40,507	38,182	62,260
Personal and household goods repair and maintenance	<1	22,876	37,462	54,826
Personal care services	2	73,456	30,406	41,341
Death care services	<1	18,603	9,571	14,429
Dry-cleaning and laundry services	2	53,787	24,095	34,785
Other personal services	2	50,249	64,495	91,431
Religious organizations	3	193,683	45,874	221,602
Grantmaking, giving, and social advocacy organizations	1	103,541	211,113	321,505
Business and professional associations	<1	21,264	27,618	48,957
Labor and civic organizations	1	59,089	116,966	204,848
Private households	<1	23,243	23,243	23,243
Postal service	<1	82,098	82,329	82,354
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	11,904	19,476	57,357
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	64,622	1,300	19,990
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	96,954	118,946	342,013
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	8	1,468,939	1,954,650	3,364,224

## Moon to Mars Campaign

**Table 659: Detailed M2M Campaign Impacts by Types of Impact, Hawaii**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>11</i>	<i>996,408</i>	<i>1,197,865</i>	<i>2,191,230</i>
Oilseed farming	<1	-5	40	69
Grain farming	<1	1,230	2,790	6,615
Vegetable and melon farming	<1	452	883	1,136
Fruit farming	<1	438	864	964
Tree nut farming	<1	159	350	408
Greenhouse, nursery, and floriculture production	<1	512	638	669
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	<1	<1	<1
All other crop farming	<1	18	23	25
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	8	515	1,232
Dairy cattle and milk production	<1	5	13	42
Poultry and egg production	<1	92	167	587
Animal production, except cattle and poultry and eggs	<1	676	2,957	3,261
Forestry, forest products, and timber tract production	<1	74	80	103
Commercial logging	<1	21	23	32
Commercial fishing	<1	349	317	319
Commercial hunting and trapping	<1	3	4	5
Support activities for agriculture and forestry	<1	459	465	533
Oil and gas extraction	<1	3	4	786
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	66	178	300
Sand and gravel mining	<1	17	25	45
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	5	7	12
Phosphate rock mining	<1	2	3	6
Other chemical and fertilizer mineral mining	<1	1	2	3
Other nonmetallic minerals	<1	7	10	19
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	<1	<1	41
Other nonmetallic minerals services	<1	0	0	<1
Electric power generation - Hydroelectric	0	0	0	0

## Appendix

Electric power generation - Fossil fuel	<1	192	743	1,755
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	5	13	26
Electric power generation - Wind	<1	<1	6	10
Electric power generation - Geothermal	<1	127	298	549
Electric power generation - Biomass	<1	8	27	74
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	284	1,039	2,546
Natural gas distribution	<1	535	2,113	4,164
Water, sewage and other systems	<1	215	471	778
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,854	3,047	6,238
Maintenance and repair construction of residential structures	<1	1,394	2,163	4,339
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	4
Dog and cat food manufacturing	<1	9	18	119
Other animal food manufacturing	<1	82	150	1,413
Flour milling	0	0	0	0

## Appendix

Rice milling	<1	5	7	138
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	2	8	353
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	23	37	490
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	22	41	412
Nonchocolate confectionery manufacturing	<1	6	8	124
Chocolate and confectionery manufacturing from cacao beans	<1	30	38	301
Confectionery manufacturing from purchased chocolate	<1	130	157	965
Frozen fruits, juices and vegetables manufacturing	<1	35	54	422
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	54	78	515
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1	2	13
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	216	275	2,292
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	90	109	615
Frozen cakes and other pastries manufacturing	<1	284	469	778
Poultry processing	<1	78	90	485
Animal, except poultry, slaughtering	<1	164	195	2,052
Meat processed from carcasses	<1	540	526	4,990
Rendering and meat byproduct processing	<1	18	23	140
Seafood product preparation and packaging	<1	11	13	88
Bread and bakery product, except frozen, manufacturing	<1	1,248	1,683	4,489
Cookie and cracker manufacturing	<1	442	543	2,267
Dry pasta, mixes, and dough manufacturing	<1	38	57	360
Tortilla manufacturing	<1	21	25	131



## Appendix

Roasted nuts and peanut butter manufacturing	<1	114	199	977
Other snack food manufacturing	<1	117	178	1,034
Coffee and tea manufacturing	<1	87	120	981
Flavoring syrup and concentrate manufacturing	<1	4	15	73
Mayonnaise, dressing, and sauce manufacturing	<1	14	19	115
Spice and extract manufacturing	<1	17	22	149
All other food manufacturing	<1	391	471	3,296
Bottled and canned soft drinks & water	<1	593	794	4,466
Manufactured ice	<1	38	21	104
Breweries	<1	188	287	923
Wineries	<1	45	58	256
Distilleries	<1	82	252	704
Tobacco product manufacturing	<1	17	376	783
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1	1	6
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	8	9	28
Textile bag and canvas mills	<1	3	4	12
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	7	8	27
Hosiery and sock mills	<1	1	3	4
Other apparel knitting mills	<1	2	4	7
Cut and sew apparel contractors	<1	5	6	14
Men's and boys' cut and sew apparel manufacturing	<1	15	14	55
Women's and girls' cut and sew apparel manufacturing	<1	23	11	139
Other cut and sew apparel manufacturing	<1	9	8	37
Apparel accessories and other apparel manufacturing	<1	2	4	9
Leather and hide tanning and finishing	<1	0	0	2
Footwear manufacturing	<1	<1	<1	3
Other leather and allied product manufacturing	<1	<1	<1	1

## Appendix

Sawmills	<1	7	9	100
Wood preservation	<1	2	3	45
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	22	27	243
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	23	25	160
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	6	7	45
Wood container and pallet manufacturing	<1	5	5	31
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	<1	1	8
All other miscellaneous wood product manufacturing	<1	1	1	8
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	198	237	1,490
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	676	935	2,371
Support activities for printing	0	0	0	0
Petroleum refineries	<1	293	2,007	12,889
Asphalt paving mixture and block manufacturing	<1	12	16	75
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	34	70	225
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	98	147	575

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	34	42	133
Other basic organic chemical manufacturing	<1	69	99	929
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	32	47	186
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	19	23	75
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	1	3
Pharmaceutical preparation manufacturing	<1	6	8	21
In-vitro diagnostic substance manufacturing	<1	1	1	2
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	61	75	310
Polish and other sanitation good manufacturing	<1	64	66	188
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	34	47	153
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	11	12	49
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	24	32	187
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	20	30	147
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	22	29	162
Other plastics product manufacturing	<1	52	68	291
Tire manufacturing	<1	176	217	1,093
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	2	4	13
Brick, tile, and other structural clay product manufacturing	<1	1	3	10
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	89	164	395
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	12	23	60
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	93	165	487
Concrete block and brick manufacturing	<1	32	61	133
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	36	58	128
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	15	20	48
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	5	13	30
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	12	9	102

## Appendix

Rolled steel shape manufacturing	<1	15	11	194
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	20	30	123
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	1	2	9
Fabricated structural metal manufacturing	<1	10	12	64
Plate work manufacturing	<1	40	44	145
Metal window and door manufacturing	<1	15	18	72
Sheet metal work manufacturing	<1	8	10	37
Ornamental and architectural metal work manufacturing	<1	10	11	39
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	24	36	296
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	12	14	58

## Appendix

Machine shops	<1	19	21	66
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	10	14	61
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	0	0	0	0
Farm machinery and equipment manufacturing	<1	<1	1	10
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	2

## Appendix

Air purification and ventilation equipment manufacturing	<1	<1	1	6
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	<1	1	4
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	0	0	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	0	<1	<1
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	<1	2	8	29
Software and other prerecorded and record reproducing	<1	3	5	11
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	3
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	1	1	6
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	0	<1	<1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	5	6	47
Motor vehicle transmission and power train parts manufacturing	<1	2	3	40
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	40	64	127
Boat building	<1	9	15	40
Motorcycle, bicycle, and parts manufacturing	<1	0	0	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	40	49	136
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	30	34	101
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	2

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	<1	4	7	33
Blind and shade manufacturing	<1	1	1	6
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	1	2	6
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	1	3
Dental laboratories	<1	14	14	32
Jewelry and silverware manufacturing	<1	102	140	506
Sporting and athletic goods manufacturing	<1	7	8	42
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	38	43	218
Sign manufacturing	<1	20	-23	20
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	28	29	91
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	84	97	387
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	439	776	1,850
Wholesale - Professional and commercial equipment and supplies	<1	1,675	2,294	4,558
Wholesale - Household appliances and electrical and electronic goods	<1	401	785	2,160
Wholesale - Machinery, equipment, and supplies	<1	436	708	1,522
Wholesale - Other durable goods merchant wholesalers	<1	2,235	3,429	8,500

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	1,028	1,995	5,979
Wholesale - Grocery and related product wholesalers	<1	2,317	3,077	7,485
Wholesale - Petroleum and petroleum products	<1	544	4,705	6,586
Wholesale - Other nondurable goods merchant wholesalers	<1	3,478	6,186	15,014
Wholesale - Wholesale electronic markets and agents and brokers	<1	621	677	884
Retail - Motor vehicle and parts dealers	<1	2,316	4,003	5,194
Retail - Furniture and home furnishings stores	<1	1,172	1,985	2,972
Retail - Electronics and appliance stores	<1	1,420	1,652	2,344
Retail - Building material and garden equipment and supplies stores	<1	1,241	3,036	4,026
Retail - Food and beverage stores	<1	4,775	7,676	11,213
Retail - Health and personal care stores	<1	2,410	3,543	5,200
Retail - Gasoline stores	<1	767	2,116	3,367
Retail - Clothing and clothing accessories stores	<1	2,099	4,129	6,847
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,153	1,916	2,790
Retail - General merchandise stores	<1	3,435	6,881	9,921
Retail - Miscellaneous store retailers	<1	2,294	3,197	4,799
Retail - Nonstore retailers	<1	1,697	11,010	20,330
Air transportation	<1	5,251	12,064	22,650
Rail transportation	<1	0	0	3
Water transportation	<1	631	1,313	4,277
Truck transportation	<1	2,151	3,618	6,933
Transit and ground passenger transportation	<1	5,288	6,667	8,742
Pipeline transportation	<1	12	72	103
Scenic and sightseeing transportation and support activities for transportation	<1	3,749	3,384	5,237
Couriers and messengers	<1	1,396	5,236	5,772
Warehousing and storage	<1	694	768	1,373
Newspaper publishers	<1	581	893	1,320
Periodical publishers	<1	267	377	767
Book publishers	<1	74	176	452

## Appendix

Directory, mailing list, and other publishers	<1	276	564	1,001
Greeting card publishing	<1	8	23	47
Software publishers	<1	1,153	1,943	2,844
Motion picture and video industries	<1	2,317	3,846	7,518
Sound recording industries	<1	26	194	461
Radio and television broadcasting	<1	3,728	4,343	8,547
Cable and other subscription programming	<1	928	2,781	4,766
Wired telecommunications carriers	<1	2,982	5,381	10,651
Wireless telecommunications carriers (except satellite)	<1	727	4,517	13,197
Satellite, telecommunications resellers, and all other telecommunications	<1	223	243	717
Data processing, hosting, and related services	<1	1,708	3,343	9,513
News syndicates, libraries, archives and all other information services	<1	256	405	665
Internet publishing and broadcasting and web search portals	<1	1,748	4,609	13,992
Nondepository credit intermediation and related activities	<1	2,834	3,117	4,558
Securities and commodity contracts intermediation and brokerage	<1	3,780	3,291	10,624
Monetary authorities and depository credit intermediation	<1	9,170	30,379	44,574
Other financial investment activities	<1	1,574	1,917	8,046
Direct life insurance carriers	<1	366	878	1,304
Insurance carriers, except direct life	<1	4,988	19,307	38,717
Insurance agencies, brokerages, and related activities	<1	3,957	6,868	16,051
Funds, trusts, and other financial vehicles	<1	1,134	1,451	5,318
Other real estate	<1	14,185	34,514	69,146
Tenant-occupied housing	<1	2,194	22,700	23,823
Owner-occupied dwellings	0	0	85,374	103,032
Automotive equipment rental and leasing	<1	614	4,250	4,681

## Appendix

General and consumer goods rental except video tapes and discs	<1	956	2,800	3,581
Video tape and disc rental	<1	272	534	779
Commercial and industrial machinery and equipment rental and leasing	<1	802	4,025	4,643
Lessors of nonfinancial intangible assets	<1	-12	512	594
Legal services	<1	7,128	12,475	17,691
Accounting, tax preparation, bookkeeping, and payroll services	<1	8,256	10,691	17,462
Architectural, engineering, and related services	<1	3,059	3,393	6,245
Specialized design services	<1	299	533	958
Custom computer programming services	<1	1,046	1,079	1,510
Computer systems design services	<1	2,386	2,174	2,943
Other computer related services, including facilities management	<1	2,203	2,504	5,982
Management consulting services	<1	5,498	5,750	9,628
Environmental and other technical consulting services	<1	2,377	2,690	4,618
Scientific research and development services	<1	32,252	34,656	72,621
Advertising, public relations, and related services	<1	1,724	2,916	6,643
Photographic services	<1	157	459	987
Veterinary services	<1	502	574	848
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,084	1,836	4,493
Management of companies and enterprises	<1	36,798	40,246	65,636
Office administrative services	3	274,501	108,498	277,439
Facilities support services	<1	632	777	1,702
Employment services	<1	12,825	15,902	26,877
Business support services	<1	876	771	1,382
Travel arrangement and reservation services	<1	1,128	1,559	6,213
Investigation and security services	<1	2,854	2,953	4,175
Services to buildings	<1	2,668	3,460	7,223
Landscape and horticultural services	<1	1,991	2,358	4,485
Other support services	<1	1,956	2,336	4,504
Waste management and remediation services	<1	1,199	2,064	3,950

## Appendix

Elementary and secondary schools	<1	3,947	3,886	4,399
Junior colleges, colleges, universities, and professional schools	<1	2,558	3,735	5,108
Other educational services	<1	1,641	1,954	3,666
Offices of physicians	<1	17,688	18,150	24,609
Offices of dentists	<1	3,484	4,099	5,566
Offices of other health practitioners	<1	4,089	5,896	7,333
Outpatient care centers	<1	6,823	6,838	10,151
Medical and diagnostic laboratories	<1	1,909	2,896	4,035
Home health care services	<1	3,155	3,206	4,076
Other ambulatory health care services	<1	1,047	1,218	1,733
Hospitals	<1	23,635	27,954	47,438
Nursing and community care facilities	<1	3,817	4,007	6,031
Residential mental retardation, mental health, substance abuse and other facilities	<1	905	902	1,326
Individual and family services	<1	6,483	6,169	8,232
Child day care services	<1	2,040	3,501	4,184
Community food, housing, and other relief services, including rehabilitation services	<1	1,932	2,028	3,885
Performing arts companies	<1	2,462	3,851	6,404
Commercial Sports Except Racing	<1	164	193	276
Racing and Track Operation	<1	38	49	92
Independent artists, writers, and performers	<1	1,485	3,255	4,941
Promoters of performing arts and sports and agents for public figures	<1	810	1,594	3,368
Museums, historical sites, zoos, and parks	<1	649	788	1,418
Amusement parks and arcades	<1	72	453	477
Gambling industries (except casino hotels)	<1	2,682	5,614	7,219
Other amusement and recreation industries	<1	1,714	2,053	2,560
Fitness and recreational sports centers	<1	534	874	1,142
Bowling centers	<1	138	269	333
Hotels and motels, including casino hotels	<1	2,736	6,122	7,773
Other accommodations	<1	342	420	531

## Appendix

Full-service restaurants	<1	13,472	16,419	28,059
Limited-service restaurants	<1	8,220	10,934	23,058
All other food and drinking places	<1	9,491	18,873	25,256
Automotive repair and maintenance, except car washes	<1	5,070	5,638	7,793
Car washes	<1	3,068	5,333	7,109
Electronic and precision equipment repair and maintenance	<1	702	840	1,408
Commercial and industrial machinery and equipment repair and maintenance	<1	1,519	1,420	2,282
Personal and household goods repair and maintenance	<1	1,036	1,580	2,328
Personal care services	<1	2,510	920	1,276
Death care services	<1	652	303	464
Dry-cleaning and laundry services	<1	1,804	728	1,068
Other personal services	<1	1,439	1,792	2,533
Religious organizations	<1	7,670	1,543	8,086
Grantmaking, giving, and social advocacy organizations	<1	4,514	7,825	12,154
Business and professional associations	<1	672	792	1,409
Labor and civic organizations	<1	2,364	4,006	7,169
Private households	<1	804	804	804
Postal service	<1	2,666	2,674	2,675
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	375	713	1,883
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	3,372	30	771
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	3,033	3,042	9,481
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	279,167	329,268	602,552

## Investments in Climate Change Research and Technology

**Table 660: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>54</i>	<i>4,118,910</i>	<i>5,858,803</i>	<i>10,870,738</i>
Oilseed farming	<1	-11	95	152
Grain farming	<1	7,003	11,620	35,949
Vegetable and melon farming	<1	1,936	3,574	4,709
Fruit farming	<1	1,547	2,984	3,493
Tree nut farming	<1	499	963	1,141
Greenhouse, nursery, and floriculture production	<1	2,731	3,223	3,515
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	3	3	4
All other crop farming	<1	118	145	163
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	65	3,445	9,218
Dairy cattle and milk production	<1	20	48	172
Poultry and egg production	<1	594	947	3,929
Animal production, except cattle and poultry and eggs	<1	6,280	21,869	24,347
Forestry, forest products, and timber tract production	<1	445	481	652

Appendix

Commercial logging	<1	148	161	234
Commercial fishing	<1	261	1,510	1,537
Commercial hunting and trapping	<1	10	21	30
Support activities for agriculture and forestry	<1	4,910	4,943	5,595
Oil and gas extraction	<1	27	29	5,808
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	514	1,575	2,610
Sand and gravel mining	<1	200	318	566
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	29	39	71
Phosphate rock mining	<1	10	16	30
Other chemical and fertilizer mineral mining	<1	7	10	19
Other nonmetallic minerals	<1	138	223	402
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	2	2	473
Other nonmetallic minerals services	<1	<1	<1	8
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	841	3,796	9,024
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	24	63	125
Electric power generation - Wind	<1	6	63	109
Electric power generation - Geothermal	<1	239	560	1,017
Electric power generation - Biomass	<1	30	101	266
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,526	6,114	15,168

## Appendix

Natural gas distribution	<1	2,824	11,668	23,817
Water, sewage and other systems	<1	968	2,266	3,950
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,837	20,350	43,797
Maintenance and repair construction of residential structures	<1	5,948	8,974	18,898
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	9	19
Dog and cat food manufacturing	<1	48	86	612
Other animal food manufacturing	<1	667	1,151	11,309
Flour milling	0	0	0	0
Rice milling	<1	24	35	671
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	10	37	1,688
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	65	108	1,520
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	92	159	1,740
Nonchocolate confectionery manufacturing	<1	23	29	516

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	63	79	659
Confectionery manufacturing from purchased chocolate	<1	607	716	4,369
Frozen fruits, juices and vegetables manufacturing	<1	146	211	1,837
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	213	297	1,972
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	4	5	39
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	834	1,030	8,820
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	403	473	2,834
Frozen cakes and other pastries manufacturing	<1	1,292	2,136	3,650
Poultry processing	<1	598	660	3,509
Animal, except poultry, slaughtering	<1	949	1,109	11,433
Meat processed from carcasses	<1	2,618	2,535	24,167
Rendering and meat byproduct processing	<1	97	118	715
Seafood product preparation and packaging	<1	59	66	493
Bread and bakery product, except frozen, manufacturing	<1	5,685	7,625	20,469
Cookie and cracker manufacturing	<1	1,700	1,984	9,538
Dry pasta, mixes, and dough manufacturing	<1	136	209	1,270
Tortilla manufacturing	<1	111	130	691
Roasted nuts and peanut butter manufacturing	<1	482	826	4,219
Other snack food manufacturing	<1	557	852	5,161
Coffee and tea manufacturing	<1	388	519	4,341
Flavoring syrup and concentrate manufacturing	<1	24	90	458
Mayonnaise, dressing, and sauce manufacturing	<1	69	97	573
Spice and extract manufacturing	<1	66	83	566
All other food manufacturing	<1	1,453	1,734	12,183
Bottled and canned soft drinks & water	<1	3,271	4,299	24,162
Manufactured ice	<1	172	91	512

## Appendix

Breweries	<1	775	1,136	3,673
Wineries	<1	145	191	883
Distilleries	<1	483	1,240	3,598
Tobacco product manufacturing	<1	86	1,331	3,097
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	5	5	26
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	37	40	136
Textile bag and canvas mills	<1	20	22	73
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	38	41	147
Hosiery and sock mills	<1	6	11	21
Other apparel knitting mills	<1	11	21	43
Cut and sew apparel contractors	<1	38	45	113
Men's and boys' cut and sew apparel manufacturing	<1	47	41	184
Women's and girls' cut and sew apparel manufacturing	<1	71	29	483
Other cut and sew apparel manufacturing	<1	25	21	114
Apparel accessories and other apparel manufacturing	<1	9	14	40
Leather and hide tanning and finishing	<1	1	0	9
Footwear manufacturing	<1	3	3	16
Other leather and allied product manufacturing	<1	2	1	6
Sawmills	<1	53	69	794
Wood preservation	<1	15	25	380
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	136	164	1,461
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	233	254	1,681
Cut stock, resawing lumber, and planing	0	0	0	0

## Appendix

Other millwork, including flooring	<1	49	58	379
Wood container and pallet manufacturing	<1	23	26	153
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	5	6	44
All other miscellaneous wood product manufacturing	<1	6	7	45
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	762	952	5,895
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	3,047	4,057	11,094
Support activities for printing	0	0	0	0
Petroleum refineries	<1	1,867	11,342	77,176
Asphalt paving mixture and block manufacturing	<1	73	94	465
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	225	470	1,651
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,118	1,476	6,031
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	375	394	1,309
Other basic organic chemical manufacturing	<1	636	791	7,517
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	165	225	1,036

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	146	159	551
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	3	4	10
Pharmaceutical preparation manufacturing	<1	24	26	79
In-vitro diagnostic substance manufacturing	<1	3	3	6
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	314	348	1,657
Polish and other sanitation good manufacturing	<1	389	369	1,125
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	157	184	652
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	104	104	431
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	127	171	1,050
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	149	212	1,095
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	99	131	768
Other plastics product manufacturing	<1	330	417	1,895
Tire manufacturing	<1	881	1,028	5,482

## Appendix

Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	12	21	72
Brick, tile, and other structural clay product manufacturing	<1	11	22	81
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	610	1,106	2,684
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	87	178	460
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	880	1,607	4,648
Concrete block and brick manufacturing	<1	237	476	1,019
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	309	508	1,090
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	98	137	321
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	63	174	392
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	105	88	967
Rolled steel shape manufacturing	<1	164	121	2,035
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	69	108	478
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	13	16	88
Fabricated structural metal manufacturing	<1	96	120	646
Plate work manufacturing	<1	299	320	1,114
Metal window and door manufacturing	<1	110	132	549
Sheet metal work manufacturing	<1	66	78	311
Ornamental and architectural metal work manufacturing	<1	81	90	324
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	116	168	1,397
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	94	109	467
Machine shops	<1	114	126	398
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	59	81	349
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	0	0	0	0
Farm machinery and equipment manufacturing	<1	12	29	253
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	0	0	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	2	11
Air purification and ventilation equipment manufacturing	<1	8	12	65
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	1	2	10
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	3
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	5
Search, detection, and navigation instruments manufacturing	<1	<1	1	3
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	2	2	7
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	5
Blank magnetic and optical recording media manufacturing	<1	4	24	87
Software and other prerecorded and record reproducing	<1	4	7	19
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	4	2	14
Small electrical appliance manufacturing	0	0	0	0

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	9	6	46
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	5
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	40	56	441
Motor vehicle transmission and power train parts manufacturing	<1	9	13	206
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	0	0	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	0	<1	<1
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	275	437	876
Boat building	<1	64	114	305
Motorcycle, bicycle, and parts manufacturing	<1	0	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	258	323	906
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	140	159	479
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	1	2	5
Custom architectural woodwork and millwork	<1	3	3	9
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	<1	20	33	173
Blind and shade manufacturing	<1	7	7	29
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	6	7	29

## Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	5	6	20
Dental laboratories	<1	55	56	128
Jewelry and silverware manufacturing	<1	520	686	2,522
Sporting and athletic goods manufacturing	<1	31	34	200
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	183	195	1,147
Sign manufacturing	<1	121	-134	124
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	68	68	226
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	434	479	2,041
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,125	3,827	8,990
Wholesale - Professional and commercial equipment and supplies	<1	7,514	10,368	20,808
Wholesale - Household appliances and electrical and electronic goods	<1	1,833	3,694	10,145
Wholesale - Machinery, equipment, and supplies	<1	3,307	5,454	11,704
Wholesale - Other durable goods merchant wholesalers	<1	11,116	17,298	42,788
Wholesale - Drugs and druggists'sundries	<1	4,833	9,763	29,586
Wholesale - Grocery and related product wholesalers	<1	10,918	14,836	36,174
Wholesale - Petroleum and petroleum products	<1	3,511	23,192	33,619
Wholesale - Other nondurable goods merchant wholesalers	<1	16,136	27,878	69,335
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,036	3,347	4,417
Retail - Motor vehicle and parts dealers	<1	11,182	19,393	25,360
Retail - Furniture and home furnishings stores	<1	5,207	8,854	13,469

## Appendix

Retail - Electronics and appliance stores	<1	6,345	7,350	10,790
Retail - Building material and garden equipment and supplies stores	<1	5,767	14,309	19,137
Retail - Food and beverage stores	<1	20,117	32,715	48,521
Retail - Health and personal care stores	<1	10,567	15,638	23,507
Retail - Gasoline stores	<1	3,471	10,079	16,485
Retail - Clothing and clothing accessories stores	<1	9,233	18,610	31,877
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,919	8,289	12,397
Retail - General merchandise stores	<1	15,913	32,125	46,969
Retail - Miscellaneous store retailers	<1	9,884	13,908	21,591
Retail - Nonstore retailers	<1	7,543	49,140	91,171
Air transportation	<1	23,357	51,190	99,928
Rail transportation	<1	0	0	13
Water transportation	<1	3,906	7,374	26,978
Truck transportation	<1	11,444	19,597	38,729
Transit and ground passenger transportation	<1	12,003	15,553	23,032
Pipeline transportation	<1	104	492	735
Scenic and sightseeing transportation and support activities for transportation	<1	30,875	29,140	44,554
Couriers and messengers	<1	6,082	24,645	27,071
Warehousing and storage	<1	3,070	3,371	6,168
Newspaper publishers	<1	2,549	3,470	5,496
Periodical publishers	<1	804	965	2,231
Book publishers	<1	236	473	1,340
Directory, mailing list, and other publishers	<1	1,243	2,257	4,206
Greeting card publishing	<1	34	84	171
Software publishers	<1	5,096	7,656	11,906
Motion picture and video industries	<1	8,130	13,030	29,141
Sound recording industries	<1	102	704	1,854
Radio and television broadcasting	<1	16,225	19,262	43,853
Cable and other subscription programming	<1	3,223	9,796	18,388
Wired telecommunications carriers	<1	13,022	22,756	46,269



## Appendix

Wireless telecommunications carriers (except satellite)	<1	3,460	18,849	59,028
Satellite, telecommunications resellers, and all other telecommunications	<1	973	1,161	3,285
Data processing, hosting, and related services	<1	6,852	13,273	39,481
News syndicates, libraries, archives and all other information services	<1	1,271	1,962	3,456
Internet publishing and broadcasting and web search portals	<1	5,470	14,199	46,221
Nondepository credit intermediation and related activities	<1	9,518	10,405	15,825
Securities and commodity contracts intermediation and brokerage	<1	11,622	10,639	39,547
Monetary authorities and depository credit intermediation	<1	56,654	158,012	251,046
Other financial investment activities	<1	5,023	6,093	30,113
Direct life insurance carriers	<1	1,743	4,119	6,474
Insurance carriers, except direct life	<1	22,973	87,217	185,212
Insurance agencies, brokerages, and related activities	<1	19,126	33,170	80,349
Funds, trusts, and other financial vehicles	<1	4,414	5,542	22,772
Other real estate	3	111,626	288,612	608,606
Tenant-occupied housing	<1	8,309	91,138	97,009
Owner-occupied dwellings	0	0	360,171	437,204
Automotive equipment rental and leasing	<1	2,837	18,752	21,520
General and consumer goods rental except video tapes and discs	<1	3,370	9,992	12,981
Video tape and disc rental	<1	1,220	2,431	3,548
Commercial and industrial machinery and equipment rental and leasing	<1	3,906	19,023	22,434
Lessors of nonfinancial intangible assets	<1	-98	3,556	4,147
Legal services	<1	78,528	131,382	190,641
Accounting, tax preparation, bookkeeping, and payroll services	<1	25,171	31,651	53,917
Architectural, engineering, and related services	<1	35,518	39,010	73,179
Specialized design services	<1	2,001	3,435	6,591

## Appendix

Custom computer programming services	<1	4,477	4,633	6,711
Computer systems design services	<1	9,053	8,221	11,382
Other computer related services, including facilities management	<1	8,597	9,809	23,891
Management consulting services	4	331,023	344,582	598,214
Environmental and other technical consulting services	<1	13,501	15,069	26,785
Scientific research and development services	14	1,424,016	1,574,167	3,307,585
Advertising, public relations, and related services	<1	8,352	13,764	32,984
Photographic services	<1	796	2,106	4,999
Veterinary services	<1	2,317	2,602	3,959
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	12,541	20,814	52,992
Management of companies and enterprises	1	152,861	166,473	281,305
Office administrative services	2	118,658	24,044	116,232
Facilities support services	<1	4,069	4,890	11,470
Employment services	2	87,257	105,853	193,485
Business support services	<1	4,697	4,068	7,850
Travel arrangement and reservation services	<1	5,533	7,616	32,165
Investigation and security services	<1	13,720	14,169	20,933
Services to buildings	<1	16,611	21,117	46,431
Landscape and horticultural services	<1	10,999	12,899	25,735
Other support services	<1	4,342	5,128	10,494
Waste management and remediation services	<1	7,050	12,316	23,763
Elementary and secondary schools	<1	14,238	14,218	16,426
Junior colleges, colleges, universities, and professional schools	<1	7,361	10,788	15,614
Other educational services	<1	6,212	7,349	14,247
Offices of physicians	<1	78,630	80,379	110,738
Offices of dentists	<1	14,642	16,850	23,288
Offices of other health practitioners	<1	18,444	25,412	32,203
Outpatient care centers	<1	27,192	27,107	40,390
Medical and diagnostic laboratories	<1	8,257	11,932	17,197
Home health care services	<1	13,064	13,209	17,156

## Appendix

Other ambulatory health care services	<1	4,455	5,078	7,419
Hospitals	<1	87,480	102,184	175,478
Nursing and community care facilities	<1	14,374	15,023	23,550
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,051	3,035	4,621
Individual and family services	<1	21,985	20,470	28,431
Child day care services	<1	7,963	12,762	15,929
Community food, housing, and other relief services, including rehabilitation services	<1	6,194	6,455	13,067
Performing arts companies	<1	5,124	8,168	15,341
Commercial Sports Except Racing	<1	629	672	1,021
Racing and Track Operation	<1	133	188	373
Independent artists, writers, and performers	<1	5,068	11,435	18,066
Promoters of performing arts and sports and agents for public figures	<1	2,044	4,235	9,923
Museums, historical sites, zoos, and parks	<1	2,287	2,756	5,215
Amusement parks and arcades	<1	280	1,759	1,892
Gambling industries (except casino hotels)	<1	9,879	20,160	26,720
Other amusement and recreation industries	<1	6,048	7,189	9,264
Fitness and recreational sports centers	<1	2,009	3,150	4,349
Bowling centers	<1	578	1,094	1,415
Hotels and motels, including casino hotels	<1	10,667	25,183	32,285
Other accommodations	<1	689	860	1,116
Full-service restaurants	1	58,448	71,953	126,739
Limited-service restaurants	1	35,801	48,060	106,144
All other food and drinking places	<1	29,462	59,578	82,234
Automotive repair and maintenance, except car washes	<1	20,324	23,953	33,366
Car washes	<1	9,764	17,156	23,156
Electronic and precision equipment repair and maintenance	<1	3,941	4,733	8,234
Commercial and industrial machinery and equipment repair and maintenance	<1	5,726	5,490	9,149
Personal and household goods repair and maintenance	<1	3,177	5,450	7,973

## Appendix

Personal care services	<1	10,178	4,469	6,080
Death care services	<1	2,585	1,392	2,105
Dry-cleaning and laundry services	<1	7,255	3,432	4,961
Other personal services	<1	6,920	9,007	12,880
Religious organizations	<1	25,367	6,341	29,479
Grantmaking, giving, and social advocacy organizations	<1	13,079	27,941	42,418
Business and professional associations	<1	2,702	3,689	6,555
Labor and civic organizations	<1	7,551	15,800	27,241
Private households	<1	3,416	3,416	3,430
Postal service	<1	12,831	12,862	12,954
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,668	2,893	7,995
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	10,250	220	3,611
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	14,418	20,115	53,262
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	382,171	553,773	800,600

## Idaho

## NASA

Table 661: Detailed NASA Impacts by Types of Impact, Idaho

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>84</i>	<i>6,062,031</i>	<i>9,006,843</i>	<i>17,818,124</i>
Oilseed farming	<1	158	1,171	1,366
Grain farming	<1	8,792	33,198	72,289
Vegetable and melon farming	<1	2,526	6,308	10,813
Fruit farming	<1	316	769	1,039
Tree nut farming	<1	1	4	5
Greenhouse, nursery, and floriculture production	<1	501	1,092	1,816
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	1,580	3,286	5,641
All other crop farming	<1	1,255	2,612	4,448
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	2,766	12,948	28,156
Dairy cattle and milk production	<1	2,508	7,368	32,009
Poultry and egg production	<1	336	744	6,605
Animal production, except cattle and poultry and eggs	<1	7,035	31,156	35,497
Forestry, forest products, and timber tract production	<1	97	112	145
Commercial logging	<1	1,085	1,308	1,900
Commercial fishing	<1	131	586	591
Commercial hunting and trapping	<1	215	637	728
Support activities for agriculture and forestry	<1	9,848	10,344	11,371
Oil and gas extraction	<1	112	209	13,084
Coal mining	<1	8	30	49
Copper, nickel, lead, and zinc mining	<1	126	704	1,142
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,782	6,972	13,466
Silver ore mining	<1	306	794	1,632
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	75	187	347
Stone mining and quarrying	<1	332	1,609	2,749
Sand and gravel mining	<1	690	1,406	2,604

## Appendix

Other clay, ceramic, refractory minerals mining	<1	14	31	53
Potash, soda, and borate mineral mining	<1	95	152	297
Phosphate rock mining	<1	60	129	246
Other chemical and fertilizer mineral mining	<1	52	86	172
Other nonmetallic minerals	<1	260	527	1,017
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	5	6	17
Metal mining services	<1	148	46	1,374
Other nonmetallic minerals services	<1	2	3	32
Electric power generation - Hydroelectric	<1	1,360	3,318	7,066
Electric power generation - Fossil fuel	<1	258	957	2,389
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	229	528	1,061
Electric power generation - Wind	<1	423	3,583	7,017
Electric power generation - Geothermal	<1	128	274	486
Electric power generation - Biomass	<1	164	476	1,249
Electric power generation - All other	<1	49	-5	17
Electric power transmission and distribution	<1	19,432	69,211	170,183
Natural gas distribution	<1	2,958	10,714	24,266
Water, sewage and other systems	<1	2,033	4,321	8,704
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	18,928	27,641	76,067
Maintenance and repair construction of residential structures	<1	7,403	10,078	26,286
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	6	17
Dog and cat food manufacturing	<1	44	135	433
Other animal food manufacturing	<1	1,061	2,136	16,122
Flour milling	<1	507	1,248	7,010
Rice milling	0	0	0	0
Malt manufacturing	<1	144	285	1,469
Wet corn milling	<1	748	1,906	10,354
Soybean and other oilseed processing	<1	16	123	1,048
Fats and oils refining and blending	<1	8	25	242
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	<1	757	1,703	6,548
Sugar cane mills and refining	<1	118	407	1,490
Nonchocolate confectionery manufacturing	<1	29	43	128
Chocolate and confectionery manufacturing from cacao beans	<1	25	41	261
Confectionery manufacturing from purchased chocolate	<1	23	38	253
Frozen fruits, juices and vegetables manufacturing	<1	1,482	3,652	10,945
Frozen specialties manufacturing	<1	1,201	1,781	7,938
Canned fruits and vegetables manufacturing	<1	121	265	864
Canned specialties	<1	32	87	324
Dehydrated food products manufacturing	<1	828	1,722	5,667
Cheese manufacturing	<1	2,370	3,651	32,646
Dry, condensed, and evaporated dairy product manufacturing	<1	554	1,581	8,300
Fluid milk manufacturing	<1	1,958	3,492	17,733
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	14	21	97



## Appendix

Frozen cakes and other pastries manufacturing	<1	685	922	1,652
Poultry processing	<1	455	593	1,856
Animal, except poultry, slaughtering	<1	1,572	2,025	17,008
Meat processed from carcasses	<1	5,138	4,978	37,417
Rendering and meat byproduct processing	<1	35	50	229
Seafood product preparation and packaging	<1	68	105	693
Bread and bakery product, except frozen, manufacturing	<1	2,585	3,801	8,875
Cookie and cracker manufacturing	<1	812	1,260	4,135
Dry pasta, mixes, and dough manufacturing	<1	519	1,393	4,321
Tortilla manufacturing	<1	334	478	1,471
Roasted nuts and peanut butter manufacturing	<1	132	165	1,008
Other snack food manufacturing	<1	159	267	1,325
Coffee and tea manufacturing	<1	71	150	773
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	224	487	1,657
Spice and extract manufacturing	<1	1	2	7
All other food manufacturing	<1	662	1,016	3,696
Bottled and canned soft drinks & water	<1	1,486	3,004	13,890
Manufactured ice	<1	71	58	278
Breweries	<1	957	2,223	7,428
Wineries	<1	668	1,323	5,317
Distilleries	<1	121	534	1,315
Tobacco product manufacturing	<1	4	130	211
Fiber, yarn, and thread mills	<1	17	20	105
Broadwoven fabric mills	<1	<1	<1	8
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	3	5	27
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	5	21
Fabric coating mills	<1	26	30	132
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	3	3	19
Textile bag and canvas mills	<1	31	37	149
Rope, cordage, twine, tire cord and tire fabric mills	<1	61	79	315

## Appendix

Other textile product mills	<1	151	167	523
Hosiery and sock mills	<1	1	2	5
Other apparel knitting mills	<1	2	3	7
Cut and sew apparel contractors	<1	5	6	18
Men's and boys' cut and sew apparel manufacturing	<1	3	4	13
Women's and girls' cut and sew apparel manufacturing	<1	3	4	29
Other cut and sew apparel manufacturing	<1	3	4	14
Apparel accessories and other apparel manufacturing	<1	50	52	201
Leather and hide tanning and finishing	<1	1	4	33
Footwear manufacturing	<1	6	6	40
Other leather and allied product manufacturing	<1	6	6	37
Sawmills	<1	2,209	3,131	9,015
Wood preservation	<1	98	183	758
Veneer and plywood manufacturing	<1	541	715	1,772
Engineered wood member and truss manufacturing	<1	604	793	2,233
Reconstituted wood product manufacturing	<1	64	127	548
Wood windows and door manufacturing	<1	2,858	3,316	8,419
Cut stock, resawing lumber, and planing	<1	489	756	1,975
Other millwork, including flooring	<1	1,046	1,371	3,810
Wood container and pallet manufacturing	<1	719	852	2,222
Manufactured home (mobile home) manufacturing	<1	1	1	4
Prefabricated wood building manufacturing	<1	203	278	731
All other miscellaneous wood product manufacturing	<1	480	568	1,771
Pulp mills	0	0	0	0
Paper mills	<1	744	1,510	4,949
Paperboard mills	<1	160	314	1,117
Paperboard container manufacturing	<1	1,675	2,468	9,669
Paper bag and coated and treated paper manufacturing	<1	379	569	1,868
Stationery product manufacturing	<1	86	108	396

## Appendix

Sanitary paper product manufacturing	<1	1,226	3,450	10,582
All other converted paper product manufacturing	<1	412	668	2,069
Printing	<1	5,070	8,655	19,381
Support activities for printing	<1	102	181	269
Petroleum refineries	<1	8	202	7,511
Asphalt paving mixture and block manufacturing	<1	12	18	138
Asphalt shingle and coating materials manufacturing	<1	25	82	385
Petroleum lubricating oil and grease manufacturing	<1	96	231	1,229
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	35	151	1,583
Industrial gas manufacturing	<1	571	874	6,107
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	2	3	20
Other basic organic chemical manufacturing	<1	132	190	2,452
Plastics material and resin manufacturing	<1	7	9	85
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	339	557	4,979
Phosphatic fertilizer manufacturing	<1	398	544	2,936
Fertilizer mixing	<1	19	22	91
Pesticide and other agricultural chemical manufacturing	<1	46	77	552
Medicinal and botanical manufacturing	<1	34	33	154
Pharmaceutical preparation manufacturing	<1	53	71	329
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	27	37	162
Paint and coating manufacturing	<1	30	36	199
Adhesive manufacturing	<1	6	6	18
Soap and other detergent manufacturing	<1	18	27	339
Polish and other sanitation good manufacturing	<1	8	8	45

## Appendix

Surface active agent manufacturing	<1	7	12	90
Toilet preparation manufacturing	<1	525	683	3,363
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	934	1,167	5,465
Other miscellaneous chemical product manufacturing	<1	846	902	4,527
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	160	276	1,164
Unlaminated plastics profile shape manufacturing	<1	97	238	1,016
Plastics pipe and pipe fitting manufacturing	<1	178	567	2,372
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	129	232	746
Polystyrene foam product manufacturing	<1	261	497	1,770
Urethane and other foam product (except polystyrene) manufacturing	<1	12	23	77
Plastics bottle manufacturing	<1	16	27	131
Other plastics product manufacturing	<1	1,718	2,709	8,937
Tire manufacturing	<1	553	734	3,308
Rubber and plastics hoses and belting manufacturing	<1	13	22	82
Other rubber product manufacturing	<1	69	90	278
Pottery, ceramics, and plumbing fixture manufacturing	<1	24	34	73
Brick, tile, and other structural clay product manufacturing	<1	24	35	92
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	4	6	17
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	166	252	843
Cement manufacturing	<1	51	93	322
Ready-mix concrete manufacturing	<1	1,217	1,703	6,877
Concrete block and brick manufacturing	<1	245	365	1,273
Concrete pipe manufacturing	0	0	0	0

## Appendix

Other concrete product manufacturing	<1	196	254	745
Lime manufacturing	<1	4	7	44
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	88	154	380
Cut stone and stone product manufacturing	<1	337	400	1,089
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	2	5	20
Miscellaneous nonmetallic mineral products manufacturing	<1	26	47	133
Iron and steel mills and ferroalloy manufacturing	<1	29	301	1,592
Iron, steel pipe and tube manufacturing from purchased steel	<1	4	47	211
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	4	47	190
Alumina refining and primary aluminum production	<1	9	37	242
Secondary smelting and alloying of aluminum	<1	1	5	42
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	4	21
Nonferrous metal (exc aluminum) smelting and refining	<1	2	83	205
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	3	13	49
Secondary processing of other nonferrous metals	<1	2	17	78
Ferrous metal foundries	<1	2	70	152
Nonferrous metal foundries	<1	42	214	592
Custom roll forming	<1	29	41	358
Crown and closure manufacturing and metal stamping	<1	9	11	57
Iron and steel forging	<1	101	134	752
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	330	664	3,009
Handtool manufacturing	<1	56	86	237
Prefabricated metal buildings and components manufacturing	<1	59	84	346

## Appendix

Fabricated structural metal manufacturing	<1	646	929	3,884
Plate work manufacturing	<1	466	523	2,165
Metal window and door manufacturing	<1	29	39	127
Sheet metal work manufacturing	<1	542	714	2,463
Ornamental and architectural metal work manufacturing	<1	176	209	700
Power boiler and heat exchanger manufacturing	<1	2	2	7
Metal tank (heavy gauge) manufacturing	<1	116	140	475
Metal cans manufacturing	<1	28	49	269
Metal barrels, drums and pails manufacturing	<1	16	21	91
Hardware manufacturing	<1	1,505	2,212	7,511
Spring and wire product manufacturing	<1	10	12	66
Machine shops	<1	12,869	14,987	38,347
Turned product and screw, nut, and bolt manufacturing	<1	241	301	1,079
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	80	133	579
Electroplating, anodizing, and coloring metal	<1	107	115	322
Valve and fittings, other than plumbing, manufacturing	<1	29	42	159
Plumbing fixture fitting and trim manufacturing	<1	80	174	863
Ball and roller bearing manufacturing	<1	125	193	648
Small arms ammunition manufacturing	<1	9,401	19,647	56,619
Ammunition, except for small arms, manufacturing	<1	10	11	25
Small arms, ordnance, and accessories manufacturing	<1	4,897	12,296	38,710
Fabricated pipe and pipe fitting manufacturing	<1	44	54	202
Other fabricated metal manufacturing	<1	549	704	2,613
Farm machinery and equipment manufacturing	<1	126	189	1,138
Lawn and garden equipment manufacturing	<1	58	86	550
Construction machinery manufacturing	<1	72	128	590
Mining machinery and equipment manufacturing	<1	10	11	47

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	<1	15	17	86
Food product machinery manufacturing	<1	4	4	15
Sawmill, woodworking, and paper machinery	<1	2	2	7
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	5	5	19
Optical instrument and lens manufacturing	<1	5	6	22
Photographic and photocopying equipment manufacturing	<1	1	1	6
Other commercial service industry machinery manufacturing	<1	21	27	128
Air purification and ventilation equipment manufacturing	<1	7	8	26
Heating equipment (except warm air furnaces) manufacturing	<1	61	78	349
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	177	235	717
Industrial mold manufacturing	<1	32	35	98
Special tool, die, jig, and fixture manufacturing	<1	1	2	4
Cutting tool and machine tool accessory manufacturing	<1	114	123	332
Machine tool manufacturing	<1	5	6	23
Rolling mill and other metalworking machinery manufacturing	<1	2	2	9
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3	3	7
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	2	6	18
Pump and pumping equipment manufacturing	<1	4	6	24
Air and gas compressor manufacturing	<1	2	2	7
Elevator and moving stairway manufacturing	<1	<1	<1	1

## Appendix

Conveyor and conveying equipment manufacturing	<1	5	6	22
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	5	29
Industrial truck, trailer, and stacker manufacturing	<1	0	<1	<1
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	3	4	16
Packaging machinery manufacturing	<1	0	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	9	10	23
Fluid power pump and motor manufacturing	<1	2	3	16
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7	8	29
Electronic computer manufacturing	<1	2	2	9
Computer storage device manufacturing	<1	13	16	47
Computer terminals and other computer peripheral equipment manufacturing	<1	750	939	2,884
Telephone apparatus manufacturing	<1	14	19	49
Broadcast and wireless communications equipment manufacturing	<1	5	6	15
Other communications equipment manufacturing	<1	41	55	173
Audio and video equipment manufacturing	<1	<1	<1	4
Printed circuit assembly (electronic assembly) manufacturing	<1	17	24	174
Bare printed circuit board manufacturing	<1	15	17	55
Semiconductor and related device manufacturing	<1	853	1,157	4,260
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	8	10	36
Electronic connector manufacturing	<1	349	412	1,552
Other electronic component manufacturing	<1	5	6	32



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	21	26	94
Totalizing fluid meter and counting device manufacturing	<1	7	10	27
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	3
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	7	8	33
Blank magnetic and optical recording media manufacturing	<1	70	169	768
Software and other prerecorded and record reproducing	<1	61	77	189
Electric lamp bulb and part manufacturing	<1	2	3	10
Lighting fixture manufacturing	<1	11	13	40
Small electrical appliance manufacturing	<1	36	56	297
Household cooking appliance manufacturing	<1	4	6	28
Household refrigerator and home freezer manufacturing	<1	7	9	33
Household laundry equipment manufacturing	<1	17	21	92
Other major household appliance manufacturing	<1	3	5	18
Power, distribution, and specialty transformer manufacturing	<1	49	59	212
Motor and generator manufacturing	<1	5	8	24
Switchgear and switchboard apparatus manufacturing	<1	20	28	113
Relay and industrial control manufacturing	<1	3	3	14
Storage battery manufacturing	<1	15	19	83
Primary battery manufacturing	<1	4	-7	15
Fiber optic cable manufacturing	<1	108	140	818

## Appendix

Other communication and energy wire manufacturing	<1	2	2	11
Wiring device manufacturing	<1	40	55	171
Carbon and graphite product manufacturing	<1	76	98	353
All other miscellaneous electrical equipment and component manufacturing	<1	6	7	26
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	22	52	494
Heavy duty truck manufacturing	<1	20	34	262
Motor vehicle body manufacturing	<1	4	5	21
Truck trailer manufacturing	<1	15	18	75
Motor home manufacturing	<1	686	1,022	4,816
Travel trailer and camper manufacturing	<1	5,496	6,222	30,635
Motor vehicle gasoline engine and engine parts manufacturing	<1	43	60	435
Motor vehicle electrical and electronic equipment manufacturing	<1	1,203	1,453	6,589
Motor vehicle transmission and power train parts manufacturing	<1	30	38	234
Motor vehicle seating and interior trim manufacturing	<1	9	10	54
Motor vehicle metal stamping	<1	27	32	125
Other motor vehicle parts manufacturing	<1	233	289	2,063
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	77	98	412
Aircraft manufacturing	<1	8	13	48
Aircraft engine and engine parts manufacturing	<1	32	59	184
Other aircraft parts and auxiliary equipment manufacturing	<1	19,331	24,031	78,649
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	<1	6	8	23
Boat building	<1	527	692	2,933
Motorcycle, bicycle, and parts manufacturing	<1	118	256	835

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	157	254	1,270
Wood kitchen cabinet and countertop manufacturing	<1	493	543	1,619
Upholstered household furniture manufacturing	<1	416	439	1,759
Nonupholstered wood household furniture manufacturing	<1	86	91	292
Other household nonupholstered furniture manufacturing	<1	23	30	153
Institutional furniture manufacturing	<1	3	3	14
Wood office furniture manufacturing	<1	1	1	5
Custom architectural woodwork and millwork	<1	8	8	28
Office furniture, except wood, manufacturing	<1	<1	1	4
Showcase, partition, shelving, and locker manufacturing	<1	18	20	90
Mattress manufacturing	<1	10	13	85
Blind and shade manufacturing	<1	3	4	15
Surgical and medical instrument manufacturing	<1	23	35	97
Surgical appliance and supplies manufacturing	<1	46	88	320
Dental equipment and supplies manufacturing	<1	<1	1	5
Ophthalmic goods manufacturing	<1	6	12	30
Dental laboratories	<1	76	86	209
Jewelry and silverware manufacturing	<1	168	300	906
Sporting and athletic goods manufacturing	<1	224	340	1,874
Doll, toy, and game manufacturing	<1	29	55	224
Office supplies (except paper) manufacturing	<1	31	49	224
Sign manufacturing	<1	518	473	1,869
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	<1	1	5
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	9	13	62
All other miscellaneous manufacturing	<1	460	659	2,511
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,067	9,602	22,561
Wholesale - Professional and commercial equipment and supplies	<1	17,489	28,036	49,579
Wholesale - Household appliances and electrical and electronic goods	<1	7,926	20,226	38,799
Wholesale - Machinery, equipment, and supplies	<1	11,259	22,102	40,236
Wholesale - Other durable goods merchant wholesalers	<1	16,889	32,123	66,954
Wholesale - Drugs and druggistsâ€™ sundries	<1	8,089	21,315	44,399
Wholesale - Grocery and related product wholesalers	<1	14,046	22,333	45,503
Wholesale - Petroleum and petroleum products	<1	1,934	26,655	34,245
Wholesale - Other nondurable goods merchant wholesalers	<1	24,975	55,723	115,216
Wholesale - Wholesale electronic markets and agents and brokers	<1	6,025	7,001	8,585
Retail - Motor vehicle and parts dealers	<1	20,963	28,519	40,670
Retail - Furniture and home furnishings stores	<1	10,769	13,915	22,252
Retail - Electronics and appliance stores	<1	8,807	7,544	13,894
Retail - Building material and garden equipment and supplies stores	<1	11,896	20,717	30,520
Retail - Food and beverage stores	<1	37,454	47,750	75,259
Retail - Health and personal care stores	<1	14,841	18,345	29,220
Retail - Gasoline stores	<1	15,099	23,852	41,841
Retail - Clothing and clothing accessories stores	<1	8,651	13,727	30,610
Retail - Sporting goods, hobby, musical instrument and book stores	<1	8,536	11,397	19,459
Retail - General merchandise stores	<1	27,733	40,998	68,616
Retail - Miscellaneous store retailers	<1	20,357	19,836	32,860
Retail - Nonstore retailers	<1	42,489	76,840	136,983
Air transportation	<1	9,093	20,184	49,085

## Appendix

Rail transportation	<1	3,147	11,917	19,062
Water transportation	<1	368	580	3,595
Truck transportation	<1	34,412	53,312	112,846
Transit and ground passenger transportation	<1	6,619	9,126	14,223
Pipeline transportation	<1	969	2,831	4,619
Scenic and sightseeing transportation and support activities for transportation	<1	21,521	17,622	29,515
Couriers and messengers	<1	17,767	30,680	37,564
Warehousing and storage	<1	7,408	7,977	14,494
Newspaper publishers	<1	2,882	3,760	6,442
Periodical publishers	<1	1,036	1,216	3,017
Book publishers	<1	1,135	2,009	7,237
Directory, mailing list, and other publishers	<1	475	794	1,714
Greeting card publishing	0	0	0	0
Software publishers	<1	19,468	27,638	46,635
Motion picture and video industries	<1	2,942	4,884	17,205
Sound recording industries	<1	466	1,719	4,093
Radio and television broadcasting	<1	8,249	11,860	46,652
Cable and other subscription programming	<1	1,353	7,650	28,507
Wired telecommunications carriers	<1	5,969	10,768	25,147
Wireless telecommunications carriers (except satellite)	<1	2,010	12,146	39,092
Satellite, telecommunications resellers, and all other telecommunications	<1	3,084	3,352	9,188
Data processing, hosting, and related services	<1	14,631	30,825	89,070
News syndicates, libraries, archives and all other information services	<1	11,237	18,427	39,983
Internet publishing and broadcasting and web search portals	<1	15,359	43,512	169,454
Nondepository credit intermediation and related activities	<1	24,677	26,357	41,980
Securities and commodity contracts intermediation and brokerage	<1	20,134	12,433	40,299
Monetary authorities and depository credit intermediation	<1	69,765	201,083	332,539

## Appendix

Other financial investment activities	<1	23,309	24,350	90,168
Direct life insurance carriers	<1	1,710	3,003	4,677
Insurance carriers, except direct life	<1	34,090	88,309	239,174
Insurance agencies, brokerages, and related activities	<1	31,829	46,058	130,046
Funds, trusts, and other financial vehicles	<1	5,676	13,348	50,300
Other real estate	5	144,034	352,592	974,442
Tenant-occupied housing	<1	6,036	80,206	85,461
Owner-occupied dwellings	0	0	440,643	531,783
Automotive equipment rental and leasing	<1	4,119	11,275	16,785
General and consumer goods rental except video tapes and discs	<1	5,363	9,106	14,545
Video tape and disc rental	<1	1,280	2,186	3,651
Commercial and industrial machinery and equipment rental and leasing	<1	5,670	13,252	19,099
Lessors of nonfinancial intangible assets	<1	380	11,109	12,269
Legal services	<1	74,870	109,976	176,434
Accounting, tax preparation, bookkeeping, and payroll services	<1	30,665	42,173	71,685
Architectural, engineering, and related services	<1	43,531	49,148	95,750
Specialized design services	<1	2,501	4,788	9,210
Custom computer programming services	<1	18,268	18,362	26,985
Computer systems design services	<1	11,588	10,576	14,359
Other computer related services, including facilities management	<1	15,721	19,156	40,477
Management consulting services	1	107,601	111,616	199,750
Environmental and other technical consulting services	<1	32,887	36,509	60,897
Scientific research and development services	24	2,144,913	2,478,386	5,434,240
Advertising, public relations, and related services	<1	16,425	30,048	67,472
Photographic services	<1	6,052	16,817	36,765
Veterinary services	<1	4,789	5,585	9,178
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	44,796	86,125	197,850
Management of companies and enterprises	1	118,035	134,066	234,917

## Appendix

Office administrative services	<1	37,201	19,780	43,401
Facilities support services	<1	1,088	1,557	3,734
Employment services	3	132,841	193,823	318,482
Business support services	<1	27,129	24,386	41,535
Travel arrangement and reservation services	<1	4,586	7,913	27,399
Investigation and security services	<1	7,507	7,674	11,316
Services to buildings	<1	17,684	26,409	58,693
Landscape and horticultural services	<1	16,768	21,250	41,218
Other support services	<1	4,825	6,391	14,086
Waste management and remediation services	<1	17,638	26,422	47,930
Elementary and secondary schools	<1	7,901	6,308	8,145
Junior colleges, colleges, universities, and professional schools	6	181,267	225,560	359,791
Other educational services	<1	10,398	11,484	23,701
Offices of physicians	<1	84,016	84,226	123,728
Offices of dentists	<1	25,707	29,358	42,667
Offices of other health practitioners	<1	17,523	24,123	32,317
Outpatient care centers	<1	17,654	17,314	29,136
Medical and diagnostic laboratories	<1	7,122	10,325	14,475
Home health care services	<1	24,449	24,199	33,308
Other ambulatory health care services	<1	7,097	8,017	12,371
Hospitals	2	175,054	203,375	357,398
Nursing and community care facilities	<1	18,362	19,735	32,891
Residential mental retardation, mental health, substance abuse and other facilities	<1	7,831	8,001	12,360
Individual and family services	<1	24,404	21,471	30,821
Child day care services	<1	8,299	12,238	17,032
Community food, housing, and other relief services, including rehabilitation services	<1	4,427	4,133	9,978
Performing arts companies	<1	2,474	4,619	12,185
Commercial Sports Except Racing	<1	2,105	2,194	4,954
Racing and Track Operation	<1	450	750	1,885
Independent artists, writers, and performers	<1	3,155	9,331	18,875

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,516	6,592	21,006
Museums, historical sites, zoos, and parks	<1	647	820	1,572
Amusement parks and arcades	<1	645	1,717	2,069
Gambling industries (except casino hotels)	<1	2,575	10,553	14,190
Other amusement and recreation industries	<1	4,892	5,726	8,072
Fitness and recreational sports centers	<1	3,298	4,365	7,017
Bowling centers	<1	492	819	1,370
Hotels and motels, including casino hotels	<1	1,603	4,121	6,290
Other accommodations	<1	485	602	864
Full-service restaurants	2	52,534	76,715	151,378
Limited-service restaurants	1	39,931	59,721	142,505
All other food and drinking places	1	33,092	50,759	86,787
Automotive repair and maintenance, except car washes	<1	40,573	45,511	66,438
Car washes	<1	21,767	29,900	44,392
Electronic and precision equipment repair and maintenance	<1	9,099	11,657	19,120
Commercial and industrial machinery and equipment repair and maintenance	<1	13,368	16,004	24,421
Personal and household goods repair and maintenance	<1	4,629	8,641	12,280
Personal care services	<1	7,986	5,491	6,961
Death care services	<1	2,124	1,630	2,375
Dry-cleaning and laundry services	<1	5,713	4,082	5,458
Other personal services	<1	7,713	9,844	14,765
Religious organizations	<1	16,276	8,853	26,554
Grantmaking, giving, and social advocacy organizations	<1	4,538	14,327	21,148
Business and professional associations	<1	4,942	8,192	14,175
Labor and civic organizations	<1	3,543	10,784	19,639
Private households	<1	3,526	3,526	3,526
Postal service	<1	13,143	13,232	13,237
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	355	-1,271	402
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	14,273	22,452	42,578
Local government passenger transit	<1	545	140	519
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	12,591	27,993	77,257
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	1,031,596	1,639,119	2,776,570

## Moon to Mars Campaign

**Table 662: Detailed M2M Campaign Impacts by Types of Impact, Idaho**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	4	366,784	485,240	814,407
Oilseed farming	<1	9	74	86
Grain farming	<1	398	1,878	3,342
Vegetable and melon farming	<1	163	424	707
Fruit farming	<1	26	65	84
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	27	61	96
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	81	168	282
All other crop farming	<1	57	124	204
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	123	674	1,317
Dairy cattle and milk production	<1	167	538	2,120
Poultry and egg production	<1	16	38	310
Animal production, except cattle and poultry and eggs	<1	221	1,101	1,230
Forestry, forest products, and timber tract production	<1	4	5	6
Commercial logging	<1	40	51	71
Commercial fishing	<1	40	31	31
Commercial hunting and trapping	<1	16	35	38
Support activities for agriculture and forestry	<1	382	405	444
Oil and gas extraction	<1	3	7	485
Coal mining	<1	<1	<1	<1
Copper, nickel, lead, and zinc mining	<1	7	41	66
Iron ore mining	0	0	0	0
Gold ore mining	<1	77	295	566
Silver ore mining	<1	9	24	49
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	2	4	7
Stone mining and quarrying	<1	10	47	80
Sand and gravel mining	<1	18	37	67
Other clay, ceramic, refractory minerals mining	<1	<1	<1	2
Potash, soda, and borate mineral mining	<1	5	7	14
Phosphate rock mining	<1	3	6	12
Other chemical and fertilizer mineral mining	<1	2	4	8
Other nonmetallic minerals	<1	6	13	24
Drilling oil and gas wells	0	0	0	0
Support activities for oil and gas operations	<1	0	<1	<1
Metal mining services	<1	2	<1	21
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	<1	66	157	326

## Appendix

Electric power generation - Fossil fuel	<1	12	40	99
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	11	24	47
Electric power generation - Wind	<1	12	102	197
Electric power generation - Geothermal	<1	13	27	49
Electric power generation - Biomass	<1	8	23	61
Electric power generation - All other	<1	2	0	<1
Electric power transmission and distribution	<1	737	2,490	6,090
Natural gas distribution	<1	145	500	1,095
Water, sewage and other systems	<1	104	212	418
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	596	903	2,390
Maintenance and repair construction of residential structures	<1	436	611	1,537
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	<1	3	8	26
Other animal food manufacturing	<1	48	100	734
Flour milling	<1	25	60	348

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	9	18	103
Wet corn milling	<1	30	81	410
Soybean and other oilseed processing	<1	<1	6	58
Fats and oils refining and blending	<1	<1	2	16
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	<1	77	161	639
Sugar cane mills and refining	<1	8	29	99
Nonchocolate confectionery manufacturing	<1	2	3	9
Chocolate and confectionery manufacturing from cacao beans	<1	3	5	31
Confectionery manufacturing from purchased chocolate	<1	1	2	16
Frozen fruits, juices and vegetables manufacturing	<1	98	250	695
Frozen specialties manufacturing	<1	72	105	472
Canned fruits and vegetables manufacturing	<1	8	19	62
Canned specialties	<1	2	4	16
Dehydrated food products manufacturing	<1	79	162	535
Cheese manufacturing	<1	217	328	2,957
Dry, condensed, and evaporated dairy product manufacturing	<1	29	82	442
Fluid milk manufacturing	<1	128	232	1,159
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	1	5
Frozen cakes and other pastries manufacturing	<1	42	57	100
Poultry processing	<1	21	27	87
Animal, except poultry, slaughtering	<1	80	105	894
Meat processed from carcasses	<1	291	284	2,141
Rendering and meat byproduct processing	<1	2	3	14
Seafood product preparation and packaging	<1	4	5	33
Bread and bakery product, except frozen, manufacturing	<1	157	231	537
Cookie and cracker manufacturing	<1	51	82	253
Dry pasta, mixes, and dough manufacturing	<1	37	98	316
Tortilla manufacturing	<1	20	28	86

## Appendix

Roasted nuts and peanut butter manufacturing	<1	9	11	65
Other snack food manufacturing	<1	10	16	77
Coffee and tea manufacturing	<1	4	10	50
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	13	28	97
Spice and extract manufacturing	<1	<1	<1	<1
All other food manufacturing	<1	49	76	278
Bottled and canned soft drinks & water	<1	79	159	741
Manufactured ice	<1	4	3	15
Breweries	<1	57	136	455
Wineries	<1	57	110	413
Distilleries	<1	6	30	70
Tobacco product manufacturing	<1	<1	9	13
Fiber, yarn, and thread mills	<1	0	0	5
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	0	1
Fabric coating mills	<1	2	2	9
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	0	<1	1
Textile bag and canvas mills	<1	2	2	8
Rope, cordage, twine, tire cord and tire fabric mills	<1	2	3	11
Other textile product mills	<1	8	9	28
Hosiery and sock mills	<1	0	<1	<1
Other apparel knitting mills	<1	0	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	1
Apparel accessories and other apparel manufacturing	<1	4	4	14
Leather and hide tanning and finishing	<1	0	0	2
Footwear manufacturing	<1	<1	<1	2
Other leather and allied product manufacturing	<1	<1	<1	2

Appendix

Sawmills	<1	77	111	319
Wood preservation	<1	3	7	27
Veneer and plywood manufacturing	<1	19	26	64
Engineered wood member and truss manufacturing	<1	24	32	91
Reconstituted wood product manufacturing	<1	2	5	19
Wood windows and door manufacturing	<1	74	86	217
Cut stock, resawing lumber, and planing	<1	16	25	67
Other millwork, including flooring	<1	31	41	111
Wood container and pallet manufacturing	<1	38	45	118
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	8	11	30
All other miscellaneous wood product manufacturing	<1	22	27	78
Pulp mills	0	0	0	0
Paper mills	<1	28	51	182
Paperboard mills	<1	5	10	34
Paperboard container manufacturing	<1	71	104	409
Paper bag and coated and treated paper manufacturing	<1	15	21	70
Stationery product manufacturing	<1	4	4	16
Sanitary paper product manufacturing	<1	52	145	457
All other converted paper product manufacturing	<1	19	31	96
Printing	<1	188	325	706
Support activities for printing	<1	3	5	7
Petroleum refineries	<1	<1	10	374
Asphalt paving mixture and block manufacturing	<1	<1	<1	5
Asphalt shingle and coating materials manufacturing	<1	<1	3	14
Petroleum lubricating oil and grease manufacturing	<1	4	9	47
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	<1	5	49
Industrial gas manufacturing	<1	14	24	161

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	0	0	<1
Other basic organic chemical manufacturing	<1	5	7	90
Plastics material and resin manufacturing	<1	0	0	3
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	15	27	226
Phosphatic fertilizer manufacturing	<1	16	24	124
Fertilizer mixing	<1	<1	1	4
Pesticide and other agricultural chemical manufacturing	<1	2	4	25
Medicinal and botanical manufacturing	<1	3	4	15
Pharmaceutical preparation manufacturing	<1	4	6	26
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	2	3	12
Paint and coating manufacturing	<1	1	1	8
Adhesive manufacturing	<1	<1	<1	<1
Soap and other detergent manufacturing	<1	<1	1	16
Polish and other sanitation good manufacturing	<1	<1	<1	2
Surface active agent manufacturing	<1	0	<1	3
Toilet preparation manufacturing	<1	33	51	233
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	22	29	130
Other miscellaneous chemical product manufacturing	<1	31	36	178
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	7	12	50
Unlaminated plastics profile shape manufacturing	<1	3	7	28
Plastics pipe and pipe fitting manufacturing	<1	6	20	83

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	6	21
Polystyrene foam product manufacturing	<1	10	20	69
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	1	3
Plastics bottle manufacturing	<1	1	2	8
Other plastics product manufacturing	<1	66	106	338
Tire manufacturing	<1	25	34	148
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	2
Other rubber product manufacturing	<1	2	2	6
Pottery, ceramics, and plumbing fixture manufacturing	<1	1	2	3
Brick, tile, and other structural clay product manufacturing	<1	<1	1	3
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	<1	<1	<1
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	5	7	23
Cement manufacturing	<1	2	3	10
Ready-mix concrete manufacturing	<1	35	48	194
Concrete block and brick manufacturing	<1	8	12	41
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	6	8	24
Lime manufacturing	<1	<1	<1	1
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	2	4	10
Cut stone and stone product manufacturing	<1	13	16	43
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	<1	<1
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	1	3
Iron and steel mills and ferroalloy manufacturing	<1	<1	6	34
Iron, steel pipe and tube manufacturing from purchased steel	<1	0	1	5



## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	<1	2	7
Alumina refining and primary aluminum production	<1	0	2	9
Secondary smelting and alloying of aluminum	<1	0	0	1
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	0	0	<1
Nonferrous metal (exc aluminum) smelting and refining	<1	0	2	4
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	0	<1	<1
Secondary processing of other nonferrous metals	<1	0	<1	2
Ferrous metal foundries	<1	0	2	3
Nonferrous metal foundries	<1	<1	3	9
Custom roll forming	<1	<1	1	11
Crown and closure manufacturing and metal stamping	<1	<1	<1	2
Iron and steel forging	<1	1	2	10
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	21	41	168
Handtool manufacturing	<1	2	4	10
Prefabricated metal buildings and components manufacturing	<1	2	2	10
Fabricated structural metal manufacturing	<1	12	18	74
Plate work manufacturing	<1	6	7	29
Metal window and door manufacturing	<1	<1	1	4
Sheet metal work manufacturing	<1	19	25	85
Ornamental and architectural metal work manufacturing	<1	5	6	21
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	3	3	11
Metal cans manufacturing	<1	1	3	14
Metal barrels, drums and pails manufacturing	<1	<1	<1	3
Hardware manufacturing	<1	3	4	17
Spring and wire product manufacturing	<1	<1	<1	2

## Appendix

Machine shops	<1	36	42	106
Turned product and screw, nut, and bolt manufacturing	<1	6	7	25
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	3	4	18
Electroplating, anodizing, and coloring metal	<1	4	4	12
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	4
Plumbing fixture fitting and trim manufacturing	<1	3	6	32
Ball and roller bearing manufacturing	<1	4	6	19
Small arms ammunition manufacturing	<1	486	1,008	2,857
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	25	49	163
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	4
Other fabricated metal manufacturing	<1	20	25	92
Farm machinery and equipment manufacturing	<1	3	4	26
Lawn and garden equipment manufacturing	<1	2	2	15
Construction machinery manufacturing	<1	2	3	13
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	<1	<1	2
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	0	0	<1
Optical instrument and lens manufacturing	<1	0	0	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	1	6

## Appendix

Air purification and ventilation equipment manufacturing	<1	<1	<1	<1
Heating equipment (except warm air furnaces) manufacturing	<1	3	4	17
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7	9	28
Industrial mold manufacturing	<1	<1	<1	2
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	2	2	6
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	<1	0	0	<1
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	0	0	<1
Air and gas compressor manufacturing	<1	0	0	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	0	0	<1
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	<1	<1
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	0	0	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	0	0	<1

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	0	0	<1
Computer storage device manufacturing	<1	<1	<1	2
Computer terminals and other computer peripheral equipment manufacturing	<1	20	26	77
Telephone apparatus manufacturing	<1	<1	<1	1
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	1	2	6
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	1	6
Bare printed circuit board manufacturing	<1	<1	<1	2
Semiconductor and related device manufacturing	<1	38	55	180
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	0	0	1
Electronic connector manufacturing	<1	7	8	30
Other electronic component manufacturing	<1	0	0	1
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	<1	0	<1	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	3
Blank magnetic and optical recording media manufacturing	<1	4	9	36
Software and other prerecorded and record reproducing	<1	2	2	5
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	<1	<1	2
Small electrical appliance manufacturing	<1	2	3	16
Household cooking appliance manufacturing	<1	0	0	1
Household refrigerator and home freezer manufacturing	<1	0	0	1
Household laundry equipment manufacturing	<1	1	1	4
Other major household appliance manufacturing	<1	0	0	<1
Power, distribution, and specialty transformer manufacturing	<1	1	2	5
Motor and generator manufacturing	<1	0	0	1
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	3
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	<1	<1	1	4
Primary battery manufacturing	<1	<1	0	1
Fiber optic cable manufacturing	<1	3	4	24
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	2	2	7
Carbon and graphite product manufacturing	<1	1	2	6
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	1	3	25
Heavy duty truck manufacturing	<1	<1	2	11
Motor vehicle body manufacturing	<1	<1	<1	1
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	<1	24	37	170
Travel trailer and camper manufacturing	<1	242	271	1,357

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	2	2	16
Motor vehicle electrical and electronic equipment manufacturing	<1	42	50	217
Motor vehicle transmission and power train parts manufacturing	<1	2	2	8
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	2
Motor vehicle metal stamping	<1	<1	<1	2
Other motor vehicle parts manufacturing	<1	9	10	76
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3	4	17
Aircraft manufacturing	<1	0	0	<1
Aircraft engine and engine parts manufacturing	<1	<1	<1	<1
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	<1	<1	<1
Boat building	<1	24	31	132
Motorcycle, bicycle, and parts manufacturing	<1	6	12	41
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7	10	53
Wood kitchen cabinet and countertop manufacturing	<1	22	24	72
Upholstered household furniture manufacturing	<1	30	32	127
Nonupholstered wood household furniture manufacturing	<1	5	6	18
Other household nonupholstered furniture manufacturing	<1	2	2	9
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	0	0	<1
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	3
Mattress manufacturing	<1	<1	<1	5
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	1	2	6
Surgical appliance and supplies manufacturing	<1	3	6	19
Dental equipment and supplies manufacturing	<1	0	0	<1
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	6	7	16
Jewelry and silverware manufacturing	<1	10	18	54
Sporting and athletic goods manufacturing	<1	15	23	123
Doll, toy, and game manufacturing	<1	2	4	15
Office supplies (except paper) manufacturing	<1	1	2	9
Sign manufacturing	<1	16	15	59
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	<1	<1	<1
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	<1	<1	2
All other miscellaneous manufacturing	<1	23	34	125
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	209	491	1,160
Wholesale - Professional and commercial equipment and supplies	<1	824	1,322	2,312
Wholesale - Household appliances and electrical and electronic goods	<1	329	827	1,592
Wholesale - Machinery, equipment, and supplies	<1	338	661	1,205
Wholesale - Other durable goods merchant wholesalers	<1	739	1,405	2,929

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	451	1,168	2,418
Wholesale - Grocery and related product wholesalers	<1	772	1,214	2,472
Wholesale - Petroleum and petroleum products	<1	83	1,416	1,767
Wholesale - Other nondurable goods merchant wholesalers	<1	1,268	2,935	5,947
Wholesale - Wholesale electronic markets and agents and brokers	<1	294	340	417
Retail - Motor vehicle and parts dealers	<1	1,146	1,574	2,230
Retail - Furniture and home furnishings stores	<1	623	812	1,283
Retail - Electronics and appliance stores	<1	507	443	796
Retail - Building material and garden equipment and supplies stores	<1	616	1,085	1,585
Retail - Food and beverage stores	<1	2,273	2,903	4,505
Retail - Health and personal care stores	<1	874	1,085	1,701
Retail - Gasoline stores	<1	881	1,341	2,278
Retail - Clothing and clothing accessories stores	<1	509	811	1,761
Retail - Sporting goods, hobby, musical instrument and book stores	<1	507	677	1,130
Retail - General merchandise stores	<1	1,574	2,348	3,866
Retail - Miscellaneous store retailers	<1	1,199	1,175	1,895
Retail - Nonstore retailers	<1	2,398	4,453	7,906
Air transportation	<1	426	988	2,336
Rail transportation	<1	134	468	783
Water transportation	<1	13	21	126
Truck transportation	<1	1,656	2,536	5,299
Transit and ground passenger transportation	<1	356	488	692
Pipeline transportation	<1	29	101	166
Scenic and sightseeing transportation and support activities for transportation	<1	690	555	927
Couriers and messengers	<1	867	1,454	1,780
Warehousing and storage	<1	368	398	712
Newspaper publishers	<1	115	162	265
Periodical publishers	<1	47	62	141
Book publishers	<1	54	106	359



## Appendix

Directory, mailing list, and other publishers	<1	16	29	62
Greeting card publishing	0	0	0	0
Software publishers	<1	942	1,451	2,358
Motion picture and video industries	<1	177	307	942
Sound recording industries	<1	24	94	205
Radio and television broadcasting	<1	350	489	1,739
Cable and other subscription programming	<1	72	380	1,305
Wired telecommunications carriers	<1	239	436	1,017
Wireless telecommunications carriers (except satellite)	<1	80	517	1,624
Satellite, telecommunications resellers, and all other telecommunications	<1	120	123	348
Data processing, hosting, and related services	<1	529	1,139	3,146
News syndicates, libraries, archives and all other information services	<1	116	197	438
Internet publishing and broadcasting and web search portals	<1	650	1,928	6,470
Nondepository credit intermediation and related activities	<1	1,353	1,449	2,249
Securities and commodity contracts intermediation and brokerage	<1	1,071	650	1,929
Monetary authorities and depository credit intermediation	<1	2,489	7,805	12,371
Other financial investment activities	<1	1,632	1,705	5,621
Direct life insurance carriers	<1	92	161	247
Insurance carriers, except direct life	<1	1,585	4,059	10,856
Insurance agencies, brokerages, and related activities	<1	1,439	2,060	5,758
Funds, trusts, and other financial vehicles	<1	374	882	3,047
Other real estate	<1	4,380	9,840	26,034
Tenant-occupied housing	<1	413	5,182	5,473
Owner-occupied dwellings	0	0	26,619	32,124
Automotive equipment rental and leasing	<1	185	518	758

## Appendix

General and consumer goods rental except video tapes and discs	<1	258	436	692
Video tape and disc rental	<1	74	127	212
Commercial and industrial machinery and equipment rental and leasing	<1	224	528	758
Lessors of nonfinancial intangible assets	<1	10	312	344
Legal services	<1	1,726	2,599	4,105
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,105	1,559	2,594
Architectural, engineering, and related services	<1	842	959	1,848
Specialized design services	<1	97	194	358
Custom computer programming services	<1	499	499	728
Computer systems design services	<1	373	341	458
Other computer related services, including facilities management	<1	529	645	1,339
Management consulting services	<1	2,343	2,437	4,279
Environmental and other technical consulting services	<1	397	459	764
Scientific research and development services	<1	32,502	37,497	80,149
Advertising, public relations, and related services	<1	587	1,109	2,394
Photographic services	<1	29	88	187
Veterinary services	<1	279	331	532
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	950	1,882	4,205
Management of companies and enterprises	<1	3,285	3,761	6,468
Office administrative services	<1	1,116	612	1,272
Facilities support services	<1	30	43	102
Employment services	<1	3,284	4,839	7,684
Business support services	<1	832	753	1,238
Travel arrangement and reservation services	<1	191	329	1,066
Investigation and security services	<1	266	272	394
Services to buildings	<1	572	863	1,859
Landscape and horticultural services	<1	608	774	1,464
Other support services	<1	182	241	514
Waste management and remediation services	<1	648	967	1,746

## Appendix

Elementary and secondary schools	<1	524	413	527
Junior colleges, colleges, universities, and professional schools	<1	7,553	9,357	15,079
Other educational services	<1	646	716	1,449
Offices of physicians	<1	4,801	4,824	7,062
Offices of dentists	<1	1,549	1,803	2,601
Offices of other health practitioners	<1	1,005	1,436	1,907
Outpatient care centers	<1	1,155	1,138	1,898
Medical and diagnostic laboratories	<1	439	666	910
Home health care services	<1	1,475	1,464	2,001
Other ambulatory health care services	<1	422	484	737
Hospitals	<1	11,058	12,958	22,598
Nursing and community care facilities	<1	1,181	1,269	2,068
Residential mental retardation, mental health, substance abuse and other facilities	<1	531	543	824
Individual and family services	<1	1,696	1,527	2,158
Child day care services	<1	511	805	1,086
Community food, housing, and other relief services, including rehabilitation services	<1	322	302	701
Performing arts companies	<1	149	270	675
Commercial Sports Except Racing	<1	98	106	234
Racing and Track Operation	<1	30	47	114
Independent artists, writers, and performers	<1	150	416	818
Promoters of performing arts and sports and agents for public figures	<1	148	360	1,090
Museums, historical sites, zoos, and parks	<1	44	55	103
Amusement parks and arcades	<1	44	115	138
Gambling industries (except casino hotels)	<1	173	724	954
Other amusement and recreation industries	<1	282	330	458
Fitness and recreational sports centers	<1	202	273	425
Bowling centers	<1	29	50	81
Hotels and motels, including casino hotels	<1	87	214	326
Other accommodations	<1	38	47	66

## Appendix

Full-service restaurants	<1	2,680	3,905	7,557
Limited-service restaurants	<1	2,295	3,423	7,918
All other food and drinking places	<1	1,575	2,393	4,020
Automotive repair and maintenance, except car washes	<1	2,283	2,471	3,599
Car washes	<1	1,200	1,651	2,436
Electronic and precision equipment repair and maintenance	<1	282	363	582
Commercial and industrial machinery and equipment repair and maintenance	<1	493	585	881
Personal and household goods repair and maintenance	<1	199	349	500
Personal care services	<1	499	302	391
Death care services	<1	135	93	138
Dry-cleaning and laundry services	<1	242	154	210
Other personal services	<1	365	452	675
Religious organizations	<1	1,186	543	1,775
Grantmaking, giving, and social advocacy organizations	<1	365	971	1,462
Business and professional associations	<1	241	363	630
Labor and civic organizations	<1	259	672	1,249
Private households	<1	219	219	219
Postal service	<1	590	594	594
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	20	-86	24
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	425	625	1,175
Local government passenger transit	<1	25	3	18
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	568	1,024	3,080
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	210,720	231,993	330,616

## Investments in Climate Change Research and Technology

**Table 663: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	33	2,238,258	3,270,627	6,686,360
Oilseed farming	<1	42	291	338
Grain farming	<1	3,161	11,170	25,166
Vegetable and melon farming	<1	990	2,451	4,177
Fruit farming	<1	123	298	406
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	211	455	753
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	719	1,532	2,609
All other crop farming	<1	583	1,202	2,044
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	1,528	6,536	14,021
Dairy cattle and milk production	<1	967	2,768	12,395
Poultry and egg production	<1	157	324	3,126
Animal production, except cattle and poultry and eggs	<1	3,174	12,582	14,019
Forestry, forest products, and timber tract production	<1	40	46	62

## Appendix

Commercial logging	<1	455	567	834
Commercial fishing	<1	36	236	239
Commercial hunting and trapping	<1	69	261	307
Support activities for agriculture and forestry	<1	4,846	5,088	5,523
Oil and gas extraction	<1	60	102	6,307
Coal mining	<1	5	20	33
Copper, nickel, lead, and zinc mining	<1	40	202	327
Iron ore mining	0	0	0	0
Gold ore mining	<1	753	2,869	5,502
Silver ore mining	<1	154	395	803
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	40	101	185
Stone mining and quarrying	<1	128	699	1,176
Sand and gravel mining	<1	302	645	1,190
Other clay, ceramic, refractory minerals mining	<1	6	15	26
Potash, soda, and borate mineral mining	<1	39	65	128
Phosphate rock mining	<1	27	59	113
Other chemical and fertilizer mineral mining	<1	25	42	87
Other nonmetallic minerals	<1	118	249	474
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	2	3	8
Metal mining services	<1	62	21	590
Other nonmetallic minerals services	<1	1	2	18
Electric power generation - Hydroelectric	<1	462	1,117	2,341
Electric power generation - Fossil fuel	<1	95	377	944
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	83	197	401
Electric power generation - Wind	<1	218	2,007	4,017
Electric power generation - Geothermal	<1	35	73	127
Electric power generation - Biomass	<1	49	143	372
Electric power generation - All other	<1	19	-4	8
Electric power transmission and distribution	<1	7,450	27,711	68,690

## Appendix

Natural gas distribution	<1	1,105	4,026	9,170
Water, sewage and other systems	<1	785	1,744	3,632
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,010	11,640	32,564
Maintenance and repair construction of residential structures	<1	2,731	3,709	9,851
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	2	6
Dog and cat food manufacturing	<1	17	52	174
Other animal food manufacturing	<1	503	991	7,606
Flour milling	<1	232	565	3,147
Rice milling	0	0	0	0
Malt manufacturing	<1	42	86	452
Wet corn milling	<1	310	728	4,397
Soybean and other oilseed processing	<1	7	51	444
Fats and oils refining and blending	<1	3	10	96
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	<1	207	479	1,798
Sugar cane mills and refining	<1	48	161	610
Nonchocolate confectionery manufacturing	<1	10	16	49

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	8	13	86
Confectionery manufacturing from purchased chocolate	<1	10	15	101
Frozen fruits, juices and vegetables manufacturing	<1	577	1,371	4,289
Frozen specialties manufacturing	<1	502	747	3,347
Canned fruits and vegetables manufacturing	<1	48	103	340
Canned specialties	<1	15	39	145
Dehydrated food products manufacturing	<1	309	644	2,121
Cheese manufacturing	<1	801	1,236	11,171
Dry, condensed, and evaporated dairy product manufacturing	<1	223	634	3,414
Fluid milk manufacturing	<1	708	1,240	6,387
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	5	8	38
Frozen cakes and other pastries manufacturing	<1	272	369	667
Poultry processing	<1	241	306	958
Animal, except poultry, slaughtering	<1	666	851	7,075
Meat processed from carcasses	<1	2,100	2,032	15,372
Rendering and meat byproduct processing	<1	16	23	106
Seafood product preparation and packaging	<1	27	41	287
Bread and bakery product, except frozen, manufacturing	<1	1,012	1,487	3,482
Cookie and cracker manufacturing	<1	291	440	1,573
Dry pasta, mixes, and dough manufacturing	<1	182	486	1,514
Tortilla manufacturing	<1	147	210	650
Roasted nuts and peanut butter manufacturing	<1	53	66	407
Other snack food manufacturing	<1	66	110	560
Coffee and tea manufacturing	<1	28	57	305
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	97	214	711
Spice and extract manufacturing	<1	<1	<1	3
All other food manufacturing	<1	251	383	1,407
Bottled and canned soft drinks & water	<1	642	1,283	5,949
Manufactured ice	<1	28	22	112



## Appendix

Breweries	<1	338	769	2,592
Wineries	<1	269	530	2,113
Distilleries	<1	54	219	543
Tobacco product manufacturing	<1	2	45	76
Fiber, yarn, and thread mills	<1	6	6	39
Broadwoven fabric mills	<1	0	<1	3
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	2	2	8
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1	1	8
Fabric coating mills	<1	8	10	45
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	1	8
Textile bag and canvas mills	<1	14	17	68
Rope, cordage, twine, tire cord and tire fabric mills	<1	32	39	164
Other textile product mills	<1	67	73	237
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	<1	1	3
Cut and sew apparel contractors	<1	3	3	10
Men's and boys' cut and sew apparel manufacturing	<1	1	1	5
Women's and girls' cut and sew apparel manufacturing	<1	1	2	11
Other cut and sew apparel manufacturing	<1	<1	1	5
Apparel accessories and other apparel manufacturing	<1	20	21	86
Leather and hide tanning and finishing	<1	1	1	17
Footwear manufacturing	<1	3	3	22
Other leather and allied product manufacturing	<1	3	3	17
Sawmills	<1	1,000	1,443	4,080
Wood preservation	<1	47	90	365
Veneer and plywood manufacturing	<1	280	372	912
Engineered wood member and truss manufacturing	<1	271	360	1,002
Reconstituted wood product manufacturing	<1	35	70	300
Wood windows and door manufacturing	<1	1,320	1,550	3,981
Cut stock, resawing lumber, and planing	<1	202	329	837

## Appendix

Other millwork, including flooring	<1	450	608	1,677
Wood container and pallet manufacturing	<1	285	345	904
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	80	114	295
All other miscellaneous wood product manufacturing	<1	181	227	715
Pulp mills	0	0	0	0
Paper mills	<1	265	629	1,914
Paperboard mills	<1	104	217	734
Paperboard container manufacturing	<1	623	959	3,745
Paper bag and coated and treated paper manufacturing	<1	149	237	803
Stationery product manufacturing	<1	34	43	166
Sanitary paper product manufacturing	<1	600	1,702	5,161
All other converted paper product manufacturing	<1	161	277	850
Printing	<1	2,002	3,353	7,862
Support activities for printing	<1	26	47	71
Petroleum refineries	<1	4	98	3,653
Asphalt paving mixture and block manufacturing	<1	5	7	59
Asphalt shingle and coating materials manufacturing	<1	11	33	159
Petroleum lubricating oil and grease manufacturing	<1	38	96	538
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	36	138	1,554
Industrial gas manufacturing	<1	273	396	2,821
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	1	1	11
Other basic organic chemical manufacturing	<1	84	112	1,435
Plastics material and resin manufacturing	<1	4	4	44
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	125	204	2,000

## Appendix

Phosphatic fertilizer manufacturing	<1	241	314	1,712
Fertilizer mixing	<1	10	11	46
Pesticide and other agricultural chemical manufacturing	<1	23	37	267
Medicinal and botanical manufacturing	<1	13	12	61
Pharmaceutical preparation manufacturing	<1	21	28	133
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	10	14	64
Paint and coating manufacturing	<1	13	14	80
Adhesive manufacturing	<1	2	2	7
Soap and other detergent manufacturing	<1	7	10	139
Polish and other sanitation good manufacturing	<1	3	4	20
Surface active agent manufacturing	<1	3	6	41
Toilet preparation manufacturing	<1	229	288	1,441
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	306	394	1,844
Other miscellaneous chemical product manufacturing	<1	439	456	2,231
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	64	110	479
Unlaminated plastics profile shape manufacturing	<1	42	104	448
Plastics pipe and pipe fitting manufacturing	<1	84	263	1,093
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	40	71	238
Polystyrene foam product manufacturing	<1	123	232	856
Urethane and other foam product (except polystyrene) manufacturing	<1	6	11	37
Plastics bottle manufacturing	<1	7	12	58
Other plastics product manufacturing	<1	698	1,088	3,691
Tire manufacturing	<1	201	260	1,217

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	6	10	39
Other rubber product manufacturing	<1	35	46	145
Pottery, ceramics, and plumbing fixture manufacturing	<1	9	13	28
Brick, tile, and other structural clay product manufacturing	<1	10	15	38
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	2	3	9
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	88	136	445
Cement manufacturing	<1	22	41	141
Ready-mix concrete manufacturing	<1	553	784	3,125
Concrete block and brick manufacturing	<1	98	150	521
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	93	123	355
Lime manufacturing	<1	2	4	23
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	22	40	98
Cut stone and stone product manufacturing	<1	138	166	447
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	2	9
Miscellaneous nonmetallic mineral products manufacturing	<1	11	21	59
Iron and steel mills and ferroalloy manufacturing	<1	10	105	550
Iron, steel pipe and tube manufacturing from purchased steel	<1	1	16	71
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	1	16	64
Alumina refining and primary aluminum production	<1	2	10	67
Secondary smelting and alloying of aluminum	<1	<1	1	14
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	<1	5
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	47	107

## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	<1	4	17
Secondary processing of other nonferrous metals	<1	<1	5	23
Ferrous metal foundries	<1	<1	19	41
Nonferrous metal foundries	<1	6	31	89
Custom roll forming	<1	6	8	73
Crown and closure manufacturing and metal stamping	<1	3	4	19
Iron and steel forging	<1	23	31	177
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	100	203	947
Handtool manufacturing	<1	20	31	88
Prefabricated metal buildings and components manufacturing	<1	25	36	150
Fabricated structural metal manufacturing	<1	273	385	1,650
Plate work manufacturing	<1	88	98	419
Metal window and door manufacturing	<1	13	17	59
Sheet metal work manufacturing	<1	232	305	1,084
Ornamental and architectural metal work manufacturing	<1	79	94	325
Power boiler and heat exchanger manufacturing	<1	<1	1	2
Metal tank (heavy gauge) manufacturing	<1	35	41	145
Metal cans manufacturing	<1	10	17	94
Metal barrels, drums and pails manufacturing	<1	4	5	22
Hardware manufacturing	<1	26	36	178
Spring and wire product manufacturing	<1	3	4	20
Machine shops	<1	425	492	1,265
Turned product and screw, nut, and bolt manufacturing	<1	45	56	203
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	25	41	180
Electroplating, anodizing, and coloring metal	<1	38	41	116
Valve and fittings, other than plumbing, manufacturing	<1	10	14	54
Plumbing fixture fitting and trim manufacturing	<1	33	70	352

## Appendix

Ball and roller bearing manufacturing	<1	30	47	157
Small arms ammunition manufacturing	<1	3,567	7,332	21,962
Ammunition, except for small arms, manufacturing	<1	4	5	11
Small arms, ordnance, and accessories manufacturing	<1	156	302	1,093
Fabricated pipe and pipe fitting manufacturing	<1	14	17	62
Other fabricated metal manufacturing	<1	227	289	1,091
Farm machinery and equipment manufacturing	<1	77	118	708
Lawn and garden equipment manufacturing	<1	21	31	204
Construction machinery manufacturing	<1	24	42	206
Mining machinery and equipment manufacturing	<1	5	6	24
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	1
Semiconductor machinery manufacturing	<1	5	6	29
Food product machinery manufacturing	<1	2	2	6
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	1	2	6
Optical instrument and lens manufacturing	<1	3	4	14
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	10	13	58
Air purification and ventilation equipment manufacturing	<1	3	4	13
Heating equipment (except warm air furnaces) manufacturing	<1	22	29	130
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	82	116	352
Industrial mold manufacturing	<1	9	10	30
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	20	21	59
Machine tool manufacturing	<1	1	1	5
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	3
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	3
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	2	3	7
Pump and pumping equipment manufacturing	<1	2	3	11
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	2	2	6
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	2	14
Industrial truck, trailer, and stacker manufacturing	<1	0	0	<1
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	1	6
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	2	3	7
Fluid power pump and motor manufacturing	<1	1	2	8
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	3	10
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	<1	3	4	13
Computer terminals and other computer peripheral equipment manufacturing	<1	224	276	873
Telephone apparatus manufacturing	<1	12	16	41

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	3	7
Other communications equipment manufacturing	<1	22	29	90
Audio and video equipment manufacturing	<1	0	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	6	8	56
Bare printed circuit board manufacturing	<1	8	9	26
Semiconductor and related device manufacturing	<1	311	409	1,626
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3	3	13
Electronic connector manufacturing	<1	155	180	700
Other electronic component manufacturing	<1	2	2	12
Electromedical and electrotherapeutic apparatus manufacturing	<1	0	<1	<1
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	8	10	35
Totalizing fluid meter and counting device manufacturing	<1	4	6	16
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	3	4	15
Blank magnetic and optical recording media manufacturing	<1	23	56	260
Software and other prerecorded and record reproducing	<1	16	20	51
Electric lamp bulb and part manufacturing	<1	<1	1	4
Lighting fixture manufacturing	<1	5	5	19
Small electrical appliance manufacturing	<1	13	20	112



## Appendix

Household cooking appliance manufacturing	<1	<1	2	10
Household refrigerator and home freezer manufacturing	<1	2	3	10
Household laundry equipment manufacturing	<1	6	7	29
Other major household appliance manufacturing	<1	<1	<1	6
Power, distribution, and specialty transformer manufacturing	<1	11	15	53
Motor and generator manufacturing	<1	3	3	11
Switchgear and switchboard apparatus manufacturing	<1	9	12	53
Relay and industrial control manufacturing	<1	<1	2	4
Storage battery manufacturing	<1	6	7	34
Primary battery manufacturing	<1	1	-2	5
Fiber optic cable manufacturing	<1	49	63	376
Other communication and energy wire manufacturing	<1	<1	<1	3
Wiring device manufacturing	<1	18	24	77
Carbon and graphite product manufacturing	<1	36	47	170
All other miscellaneous electrical equipment and component manufacturing	<1	2	3	10
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	11	30	257
Heavy duty truck manufacturing	<1	8	14	114
Motor vehicle body manufacturing	<1	2	2	9
Truck trailer manufacturing	<1	7	9	37
Motor home manufacturing	<1	383	575	2,769
Travel trailer and camper manufacturing	<1	2,764	3,187	15,362
Motor vehicle gasoline engine and engine parts manufacturing	<1	18	25	184
Motor vehicle electrical and electronic equipment manufacturing	<1	589	716	3,387
Motor vehicle transmission and power train parts manufacturing	<1	11	14	87
Motor vehicle seating and interior trim manufacturing	<1	4	5	28
Motor vehicle metal stamping	<1	15	17	71
Other motor vehicle parts manufacturing	<1	108	137	970

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	28	35	156
Aircraft manufacturing	<1	<1	1	4
Aircraft engine and engine parts manufacturing	<1	8	13	42
Other aircraft parts and auxiliary equipment manufacturing	<1	2	2	7
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	<1	4	4	13
Boat building	<1	280	370	1,589
Motorcycle, bicycle, and parts manufacturing	<1	54	133	405
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	79	132	669
Wood kitchen cabinet and countertop manufacturing	<1	234	261	784
Upholstered household furniture manufacturing	<1	175	184	737
Nonupholstered wood household furniture manufacturing	<1	35	37	121
Other household nonupholstered furniture manufacturing	<1	10	12	66
Institutional furniture manufacturing	<1	1	1	6
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	4	3	12
Office furniture, except wood, manufacturing	<1	<1	<1	1
Showcase, partition, shelving, and locker manufacturing	<1	8	9	43
Mattress manufacturing	<1	4	6	37
Blind and shade manufacturing	<1	1	1	6
Surgical and medical instrument manufacturing	<1	9	13	38
Surgical appliance and supplies manufacturing	<1	18	35	129

## Appendix

Dental equipment and supplies manufacturing	<1	<1	<1	2
Ophthalmic goods manufacturing	<1	3	6	15
Dental laboratories	<1	31	35	86
Jewelry and silverware manufacturing	<1	73	127	389
Sporting and athletic goods manufacturing	<1	92	136	771
Doll, toy, and game manufacturing	<1	11	21	85
Office supplies (except paper) manufacturing	<1	11	16	83
Sign manufacturing	<1	227	205	822
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	<1	<1	2
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	4	6	28
All other miscellaneous manufacturing	<1	185	256	1,015
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,611	3,877	9,010
Wholesale - Professional and commercial equipment and supplies	<1	6,186	10,019	17,744
Wholesale - Household appliances and electrical and electronic goods	<1	3,118	8,143	15,610
Wholesale - Machinery, equipment, and supplies	<1	4,378	8,733	15,875
Wholesale - Other durable goods merchant wholesalers	<1	6,229	12,032	25,027
Wholesale - Drugs and druggists'sundries	<1	3,115	8,452	17,664
Wholesale - Grocery and related product wholesalers	<1	5,416	8,736	17,836
Wholesale - Petroleum and petroleum products	<1	898	11,263	14,612
Wholesale - Other nondurable goods merchant wholesalers	<1	9,555	21,468	44,627
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,373	2,774	3,434
Retail - Motor vehicle and parts dealers	<1	8,104	11,136	15,916
Retail - Furniture and home furnishings stores	<1	4,036	5,266	8,479

## Appendix

Retail - Electronics and appliance stores	<1	3,317	2,867	5,347
Retail - Building material and garden equipment and supplies stores	<1	4,505	8,021	11,828
Retail - Food and beverage stores	<1	13,827	17,851	28,250
Retail - Health and personal care stores	<1	5,533	6,906	11,125
Retail - Gasoline stores	<1	5,838	9,418	16,542
Retail - Clothing and clothing accessories stores	<1	3,250	5,289	11,925
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,127	4,231	7,297
Retail - General merchandise stores	<1	10,619	15,923	26,687
Retail - Miscellaneous store retailers	<1	7,465	7,379	12,379
Retail - Nonstore retailers	<1	15,594	29,007	51,813
Air transportation	<1	3,689	8,026	19,910
Rail transportation	<1	1,353	5,065	8,145
Water transportation	<1	167	246	1,615
Truck transportation	<1	13,874	21,705	46,941
Transit and ground passenger transportation	<1	2,270	3,203	5,242
Pipeline transportation	<1	428	1,136	1,959
Scenic and sightseeing transportation and support activities for transportation	<1	10,279	8,662	14,282
Couriers and messengers	<1	6,947	12,715	15,502
Warehousing and storage	<1	2,954	3,172	5,839
Newspaper publishers	<1	1,128	1,406	2,468
Periodical publishers	<1	364	406	1,049
Book publishers	<1	397	677	2,518
Directory, mailing list, and other publishers	<1	198	314	703
Greeting card publishing	0	0	0	0
Software publishers	<1	7,653	10,402	18,093
Motion picture and video industries	<1	1,128	1,851	6,779
Sound recording industries	<1	174	626	1,537
Radio and television broadcasting	<1	3,229	4,681	19,578
Cable and other subscription programming	<1	505	2,829	10,818
Wired telecommunications carriers	<1	2,459	4,413	10,464

## Appendix

Wireless telecommunications carriers (except satellite)	<1	855	4,927	16,331
Satellite, telecommunications resellers, and all other telecommunications	<1	1,304	1,506	4,033
Data processing, hosting, and related services	<1	6,276	13,187	38,717
News syndicates, libraries, archives and all other information services	<1	835	1,370	3,354
Internet publishing and broadcasting and web search portals	<1	6,278	17,752	70,623
Nondepository credit intermediation and related activities	<1	9,724	10,350	16,712
Securities and commodity contracts intermediation and brokerage	<1	7,698	4,828	16,536
Monetary authorities and depository credit intermediation	<1	31,243	81,482	140,362
Other financial investment activities	<1	8,202	8,512	33,414
Direct life insurance carriers	<1	642	1,116	1,815
Insurance carriers, except direct life	<1	13,427	34,014	95,916
Insurance agencies, brokerages, and related activities	<1	13,472	19,341	56,123
Funds, trusts, and other financial vehicles	<1	2,114	4,985	19,042
Other real estate	2	61,246	149,077	416,771
Tenant-occupied housing	<1	2,140	29,400	31,527
Owner-occupied dwellings	0	0	161,646	196,199
Automotive equipment rental and leasing	<1	1,650	4,408	6,703
General and consumer goods rental except video tapes and discs	<1	2,109	3,613	5,804
Video tape and disc rental	<1	478	832	1,388
Commercial and industrial machinery and equipment rental and leasing	<1	2,525	5,752	8,435
Lessors of nonfinancial intangible assets	<1	182	4,894	5,423
Legal services	<1	35,263	50,772	82,099
Accounting, tax preparation, bookkeeping, and payroll services	<1	12,616	17,185	29,805
Architectural, engineering, and related services	<1	19,767	22,277	43,800
Specialized design services	<1	924	1,755	3,481

## Appendix

Custom computer programming services	<1	5,362	5,385	8,162
Computer systems design services	<1	4,459	4,064	5,595
Other computer related services, including facilities management	<1	6,278	7,651	16,326
Management consulting services	<1	47,693	49,429	90,239
Environmental and other technical consulting services	<1	5,811	6,614	11,413
Scientific research and development services	11	1,017,599	1,206,554	2,587,556
Advertising, public relations, and related services	<1	6,573	11,981	27,468
Photographic services	<1	345	944	2,224
Veterinary services	<1	1,786	2,071	3,444
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	18,272	35,345	82,405
Management of companies and enterprises	<1	48,347	55,046	98,438
Office administrative services	<1	14,729	7,792	17,613
Facilities support services	<1	458	652	1,615
Employment services	1	56,805	82,416	140,892
Business support services	<1	11,723	10,506	18,577
Travel arrangement and reservation services	<1	2,064	3,571	12,369
Investigation and security services	<1	3,054	3,119	4,715
Services to buildings	<1	7,468	11,087	25,145
Landscape and horticultural services	<1	6,744	8,524	16,917
Other support services	<1	1,817	2,404	5,474
Waste management and remediation services	<1	7,238	10,973	19,960
Elementary and secondary schools	<1	2,791	2,241	2,922
Junior colleges, colleges, universities, and professional schools	2	56,194	70,532	112,977
Other educational services	<1	3,705	4,083	8,552
Offices of physicians	<1	31,184	31,214	46,454
Offices of dentists	<1	9,314	10,584	15,546
Offices of other health practitioners	<1	6,547	8,911	12,062
Outpatient care centers	<1	6,462	6,328	10,649
Medical and diagnostic laboratories	<1	2,715	3,901	5,535
Home health care services	<1	8,919	8,812	12,351

## Appendix

Other ambulatory health care services	<1	2,594	2,917	4,565
Hospitals	<1	59,741	69,076	122,316
Nursing and community care facilities	<1	6,354	6,802	11,577
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,587	2,640	4,158
Individual and family services	<1	8,074	7,078	10,434
Child day care services	<1	2,912	4,220	5,988
Community food, housing, and other relief services, including rehabilitation services	<1	1,459	1,359	3,359
Performing arts companies	<1	915	1,679	4,565
Commercial Sports Except Racing	<1	825	804	1,887
Racing and Track Operation	<1	153	266	686
Independent artists, writers, and performers	<1	1,266	3,655	7,505
Promoters of performing arts and sports and agents for public figures	<1	951	2,458	8,065
Museums, historical sites, zoos, and parks	<1	220	275	538
Amusement parks and arcades	<1	250	650	794
Gambling industries (except casino hotels)	<1	892	3,620	4,939
Other amusement and recreation industries	<1	1,750	2,040	2,918
Fitness and recreational sports centers	<1	1,186	1,525	2,520
Bowling centers	<1	178	290	496
Hotels and motels, including casino hotels	<1	673	1,766	2,716
Other accommodations	<1	187	233	338
Full-service restaurants	<1	20,082	29,520	59,233
Limited-service restaurants	<1	15,135	22,751	55,478
All other food and drinking places	<1	12,894	19,890	34,483
Automotive repair and maintenance, except car washes	<1	15,416	17,758	26,063
Car washes	<1	8,339	11,561	17,265
Electronic and precision equipment repair and maintenance	<1	3,839	4,973	8,295
Commercial and industrial machinery and equipment repair and maintenance	<1	5,530	6,734	10,506
Personal and household goods repair and maintenance	<1	1,851	3,628	5,153

## Appendix

Personal care services	<1	2,875	2,118	2,682
Death care services	<1	775	628	917
Dry-cleaning and laundry services	<1	2,252	1,705	2,282
Other personal services	<1	2,860	3,705	5,612
Religious organizations	<1	5,543	3,224	9,267
Grantmaking, giving, and social advocacy organizations	<1	1,467	4,901	7,206
Business and professional associations	<1	1,827	3,191	5,532
Labor and civic organizations	<1	1,171	3,803	6,822
Private households	<1	1,357	1,357	1,363
Postal service	<1	5,098	5,130	5,167
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	142	-535	159
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	4,250	7,766	14,862
Local government passenger transit	<1	213	69	239
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	5,396	13,750	34,864
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	119,928	190,136	347,945

## Illinois

## NASA

Table 664: Detailed NASA Impacts by Types of Impact, Illinois

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	790	73,105,435	113,376,068	196,349,293
Oilseed farming	1	317,395	764,850	1,251,041
Grain farming	2	135,339	284,993	797,671
Vegetable and melon farming	<1	4,135	6,454	12,945
Fruit farming	<1	983	1,436	2,178
Tree nut farming	<1	15	23	38
Greenhouse, nursery, and floriculture production	<1	6,575	10,697	25,725
Tobacco farming	<1	72	88	210
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,554	2,333	5,409
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	7,664	13,510	37,931
Dairy cattle and milk production	<1	2,316	4,009	20,608
Poultry and egg production	<1	867	1,853	21,270
Animal production, except cattle and poultry and eggs	1	88,398	216,056	271,199
Forestry, forest products, and timber tract production	<1	1,534	1,745	2,511
Commercial logging	<1	1,839	2,018	3,747
Commercial fishing	<1	152	377	381
Commercial hunting and trapping	<1	578	993	1,555
Support activities for agriculture and forestry	<1	22,678	23,589	25,402
Oil and gas extraction	<1	9,193	11,530	251,257
Coal mining	<1	9,985	22,723	34,303
Copper, nickel, lead, and zinc mining	<1	8,123	27,610	45,327
Iron ore mining	<1	580	997	1,795
Gold ore mining	<1	535	1,076	1,894
Silver ore mining	<1	112	178	306
Uranium-radium-vanadium ore mining	<1	43	111	200
Other metal ore mining	<1	68	117	209
Stone mining and quarrying	<1	7,694	23,248	36,888
Sand and gravel mining	<1	6,181	9,714	16,109

## Appendix

Other clay, ceramic, refractory minerals mining	<1	85	145	249
Potash, soda, and borate mineral mining	<1	112	154	260
Phosphate rock mining	<1	48	80	141
Other chemical and fertilizer mineral mining	<1	35	50	87
Other nonmetallic minerals	<1	281	451	790
Drilling oil and gas wells	<1	2	2	14
Support activities for oil and gas operations	<1	63	75	285
Metal mining services	<1	194	256	5,648
Other nonmetallic minerals services	<1	18	25	371
Electric power generation - Hydroelectric	<1	8,452	18,428	31,161
Electric power generation - Fossil fuel	<1	47,217	163,550	354,948
Electric power generation - Nuclear	<1	128,725	239,760	414,987
Electric power generation - Solar	<1	5,097	11,843	21,104
Electric power generation - Wind	<1	4,811	33,054	56,904
Electric power generation - Geothermal	<1	1,181	2,401	3,889
Electric power generation - Biomass	<1	600	1,596	3,576
Electric power generation - All other	<1	1,102	167	583
Electric power transmission and distribution	1	288,196	896,330	1,778,384
Natural gas distribution	<1	97,242	320,137	629,753
Water, sewage and other systems	<1	17,924	34,723	56,479
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	160,986	262,930	596,187
Maintenance and repair construction of residential structures	<1	63,278	97,874	217,838
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	84	139	311
Dog and cat food manufacturing	<1	4,981	13,766	55,210
Other animal food manufacturing	<1	5,459	10,873	79,601
Flour milling	<1	3,697	8,033	45,577
Rice milling	<1	47	86	433
Malt manufacturing	<1	50	88	393
Wet corn milling	<1	85,230	200,875	865,538
Soybean and other oilseed processing	<1	4,141	26,731	174,302
Fats and oils refining and blending	<1	1,783	4,956	41,191
Breakfast cereal manufacturing	<1	13,076	33,175	100,152
Beet sugar manufacturing	<1	3,159	6,189	24,745
Sugar cane mills and refining	<1	1,077	3,125	12,430
Nonchocolate confectionery manufacturing	<1	20,270	29,181	89,481
Chocolate and confectionery manufacturing from cacao beans	<1	1,979	3,074	12,058
Confectionery manufacturing from purchased chocolate	<1	7,838	11,718	44,265
Frozen fruits, juices and vegetables manufacturing	<1	4,230	9,202	35,771
Frozen specialties manufacturing	<1	8,898	12,359	46,453
Canned fruits and vegetables manufacturing	<1	5,746	11,421	31,100
Canned specialties	<1	1,645	3,936	15,217
Dehydrated food products manufacturing	<1	2,452	4,613	15,735
Cheese manufacturing	<1	5,795	8,371	74,231
Dry, condensed, and evaporated dairy product manufacturing	<1	4,650	11,613	75,288
Fluid milk manufacturing	<1	8,167	13,645	88,272
Creamery butter manufacturing	<1	85	303	1,847
Ice cream and frozen dessert manufacturing	<1	3,262	4,786	21,130

## Appendix

Frozen cakes and other pastries manufacturing	<1	12,341	18,750	33,816
Poultry processing	<1	1,646	2,061	5,003
Animal, except poultry, slaughtering	<1	20,492	25,638	199,285
Meat processed from carcasses	<1	50,946	49,241	346,520
Rendering and meat byproduct processing	<1	1,199	1,509	6,645
Seafood product preparation and packaging	<1	1,945	2,741	13,373
Bread and bakery product, except frozen, manufacturing	<1	55,801	82,718	179,929
Cookie and cracker manufacturing	<1	11,980	17,503	47,795
Dry pasta, mixes, and dough manufacturing	<1	8,221	19,814	70,882
Tortilla manufacturing	<1	3,451	4,654	14,465
Roasted nuts and peanut butter manufacturing	<1	3,097	6,830	23,404
Other snack food manufacturing	<1	7,080	18,142	60,478
Coffee and tea manufacturing	<1	1,754	3,369	19,919
Flavoring syrup and concentrate manufacturing	<1	4,944	39,656	71,106
Mayonnaise, dressing, and sauce manufacturing	<1	2,529	4,937	19,425
Spice and extract manufacturing	<1	10,097	16,908	58,211
All other food manufacturing	<1	23,927	34,680	128,104
Bottled and canned soft drinks & water	<1	11,756	20,941	96,868
Manufactured ice	<1	1,257	899	4,001
Breweries	<1	8,296	17,307	50,798
Wineries	<1	3,122	5,572	20,927
Distilleries	<1	5,220	20,765	45,850
Tobacco product manufacturing	<1	782	23,598	38,822
Fiber, yarn, and thread mills	<1	262	329	1,839
Broadwoven fabric mills	<1	151	196	932
Narrow fabric mills and schiffli machine embroidery	<1	426	456	1,171
Nonwoven fabric mills	<1	1,862	2,511	12,768
Knit fabric mills	<1	22	25	79
Textile and fabric finishing mills	<1	511	619	2,811
Fabric coating mills	<1	387	446	1,815
Carpet and rug mills	<1	506	646	1,409
Curtain and linen mills	<1	1,596	1,855	6,024
Textile bag and canvas mills	<1	4,783	5,690	17,190
Rope, cordage, twine, tire cord and tire fabric mills	<1	415	538	1,615

## Appendix

Other textile product mills	<1	1,943	2,180	6,179
Hosiery and sock mills	<1	151	264	580
Other apparel knitting mills	<1	171	305	701
Cut and sew apparel contractors	<1	564	715	1,444
Men's and boys' cut and sew apparel manufacturing	<1	1,900	2,428	5,463
Women's and girls' cut and sew apparel manufacturing	<1	2,072	3,540	10,434
Other cut and sew apparel manufacturing	<1	1,074	1,562	3,920
Apparel accessories and other apparel manufacturing	<1	2,070	3,041	6,367
Leather and hide tanning and finishing	<1	364	620	1,862
Footwear manufacturing	<1	766	847	2,189
Other leather and allied product manufacturing	<1	838	968	2,287
Sawmills	<1	1,239	1,584	8,547
Wood preservation	<1	821	1,229	6,031
Veneer and plywood manufacturing	<1	188	233	883
Engineered wood member and truss manufacturing	<1	1,236	1,437	5,573
Reconstituted wood product manufacturing	<1	242	384	2,221
Wood windows and door manufacturing	<1	12,373	13,249	41,256
Cut stock, resawing lumber, and planing	<1	124	165	785
Other millwork, including flooring	<1	4,662	5,306	17,636
Wood container and pallet manufacturing	<1	8,483	9,047	26,929
Manufactured home (mobile home) manufacturing	<1	<1	<1	3
Prefabricated wood building manufacturing	<1	738	832	2,850
All other miscellaneous wood product manufacturing	<1	3,425	3,636	11,873
Pulp mills	<1	27	31	137
Paper mills	<1	10,107	13,927	55,566
Paperboard mills	<1	2,975	4,283	27,055
Paperboard container manufacturing	<1	40,516	49,612	240,980
Paper bag and coated and treated paper manufacturing	<1	23,880	28,567	108,065
Stationery product manufacturing	<1	4,189	4,675	17,514

## Appendix

Sanitary paper product manufacturing	<1	6,128	10,401	45,464
All other converted paper product manufacturing	<1	2,415	3,050	11,245
Printing	2	170,923	262,105	456,921
Support activities for printing	<1	13,530	20,578	29,280
Petroleum refineries	<1	79,064	241,938	1,599,441
Asphalt paving mixture and block manufacturing	<1	4,382	5,070	14,312
Asphalt shingle and coating materials manufacturing	<1	3,070	5,078	14,981
Petroleum lubricating oil and grease manufacturing	<1	19,786	29,288	79,300
All other petroleum and coal products manufacturing	<1	7,321	12,351	32,216
Petrochemical manufacturing	<1	68	1,139	3,777
Industrial gas manufacturing	<1	7,563	27,389	67,216
Synthetic dye and pigment manufacturing	<1	1,990	4,675	13,338
Other basic inorganic chemical manufacturing	<1	7,417	19,724	44,590
Other basic organic chemical manufacturing	<1	8,283	24,686	129,871
Plastics material and resin manufacturing	<1	15,546	33,570	179,008
Synthetic rubber manufacturing	<1	124	210	1,085
Artificial and synthetic fibers and filaments manufacturing	<1	470	818	4,649
Nitrogenous fertilizer manufacturing	<1	1,148	4,934	10,511
Phosphatic fertilizer manufacturing	<1	42	137	280
Fertilizer mixing	<1	222	533	1,644
Pesticide and other agricultural chemical manufacturing	<1	5,118	22,113	57,753
Medicinal and botanical manufacturing	<1	7,764	14,196	43,903
Pharmaceutical preparation manufacturing	<1	206,685	634,386	1,128,208
In-vitro diagnostic substance manufacturing	<1	1,777	2,919	6,538
Biological product (except diagnostic) manufacturing	<1	4,927	17,184	33,698
Paint and coating manufacturing	<1	9,678	23,538	83,713
Adhesive manufacturing	<1	4,308	8,018	27,810
Soap and other detergent manufacturing	<1	15,180	50,552	150,663
Polish and other sanitation good manufacturing	<1	12,777	24,073	51,909

## Appendix

Surface active agent manufacturing	<1	2,191	10,771	22,544
Toilet preparation manufacturing	<1	14,058	50,087	116,314
Printing ink manufacturing	<1	7,016	8,193	32,265
Explosives manufacturing	<1	381	467	1,788
Custom compounding of purchased resins	<1	4,298	9,559	31,684
Photographic film and chemical manufacturing	<1	4,969	12,574	37,856
Other miscellaneous chemical product manufacturing	<1	9,492	17,375	56,078
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	17,023	27,791	94,396
Unlaminated plastics profile shape manufacturing	<1	7,222	16,242	51,922
Plastics pipe and pipe fitting manufacturing	<1	5,669	16,697	58,840
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3,990	6,737	18,901
Polystyrene foam product manufacturing	<1	6,234	11,252	38,855
Urethane and other foam product (except polystyrene) manufacturing	<1	3,580	6,200	22,155
Plastics bottle manufacturing	<1	2,811	4,461	18,744
Other plastics product manufacturing	1	131,502	196,784	483,347
Tire manufacturing	<1	23,264	30,735	117,972
Rubber and plastics hoses and belting manufacturing	<1	1,513	2,446	8,380
Other rubber product manufacturing	<1	13,167	16,875	50,802
Pottery, ceramics, and plumbing fixture manufacturing	<1	407	698	1,782
Brick, tile, and other structural clay product manufacturing	<1	1,649	3,012	6,330
Flat glass manufacturing	<1	1,091	2,341	5,563
Other pressed and blown glass and glassware manufacturing	<1	1,734	3,099	7,631
Glass container manufacturing	<1	2,704	4,651	11,032
Glass product manufacturing made of purchased glass	<1	3,996	7,789	18,267
Cement manufacturing	<1	1,310	3,299	8,036
Ready-mix concrete manufacturing	<1	12,174	21,355	63,282
Concrete block and brick manufacturing	<1	4,943	9,411	20,990
Concrete pipe manufacturing	<1	943	1,671	3,865



## Appendix

Other concrete product manufacturing	<1	7,530	11,781	23,237
Lime manufacturing	<1	142	343	998
Gypsum product manufacturing	<1	545	1,746	4,769
Abrasive product manufacturing	<1	2,172	5,182	8,901
Cut stone and stone product manufacturing	<1	3,454	4,725	10,747
Ground or treated mineral and earth manufacturing	<1	1,449	3,681	7,121
Mineral wool manufacturing	<1	683	2,052	4,971
Miscellaneous nonmetallic mineral products manufacturing	<1	168	429	993
Iron and steel mills and ferroalloy manufacturing	<1	30,201	79,624	411,705
Iron, steel pipe and tube manufacturing from purchased steel	<1	8,938	20,492	67,869
Rolled steel shape manufacturing	<1	4,911	17,578	69,752
Steel wire drawing	<1	791	1,642	5,652
Alumina refining and primary aluminum production	<1	161	283	1,525
Secondary smelting and alloying of aluminum	<1	495	1,051	8,800
Aluminum sheet, plate, and foil manufacturing	<1	553	1,233	4,724
Other aluminum rolling, drawing and extruding	<1	1,109	1,687	8,514
Nonferrous metal (exc aluminum) smelting and refining	<1	118	807	1,746
Copper rolling, drawing, extruding and alloying	<1	38,529	83,418	597,342
Nonferrous metal, except copper and aluminum, shaping	<1	12,588	15,866	65,481
Secondary processing of other nonferrous metals	<1	74	163	844
Ferrous metal foundries	<1	4,111	6,858	15,564
Nonferrous metal foundries	<1	5,408	7,408	17,886
Custom roll forming	<1	536	779	3,891
Crown and closure manufacturing and metal stamping	<1	18,035	23,587	63,316
Iron and steel forging	3	256,111	344,330	1,176,397
Nonferrous forging	<1	2,298	2,962	10,363
Cutlery, utensil, pot, and pan manufacturing	<1	517	1,117	2,924
Handtool manufacturing	<1	8,681	14,048	31,688
Prefabricated metal buildings and components manufacturing	<1	1,915	2,900	10,694

## Appendix

Fabricated structural metal manufacturing	<1	7,891	11,920	38,546
Plate work manufacturing	<1	4,324	4,959	15,086
Metal window and door manufacturing	<1	7,654	10,627	22,604
Sheet metal work manufacturing	<1	9,565	13,078	34,176
Ornamental and architectural metal work manufacturing	<1	4,010	4,904	12,621
Power boiler and heat exchanger manufacturing	<1	68	93	205
Metal tank (heavy gauge) manufacturing	<1	503	628	2,122
Metal cans manufacturing	<1	2,876	5,480	29,949
Metal barrels, drums and pails manufacturing	<1	2,099	2,757	9,901
Hardware manufacturing	<1	2,984	4,464	16,129
Spring and wire product manufacturing	<1	7,593	10,029	29,618
Machine shops	<1	41,017	48,739	102,163
Turned product and screw, nut, and bolt manufacturing	<1	16,565	21,313	56,829
Metal heat treating	<1	3,115	4,127	11,397
Metal coating and nonprecious engraving	<1	5,010	8,840	24,075
Electroplating, anodizing, and coloring metal	<1	8,738	9,555	20,642
Valve and fittings, other than plumbing, manufacturing	<1	8,930	13,576	42,333
Plumbing fixture fitting and trim manufacturing	<1	2,834	6,659	22,648
Ball and roller bearing manufacturing	<1	6,411	10,431	28,002
Small arms ammunition manufacturing	<1	21,708	49,183	101,930
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	12,836	32,617	88,121
Fabricated pipe and pipe fitting manufacturing	<1	1,567	1,977	5,339
Other fabricated metal manufacturing	<1	17,449	23,177	58,894
Farm machinery and equipment manufacturing	<1	1,212	2,502	8,757
Lawn and garden equipment manufacturing	<1	960	1,847	7,673
Construction machinery manufacturing	<1	1,609	4,154	8,363
Mining machinery and equipment manufacturing	<1	58	90	273

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	37	49	143
Semiconductor machinery manufacturing	0	-4,516	-5,832	-12,575
Food product machinery manufacturing	<1	52	61	165
Sawmill, woodworking, and paper machinery	<1	92	107	319
Printing machinery and equipment manufacturing	<1	86	98	315
All other industrial machinery manufacturing	<1	268	359	972
Optical instrument and lens manufacturing	<1	525	805	2,006
Photographic and photocopying equipment manufacturing	<1	139	178	545
Other commercial service industry machinery manufacturing	<1	1,200	2,109	6,224
Air purification and ventilation equipment manufacturing	<1	2,403	3,245	5,809
Heating equipment (except warm air furnaces) manufacturing	<1	2,371	4,018	10,360
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	8,630	16,269	47,667
Industrial mold manufacturing	<1	1,113	1,397	2,837
Special tool, die, jig, and fixture manufacturing	<1	7,483	10,483	19,582
Cutting tool and machine tool accessory manufacturing	<1	1,454	1,743	3,658
Machine tool manufacturing	<1	350	469	1,360
Rolling mill and other metalworking machinery manufacturing	<1	872	1,232	2,603
Turbine and turbine generator set units manufacturing	<1	337	376	866
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,068	7,683	19,589
Mechanical power transmission equipment manufacturing	<1	2,717	4,158	9,973
Other engine equipment manufacturing	<1	11,767	27,896	69,526
Pump and pumping equipment manufacturing	<1	208	382	1,064
Air and gas compressor manufacturing	<1	7,253	10,877	28,027
Elevator and moving stairway manufacturing	<1	139	189	591

## Appendix

Conveyor and conveying equipment manufacturing	<1	265	306	812
Overhead cranes, hoists, and monorail systems manufacturing	<1	14,083	26,209	75,938
Industrial truck, trailer, and stacker manufacturing	<1	344	617	1,826
Power-driven handtool manufacturing	<1	345	1,075	2,149
Welding and soldering equipment manufacturing	<1	474	761	1,572
Packaging machinery manufacturing	<1	518	822	2,010
Industrial process furnace and oven manufacturing	<1	133	168	374
Fluid power cylinder and actuator manufacturing	<1	2,509	3,749	8,888
Fluid power pump and motor manufacturing	<1	3,122	5,508	14,083
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	222	285	785
Electronic computer manufacturing	<1	36,752	55,268	228,199
Computer storage device manufacturing	<1	26	39	119
Computer terminals and other computer peripheral equipment manufacturing	<1	18,709	28,062	69,493
Telephone apparatus manufacturing	<1	374	638	2,233
Broadcast and wireless communications equipment manufacturing	<1	279	368	918
Other communications equipment manufacturing	<1	1,285	2,081	6,361
Audio and video equipment manufacturing	<1	2,571	4,317	17,087
Printed circuit assembly (electronic assembly) manufacturing	<1	6,975	11,206	48,861
Bare printed circuit board manufacturing	<1	12,329	14,844	41,482
Semiconductor and related device manufacturing	<1	35,087	66,452	180,591
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	870	1,122	4,231
Electronic connector manufacturing	<1	17,550	23,171	52,347
Other electronic component manufacturing	<1	6,114	7,661	25,127

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	214	334	865
Search, detection, and navigation instruments manufacturing	<1	156	239	581
Automatic environmental control manufacturing	<1	44,116	58,025	118,502
Industrial process variable instruments manufacturing	<1	9,266	14,273	35,271
Totalizing fluid meter and counting device manufacturing	<1	185	370	977
Electricity and signal testing instruments manufacturing	<1	62,714	77,911	202,083
Analytical laboratory instrument manufacturing	1	169,637	272,333	682,006
Irradiation apparatus manufacturing	<1	24	43	151
Watch, clock, and other measuring and controlling device manufacturing	<1	338	477	1,687
Blank magnetic and optical recording media manufacturing	<1	2,638	8,620	29,552
Software and other prerecorded and record reproducing	<1	6,079	8,546	18,925
Electric lamp bulb and part manufacturing	<1	516	887	2,007
Lighting fixture manufacturing	<1	5,253	7,123	21,848
Small electrical appliance manufacturing	<1	2,547	6,094	17,074
Household cooking appliance manufacturing	<1	3,120	8,486	22,864
Household refrigerator and home freezer manufacturing	<1	3,821	9,589	24,349
Household laundry equipment manufacturing	<1	12,107	21,864	69,893
Other major household appliance manufacturing	<1	1,417	4,160	9,492
Power, distribution, and specialty transformer manufacturing	<1	7,337	10,044	27,140
Motor and generator manufacturing	<1	1,778	3,470	10,251
Switchgear and switchboard apparatus manufacturing	<1	3,822	7,323	19,318
Relay and industrial control manufacturing	<1	6,745	9,334	23,205
Storage battery manufacturing	<1	2,952	5,060	13,597
Primary battery manufacturing	<1	943	6,758	6,241
Fiber optic cable manufacturing	<1	1,925	2,929	7,620

## Appendix

Other communication and energy wire manufacturing	<1	18,461	33,215	126,707
Wiring device manufacturing	<1	9,413	20,487	43,624
Carbon and graphite product manufacturing	<1	80	131	596
All other miscellaneous electrical equipment and component manufacturing	<1	16,901	19,872	55,864
Automobile manufacturing	<1	14,969	23,490	197,363
Light truck and utility vehicle manufacturing	<1	3,334	5,310	65,258
Heavy duty truck manufacturing	<1	14	20	130
Motor vehicle body manufacturing	<1	456	506	1,958
Truck trailer manufacturing	<1	10	11	68
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	384	409	1,948
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,040	6,008	36,995
Motor vehicle electrical and electronic equipment manufacturing	<1	18,221	19,969	106,593
Motor vehicle transmission and power train parts manufacturing	<1	19,651	22,128	121,666
Motor vehicle seating and interior trim manufacturing	<1	1,595	1,680	10,102
Motor vehicle metal stamping	<1	12,022	12,854	45,079
Other motor vehicle parts manufacturing	<1	20,516	22,446	125,908
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	6,592	7,396	26,758
Aircraft manufacturing	<1	4	5	14
Aircraft engine and engine parts manufacturing	<1	863	1,677	5,044
Other aircraft parts and auxiliary equipment manufacturing	<1	56,078	70,413	132,193
Guided missile and space vehicle manufacturing	<1	3	4	10
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	222	235	845
Ship building and repairing	<1	108	140	367
Boat building	<1	376	512	1,849
Motorcycle, bicycle, and parts manufacturing	<1	1,028	2,409	4,719

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2,431	4,136	14,531
Wood kitchen cabinet and countertop manufacturing	<1	5,125	7,075	16,975
Upholstered household furniture manufacturing	<1	3,385	3,871	12,314
Nonupholstered wood household furniture manufacturing	<1	3,312	3,991	10,484
Other household nonupholstered furniture manufacturing	<1	214	388	1,355
Institutional furniture manufacturing	<1	219	238	756
Wood office furniture manufacturing	<1	16	22	58
Custom architectural woodwork and millwork	<1	306	307	746
Office furniture, except wood, manufacturing	<1	59	114	326
Showcase, partition, shelving, and locker manufacturing	<1	1,573	2,334	6,758
Mattress manufacturing	<1	1,042	2,064	7,877
Blind and shade manufacturing	<1	500	508	1,918
Surgical and medical instrument manufacturing	<1	8,789	10,843	17,581
Surgical appliance and supplies manufacturing	<1	7,309	10,358	18,441
Dental equipment and supplies manufacturing	<1	926	1,188	2,514
Ophthalmic goods manufacturing	<1	1,052	1,457	3,181
Dental laboratories	<1	3,664	3,914	6,768
Jewelry and silverware manufacturing	<1	5,307	8,537	21,303
Sporting and athletic goods manufacturing	<1	11,890	14,435	31,648
Doll, toy, and game manufacturing	<1	2,462	3,217	8,315
Office supplies (except paper) manufacturing	<1	18,699	25,349	48,862
Sign manufacturing	<1	10,255	9,649	18,064
Gasket, packing, and sealing device manufacturing	<1	5,462	5,879	11,619
Musical instrument manufacturing	<1	880	923	1,920
Fasteners, buttons, needles, and pins manufacturing	<1	2,895	3,077	6,033

Appendix

Broom, brush, and mop manufacturing	<1	4,757	5,506	14,038
Burial casket manufacturing	<1	1,600	2,073	3,878
All other miscellaneous manufacturing	<1	22,032	23,417	50,160
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	47,092	107,638	226,655
Wholesale - Professional and commercial equipment and supplies	5	740,672	1,180,234	2,017,094
Wholesale - Household appliances and electrical and electronic goods	1	152,042	395,012	808,548
Wholesale - Machinery, equipment, and supplies	<1	129,192	251,490	411,673
Wholesale - Other durable goods merchant wholesalers	2	219,134	415,593	793,449
Wholesale - Drugs and druggists'sundries	<1	166,591	437,107	769,531
Wholesale - Grocery and related product wholesalers	2	188,590	293,411	533,094
Wholesale - Petroleum and petroleum products	<1	32,888	386,218	454,327
Wholesale - Other nondurable goods merchant wholesalers	3	311,183	705,853	1,225,960
Wholesale - Wholesale electronic markets and agents and brokers	1	198,609	228,760	265,342
Retail - Motor vehicle and parts dealers	2	171,185	254,826	349,398
Retail - Furniture and home furnishings stores	2	87,668	125,719	202,270
Retail - Electronics and appliance stores	1	127,486	108,458	166,936
Retail - Building material and garden equipment and supplies stores	2	98,112	208,022	293,318
Retail - Food and beverage stores	7	309,362	456,116	715,558
Retail - Health and personal care stores	3	194,749	255,336	369,388
Retail - Gasoline stores	2	63,014	166,849	315,113
Retail - Clothing and clothing accessories stores	3	111,770	208,455	419,640
Retail - Sporting goods, hobby, musical instrument and book stores	2	81,479	114,468	183,365
Retail - General merchandise stores	7	268,917	457,881	733,814
Retail - Miscellaneous store retailers	5	186,506	199,920	312,412
Retail - Nonstore retailers	6	130,710	872,722	1,429,643
Air transportation	2	337,497	585,664	1,227,059



Appendix

Rail transportation	<1	56,845	142,537	269,322
Water transportation	<1	28,851	58,510	218,337
Truck transportation	5	428,026	656,000	1,322,121
Transit and ground passenger transportation	8	195,987	226,449	353,684
Pipeline transportation	<1	131,786	139,513	174,747
Scenic and sightseeing transportation and support activities for transportation	4	446,474	383,911	555,951
Couriers and messengers	6	190,080	412,779	488,100
Warehousing and storage	6	341,957	368,537	665,104
Newspaper publishers	<1	44,835	67,041	92,776
Periodical publishers	<1	60,951	79,754	126,700
Book publishers	<1	32,876	73,913	160,087
Directory, mailing list, and other publishers	<1	30,874	64,449	123,369
Greeting card publishing	<1	439	1,249	2,513
Software publishers	2	325,654	545,760	752,371
Motion picture and video industries	<1	68,353	98,450	259,801
Sound recording industries	<1	11,038	57,068	110,555
Radio and television broadcasting	<1	366,368	436,553	727,567
Cable and other subscription programming	<1	104,824	326,547	620,673
Wired telecommunications carriers	1	149,024	333,754	601,559
Wireless telecommunications carriers (except satellite)	<1	43,023	331,480	716,844
Satellite, telecommunications resellers, and all other telecommunications	<1	39,133	50,302	113,958
Data processing, hosting, and related services	3	463,382	863,289	2,101,260
News syndicates, libraries, archives and all other information services	<1	36,867	54,035	107,402
Internet publishing and broadcasting and web search portals	2	355,830	820,668	2,429,355
Nondepository credit intermediation and related activities	2	330,235	353,581	521,148
Securities and commodity contracts intermediation and brokerage	9	953,130	736,917	1,274,655
Monetary authorities and depository credit intermediation	9	1,141,156	3,511,501	4,879,837

## Appendix

Other financial investment activities	7	680,497	798,577	1,583,589
Direct life insurance carriers	<1	131,956	251,581	352,429
Insurance carriers, except direct life	3	403,121	1,172,390	2,171,566
Insurance agencies, brokerages, and related activities	3	380,460	599,447	1,248,526
Funds, trusts, and other financial vehicles	3	72,239	132,532	625,876
Other real estate	39	1,964,173	4,506,983	9,454,588
Tenant-occupied housing	2	98,848	960,686	1,017,911
Owner-occupied dwellings	0	0	4,058,206	4,897,582
Automotive equipment rental and leasing	<1	84,854	339,556	400,340
General and consumer goods rental except video tapes and discs	<1	60,918	121,303	162,561
Video tape and disc rental	<1	16,915	30,281	44,319
Commercial and industrial machinery and equipment rental and leasing	<1	89,315	287,646	342,267
Lessors of nonfinancial intangible assets	<1	11,240	330,380	348,658
Legal services	10	1,451,907	2,456,829	3,090,569
Accounting, tax preparation, bookkeeping, and payroll services	6	685,583	752,657	1,117,757
Architectural, engineering, and related services	24	2,594,899	2,704,994	4,648,701
Specialized design services	<1	79,989	103,103	189,608
Custom computer programming services	3	345,345	340,729	448,496
Computer systems design services	3	369,429	335,629	421,889
Other computer related services, including facilities management	1	155,630	189,118	340,858
Management consulting services	31	4,471,751	4,543,597	6,484,911
Environmental and other technical consulting services	1	169,933	178,529	271,420
Scientific research and development services	165	20,292,716	29,243,492	49,114,341
Advertising, public relations, and related services	6	710,588	871,229	1,734,883
Photographic services	<1	18,096	31,453	75,204
Veterinary services	<1	49,732	52,315	80,265
Marketing research and all other miscellaneous professional, scientific, and technical services	5	628,869	774,917	1,607,496
Management of companies and enterprises	13	2,108,832	2,357,934	3,612,995

## Appendix

Office administrative services	5	554,930	176,554	448,897
Facilities support services	<1	53,202	70,262	139,465
Employment services	31	1,760,754	2,392,031	3,892,391
Business support services	3	299,380	251,318	376,274
Travel arrangement and reservation services	<1	68,324	106,406	301,818
Investigation and security services	4	180,273	183,125	266,406
Services to buildings	6	269,147	370,282	730,671
Landscape and horticultural services	3	170,242	205,682	372,600
Other support services	2	111,800	140,897	269,686
Waste management and remediation services	1	105,233	177,501	336,287
Elementary and secondary schools	4	217,995	174,301	212,451
Junior colleges, colleges, universities, and professional schools	34	2,421,626	3,006,749	3,773,026
Other educational services	2	123,395	138,040	254,838
Offices of physicians	9	1,099,344	1,104,015	1,560,741
Offices of dentists	3	228,450	268,214	363,415
Offices of other health practitioners	3	170,269	248,738	316,603
Outpatient care centers	2	154,516	151,960	243,889
Medical and diagnostic laboratories	<1	65,731	101,922	141,140
Home health care services	4	204,992	203,716	267,904
Other ambulatory health care services	1	79,785	92,516	140,872
Hospitals	20	1,918,230	2,425,085	4,271,879
Nursing and community care facilities	5	268,134	320,618	495,458
Residential mental retardation, mental health, substance abuse and other facilities	2	114,085	125,119	178,122
Individual and family services	11	369,149	319,657	457,048
Child day care services	4	146,398	206,655	272,417
Community food, housing, and other relief services, including rehabilitation services	3	108,800	102,089	220,272
Performing arts companies	1	40,522	87,347	140,826
Commercial Sports Except Racing	2	115,407	122,025	166,696
Racing and Track Operation	<1	9,095	16,612	25,858
Independent artists, writers, and performers	<1	31,395	121,159	155,474

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	33,629	111,876	192,692
Museums, historical sites, zoos, and parks	<1	27,586	35,792	57,511
Amusement parks and arcades	<1	5,280	9,976	11,701
Gambling industries (except casino hotels)	2	79,448	265,207	333,430
Other amusement and recreation industries	2	70,216	65,102	89,615
Fitness and recreational sports centers	2	47,569	64,130	93,129
Bowling centers	<1	8,652	13,646	20,277
Hotels and motels, including casino hotels	2	123,687	303,927	393,457
Other accommodations	<1	38,965	48,912	60,069
Full-service restaurants	17	615,153	926,216	1,668,920
Limited-service restaurants	14	422,349	682,716	1,504,667
All other food and drinking places	10	434,790	636,332	958,011
Automotive repair and maintenance, except car washes	5	335,728	367,848	534,281
Car washes	2	162,903	248,934	356,308
Electronic and precision equipment repair and maintenance	2	149,986	196,928	300,888
Commercial and industrial machinery and equipment repair and maintenance	2	167,067	194,834	280,746
Personal and household goods repair and maintenance	<1	41,847	82,525	113,311
Personal care services	5	140,758	73,231	95,484
Death care services	1	36,162	22,260	32,523
Dry-cleaning and laundry services	2	68,958	38,162	52,090
Other personal services	4	124,930	154,881	218,481
Religious organizations	9	594,826	257,244	825,452
Grantmaking, giving, and social advocacy organizations	2	129,417	358,944	520,579
Business and professional associations	1	145,793	221,339	335,127
Labor and civic organizations	3	113,316	300,281	487,039
Private households	3	52,734	52,734	52,734
Postal service	2	226,665	228,161	228,243
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	9,029	-1,762	9,295
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	92,368	-1,967	25,522
Local government electric utilities	<1	530	1,313	3,030
Other local government enterprises	<1	94,413	13,868	188,539
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	28	3,729,818	7,014,383	11,426,195

## Moon to Mars Campaign

**Table 665: Detailed M2M Campaign Impacts by Types of Impact, Illinois**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>109</i>	<i>9,690,110</i>	<i>14,427,993</i>	<i>24,338,412</i>
Oilseed farming	<1	53,655	149,210	256,596
Grain farming	<1	15,338	44,685	91,733
Vegetable and melon farming	<1	552	916	1,766
Fruit farming	<1	147	218	323
Tree nut farming	<1	2	4	6
Greenhouse, nursery, and floriculture production	<1	777	1,342	3,102
Tobacco farming	<1	14	17	44

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	167	266	600
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	828	1,676	4,049
Dairy cattle and milk production	<1	359	682	3,163
Poultry and egg production	<1	106	241	2,574
Animal production, except cattle and poultry and eggs	<1	7,803	22,145	26,497
Forestry, forest products, and timber tract production	<1	192	220	311
Commercial logging	<1	208	240	429
Commercial fishing	<1	34	53	53
Commercial hunting and trapping	<1	104	118	182
Support activities for agriculture and forestry	<1	2,100	2,202	2,369
Oil and gas extraction	<1	803	1,195	27,856
Coal mining	<1	674	1,599	2,414
Copper, nickel, lead, and zinc mining	<1	823	2,880	4,637
Iron ore mining	<1	34	61	108
Gold ore mining	<1	76	151	256
Silver ore mining	<1	17	26	43
Uranium-radium-vanadium ore mining	<1	2	5	9
Other metal ore mining	<1	6	10	18
Stone mining and quarrying	<1	1,166	3,460	5,490
Sand and gravel mining	<1	1,151	1,813	2,926
Other clay, ceramic, refractory minerals mining	<1	38	65	110
Potash, soda, and borate mineral mining	<1	14	19	32
Phosphate rock mining	<1	6	11	19
Other chemical and fertilizer mineral mining	<1	4	5	10
Other nonmetallic minerals	<1	28	46	81
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	4	5	20
Metal mining services	<1	15	22	496
Other nonmetallic minerals services	<1	2	4	53
Electric power generation - Hydroelectric	<1	1,268	2,698	4,490

## Appendix

Electric power generation - Fossil fuel	<1	6,802	21,622	46,916
Electric power generation - Nuclear	<1	19,123	35,505	61,030
Electric power generation - Solar	<1	683	1,587	2,833
Electric power generation - Wind	<1	475	3,256	5,574
Electric power generation - Geothermal	<1	236	470	764
Electric power generation - Biomass	<1	83	221	507
Electric power generation - All other	<1	161	17	69
Electric power transmission and distribution	<1	34,501	102,665	203,201
Natural gas distribution	<1	15,001	48,078	92,742
Water, sewage and other systems	<1	3,589	6,576	10,407
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	15,986	26,749	59,177
Maintenance and repair construction of residential structures	<1	8,158	12,862	28,095
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	11	18	39
Dog and cat food manufacturing	<1	570	1,594	6,323
Other animal food manufacturing	<1	563	1,157	8,288
Flour milling	<1	455	994	5,770

## Appendix

Rice milling	<1	7	13	65
Malt manufacturing	<1	7	13	58
Wet corn milling	<1	10,372	26,331	103,346
Soybean and other oilseed processing	<1	601	3,933	25,162
Fats and oils refining and blending	<1	334	951	7,648
Breakfast cereal manufacturing	<1	1,506	3,768	11,265
Beet sugar manufacturing	<1	451	844	3,412
Sugar cane mills and refining	<1	205	630	2,366
Nonchocolate confectionery manufacturing	<1	3,029	4,344	13,196
Chocolate and confectionery manufacturing from cacao beans	<1	384	598	2,299
Confectionery manufacturing from purchased chocolate	<1	1,218	1,856	6,793
Frozen fruits, juices and vegetables manufacturing	<1	637	1,424	5,265
Frozen specialties manufacturing	<1	1,245	1,722	6,527
Canned fruits and vegetables manufacturing	<1	980	1,982	5,334
Canned specialties	<1	269	650	2,486
Dehydrated food products manufacturing	<1	431	811	2,741
Cheese manufacturing	<1	941	1,357	12,518
Dry, condensed, and evaporated dairy product manufacturing	<1	783	1,962	12,728
Fluid milk manufacturing	<1	1,421	2,434	15,536
Creamery butter manufacturing	<1	15	54	331
Ice cream and frozen dessert manufacturing	<1	548	816	3,532
Frozen cakes and other pastries manufacturing	<1	2,061	3,143	5,629
Poultry processing	<1	182	233	566
Animal, except poultry, slaughtering	<1	2,854	3,613	28,260
Meat processed from carcasses	<1	6,673	6,488	45,509
Rendering and meat byproduct processing	<1	169	213	939
Seafood product preparation and packaging	<1	338	492	2,298
Bread and bakery product, except frozen, manufacturing	<1	9,109	13,607	29,523
Cookie and cracker manufacturing	<1	1,916	2,898	7,475
Dry pasta, mixes, and dough manufacturing	<1	1,110	2,677	9,963
Tortilla manufacturing	<1	449	602	1,890



## Appendix

Roasted nuts and peanut butter manufacturing	<1	448	1,028	3,390
Other snack food manufacturing	<1	954	2,453	8,100
Coffee and tea manufacturing	<1	312	610	3,614
Flavoring syrup and concentrate manufacturing	<1	636	5,226	9,156
Mayonnaise, dressing, and sauce manufacturing	<1	440	855	3,358
Spice and extract manufacturing	<1	2,016	3,464	11,733
All other food manufacturing	<1	3,369	4,896	18,287
Bottled and canned soft drinks & water	<1	1,405	2,534	11,742
Manufactured ice	<1	161	118	499
Breweries	<1	1,540	3,333	9,692
Wineries	<1	493	889	3,239
Distilleries	<1	746	3,157	6,740
Tobacco product manufacturing	<1	103	3,709	5,678
Fiber, yarn, and thread mills	<1	34	43	233
Broadwoven fabric mills	<1	17	23	105
Narrow fabric mills and schiffli machine embroidery	<1	49	54	134
Nonwoven fabric mills	<1	291	432	1,989
Knit fabric mills	<1	3	4	14
Textile and fabric finishing mills	<1	74	91	403
Fabric coating mills	<1	60	71	274
Carpet and rug mills	<1	61	81	165
Curtain and linen mills	<1	246	292	913
Textile bag and canvas mills	<1	578	711	2,065
Rope, cordage, twine, tire cord and tire fabric mills	<1	36	49	139
Other textile product mills	<1	250	287	785
Hosiery and sock mills	<1	21	37	77
Other apparel knitting mills	<1	22	41	87
Cut and sew apparel contractors	<1	67	85	169
Men's and boys' cut and sew apparel manufacturing	<1	317	409	884
Women's and girls' cut and sew apparel manufacturing	<1	334	592	1,625
Other cut and sew apparel manufacturing	<1	241	355	859
Apparel accessories and other apparel manufacturing	<1	320	479	941
Leather and hide tanning and finishing	<1	62	108	310
Footwear manufacturing	<1	113	126	311
Other leather and allied product manufacturing	<1	123	144	328

## Appendix

Sawmills	<1	141	179	965
Wood preservation	<1	90	135	691
Veneer and plywood manufacturing	<1	19	24	92
Engineered wood member and truss manufacturing	<1	150	173	672
Reconstituted wood product manufacturing	<1	25	40	228
Wood windows and door manufacturing	<1	1,149	1,219	3,785
Cut stock, resawing lumber, and planing	<1	13	17	83
Other millwork, including flooring	<1	476	533	1,766
Wood container and pallet manufacturing	<1	1,186	1,252	3,735
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	73	82	279
All other miscellaneous wood product manufacturing	<1	424	439	1,367
Pulp mills	<1	2	3	14
Paper mills	<1	1,152	1,440	6,248
Paperboard mills	<1	313	431	2,837
Paperboard container manufacturing	<1	4,728	5,913	29,355
Paper bag and coated and treated paper manufacturing	<1	3,353	3,909	14,937
Stationery product manufacturing	<1	762	836	3,039
Sanitary paper product manufacturing	<1	792	1,298	5,893
All other converted paper product manufacturing	<1	313	391	1,474
Printing	<1	25,874	39,540	70,655
Support activities for printing	<1	2,322	3,567	4,997
Petroleum refineries	<1	10,288	34,338	212,894
Asphalt paving mixture and block manufacturing	<1	521	618	1,682
Asphalt shingle and coating materials manufacturing	<1	376	681	1,869
Petroleum lubricating oil and grease manufacturing	<1	3,602	5,448	14,242
All other petroleum and coal products manufacturing	<1	906	1,536	3,851
Petrochemical manufacturing	<1	8	147	440
Industrial gas manufacturing	<1	985	3,851	8,981

## Appendix

Synthetic dye and pigment manufacturing	<1	250	617	1,783
Other basic inorganic chemical manufacturing	<1	731	2,078	4,508
Other basic organic chemical manufacturing	<1	1,628	5,122	26,252
Plastics material and resin manufacturing	<1	1,862	4,250	22,083
Synthetic rubber manufacturing	<1	20	35	183
Artificial and synthetic fibers and filaments manufacturing	<1	48	82	475
Nitrogenous fertilizer manufacturing	<1	162	748	1,422
Phosphatic fertilizer manufacturing	<1	5	17	34
Fertilizer mixing	<1	25	65	190
Pesticide and other agricultural chemical manufacturing	<1	633	2,933	7,510
Medicinal and botanical manufacturing	<1	1,444	2,697	7,821
Pharmaceutical preparation manufacturing	<1	31,213	101,122	173,767
In-vitro diagnostic substance manufacturing	<1	356	573	1,299
Biological product (except diagnostic) manufacturing	<1	908	3,111	5,851
Paint and coating manufacturing	<1	1,580	4,090	14,248
Adhesive manufacturing	<1	677	1,312	4,396
Soap and other detergent manufacturing	<1	2,032	7,293	19,726
Polish and other sanitation good manufacturing	<1	1,664	3,319	6,836
Surface active agent manufacturing	<1	227	1,184	2,348
Toilet preparation manufacturing	<1	2,065	7,763	17,484
Printing ink manufacturing	<1	1,282	1,465	5,804
Explosives manufacturing	<1	154	194	749
Custom compounding of purchased resins	<1	593	1,457	4,510
Photographic film and chemical manufacturing	<1	594	1,604	4,404
Other miscellaneous chemical product manufacturing	<1	1,008	1,922	6,109
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,373	3,903	13,038
Unlaminated plastics profile shape manufacturing	<1	1,129	2,599	7,944
Plastics pipe and pipe fitting manufacturing	<1	489	1,414	5,055

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	888	1,517	4,276
Polystyrene foam product manufacturing	<1	1,140	2,095	7,115
Urethane and other foam product (except polystyrene) manufacturing	<1	486	855	2,998
Plastics bottle manufacturing	<1	417	665	2,744
Other plastics product manufacturing	<1	19,129	29,311	69,876
Tire manufacturing	<1	2,921	3,986	14,960
Rubber and plastics hoses and belting manufacturing	<1	132	216	772
Other rubber product manufacturing	<1	1,390	1,789	5,540
Pottery, ceramics, and plumbing fixture manufacturing	<1	91	156	387
Brick, tile, and other structural clay product manufacturing	<1	214	377	803
Flat glass manufacturing	<1	123	261	623
Other pressed and blown glass and glassware manufacturing	<1	181	325	786
Glass container manufacturing	<1	364	629	1,493
Glass product manufacturing made of purchased glass	<1	392	747	1,772
Cement manufacturing	<1	350	837	2,101
Ready-mix concrete manufacturing	<1	2,536	4,290	12,890
Concrete block and brick manufacturing	<1	1,732	3,150	7,273
Concrete pipe manufacturing	<1	224	379	898
Other concrete product manufacturing	<1	1,167	1,770	3,591
Lime manufacturing	<1	13	30	92
Gypsum product manufacturing	<1	117	360	1,005
Abrasive product manufacturing	<1	243	567	982
Cut stone and stone product manufacturing	<1	366	496	1,130
Ground or treated mineral and earth manufacturing	<1	196	472	952
Mineral wool manufacturing	<1	110	309	751
Miscellaneous nonmetallic mineral products manufacturing	<1	19	47	108
Iron and steel mills and ferroalloy manufacturing	<1	1,509	4,123	20,831
Iron, steel pipe and tube manufacturing from purchased steel	<1	460	1,060	3,480

## Appendix

Rolled steel shape manufacturing	<1	222	826	3,309
Steel wire drawing	<1	118	245	850
Alumina refining and primary aluminum production	<1	18	34	185
Secondary smelting and alloying of aluminum	<1	53	113	938
Aluminum sheet, plate, and foil manufacturing	<1	44	102	389
Other aluminum rolling, drawing and extruding	<1	124	187	944
Nonferrous metal (exc aluminum) smelting and refining	<1	10	66	147
Copper rolling, drawing, extruding and alloying	<1	1,699	3,714	25,939
Nonferrous metal, except copper and aluminum, shaping	<1	64	80	333
Secondary processing of other nonferrous metals	<1	6	13	68
Ferrous metal foundries	<1	295	524	1,196
Nonferrous metal foundries	<1	582	799	1,924
Custom roll forming	<1	63	92	463
Crown and closure manufacturing and metal stamping	<1	1,775	2,317	6,178
Iron and steel forging	<1	876	1,205	3,665
Nonferrous forging	<1	55	71	249
Cutlery, utensil, pot, and pan manufacturing	<1	71	147	382
Handtool manufacturing	<1	1,209	1,965	4,386
Prefabricated metal buildings and components manufacturing	<1	449	648	2,449
Fabricated structural metal manufacturing	<1	1,375	2,064	6,698
Plate work manufacturing	<1	538	618	1,866
Metal window and door manufacturing	<1	2,034	2,816	5,911
Sheet metal work manufacturing	<1	1,736	2,343	6,046
Ornamental and architectural metal work manufacturing	<1	843	1,018	2,603
Power boiler and heat exchanger manufacturing	<1	7	10	23
Metal tank (heavy gauge) manufacturing	<1	117	145	476
Metal cans manufacturing	<1	380	713	3,835
Metal barrels, drums and pails manufacturing	<1	206	271	974
Hardware manufacturing	<1	429	632	2,270
Spring and wire product manufacturing	<1	1,261	1,660	4,906

## Appendix

Machine shops	<1	4,570	5,413	11,287
Turned product and screw, nut, and bolt manufacturing	<1	1,804	2,312	6,145
Metal heat treating	<1	379	503	1,391
Metal coating and nonprecious engraving	<1	593	1,042	2,839
Electroplating, anodizing, and coloring metal	<1	1,120	1,225	2,645
Valve and fittings, other than plumbing, manufacturing	<1	899	1,348	4,236
Plumbing fixture fitting and trim manufacturing	<1	319	724	2,559
Ball and roller bearing manufacturing	<1	574	929	2,486
Small arms ammunition manufacturing	<1	2,927	6,613	13,346
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	539	1,116	3,162
Fabricated pipe and pipe fitting manufacturing	<1	399	496	1,362
Other fabricated metal manufacturing	<1	2,924	3,856	9,678
Farm machinery and equipment manufacturing	<1	83	181	604
Lawn and garden equipment manufacturing	<1	97	193	768
Construction machinery manufacturing	<1	448	1,227	2,292
Mining machinery and equipment manufacturing	<1	9	14	41
Oil and gas field machinery and equipment manufacturing	<1	6	9	25
Semiconductor machinery manufacturing	<1	<1	1	3
Food product machinery manufacturing	<1	8	9	25
Sawmill, woodworking, and paper machinery	<1	8	10	28
Printing machinery and equipment manufacturing	<1	15	17	55
All other industrial machinery manufacturing	<1	32	43	116
Optical instrument and lens manufacturing	<1	42	64	158
Photographic and photocopying equipment manufacturing	<1	17	22	65
Other commercial service industry machinery manufacturing	<1	193	346	990

## Appendix

Air purification and ventilation equipment manufacturing	<1	506	695	1,219
Heating equipment (except warm air furnaces) manufacturing	<1	702	1,215	2,939
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	577	1,082	3,045
Industrial mold manufacturing	<1	361	457	916
Special tool, die, jig, and fixture manufacturing	<1	131	183	340
Cutting tool and machine tool accessory manufacturing	<1	152	183	381
Machine tool manufacturing	<1	39	53	153
Rolling mill and other metalworking machinery manufacturing	<1	73	105	216
Turbine and turbine generator set units manufacturing	<1	32	36	80
Speed changer, industrial high-speed drive, and gear manufacturing	<1	936	1,394	3,459
Mechanical power transmission equipment manufacturing	<1	527	810	1,940
Other engine equipment manufacturing	<1	1,549	3,764	9,007
Pump and pumping equipment manufacturing	<1	29	54	149
Air and gas compressor manufacturing	<1	11	16	44
Elevator and moving stairway manufacturing	<1	36	50	153
Conveyor and conveying equipment manufacturing	<1	41	48	127
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	11	30
Industrial truck, trailer, and stacker manufacturing	<1	43	79	229
Power-driven handtool manufacturing	<1	73	219	438
Welding and soldering equipment manufacturing	<1	72	114	219
Packaging machinery manufacturing	<1	74	118	285
Industrial process furnace and oven manufacturing	<1	35	45	99
Fluid power cylinder and actuator manufacturing	<1	224	339	801
Fluid power pump and motor manufacturing	<1	240	424	1,069

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	34	44	119
Electronic computer manufacturing	<1	10	15	68
Computer storage device manufacturing	<1	3	6	17
Computer terminals and other computer peripheral equipment manufacturing	<1	264	386	1,137
Telephone apparatus manufacturing	<1	39	69	236
Broadcast and wireless communications equipment manufacturing	<1	37	50	123
Other communications equipment manufacturing	<1	151	247	763
Audio and video equipment manufacturing	<1	434	735	2,772
Printed circuit assembly (electronic assembly) manufacturing	<1	724	1,155	5,084
Bare printed circuit board manufacturing	<1	314	398	1,252
Semiconductor and related device manufacturing	<1	47	77	291
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	101	131	489
Electronic connector manufacturing	<1	1,239	1,646	3,712
Other electronic component manufacturing	<1	746	936	3,028
Electromedical and electrotherapeutic apparatus manufacturing	<1	32	52	131
Search, detection, and navigation instruments manufacturing	<1	17	27	64
Automatic environmental control manufacturing	<1	12,959	17,192	34,610
Industrial process variable instruments manufacturing	<1	50	73	189
Totalizing fluid meter and counting device manufacturing	<1	20	42	108
Electricity and signal testing instruments manufacturing	<1	445	548	1,407
Analytical laboratory instrument manufacturing	<1	27,001	43,852	108,012
Irradiation apparatus manufacturing	<1	4	6	22



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	58	83	282
Blank magnetic and optical recording media manufacturing	<1	413	1,286	4,315
Software and other prerecorded and record reproducing	<1	1,047	1,472	3,154
Electric lamp bulb and part manufacturing	<1	76	132	296
Lighting fixture manufacturing	<1	1,014	1,384	4,080
Small electrical appliance manufacturing	<1	386	895	2,540
Household cooking appliance manufacturing	<1	359	1,018	2,621
Household refrigerator and home freezer manufacturing	<1	443	1,157	2,815
Household laundry equipment manufacturing	<1	1,408	2,611	8,054
Other major household appliance manufacturing	<1	231	715	1,567
Power, distribution, and specialty transformer manufacturing	<1	1,422	1,957	5,286
Motor and generator manufacturing	<1	275	536	1,573
Switchgear and switchboard apparatus manufacturing	<1	836	1,599	4,150
Relay and industrial control manufacturing	<1	916	1,253	3,111
Storage battery manufacturing	<1	588	993	2,622
Primary battery manufacturing	<1	143	1,124	944
Fiber optic cable manufacturing	<1	866	1,301	3,289
Other communication and energy wire manufacturing	<1	255	504	1,803
Wiring device manufacturing	<1	1,113	2,492	5,223
Carbon and graphite product manufacturing	<1	10	16	74
All other miscellaneous electrical equipment and component manufacturing	<1	41	48	140
Automobile manufacturing	<1	1,928	2,916	23,974
Light truck and utility vehicle manufacturing	<1	420	650	7,723
Heavy duty truck manufacturing	<1	2	2	14
Motor vehicle body manufacturing	<1	54	60	240
Truck trailer manufacturing	<1	1	1	8
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	40	43	204

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	595	710	4,360
Motor vehicle electrical and electronic equipment manufacturing	<1	1,949	2,153	11,015
Motor vehicle transmission and power train parts manufacturing	<1	2,581	2,849	15,204
Motor vehicle seating and interior trim manufacturing	<1	171	182	1,072
Motor vehicle metal stamping	<1	954	1,043	3,591
Other motor vehicle parts manufacturing	<1	2,419	2,608	14,718
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	695	792	2,860
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	45	83	247
Other aircraft parts and auxiliary equipment manufacturing	<1	93	117	234
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	40	42	148
Ship building and repairing	<1	13	16	44
Boat building	<1	42	56	204
Motorcycle, bicycle, and parts manufacturing	<1	113	242	491
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	243	396	1,407
Wood kitchen cabinet and countertop manufacturing	<1	591	799	1,916
Upholstered household furniture manufacturing	<1	520	595	1,904
Nonupholstered wood household furniture manufacturing	<1	451	541	1,398
Other household nonupholstered furniture manufacturing	<1	30	53	181
Institutional furniture manufacturing	<1	32	35	106
Wood office furniture manufacturing	<1	2	3	7

## Appendix

Custom architectural woodwork and millwork	<1	39	38	92
Office furniture, except wood, manufacturing	<1	10	17	50
Showcase, partition, shelving, and locker manufacturing	<1	192	276	799
Mattress manufacturing	<1	137	268	1,026
Blind and shade manufacturing	<1	56	58	225
Surgical and medical instrument manufacturing	<1	1,153	1,414	2,254
Surgical appliance and supplies manufacturing	<1	1,064	1,507	2,630
Dental equipment and supplies manufacturing	<1	139	180	376
Ophthalmic goods manufacturing	<1	143	199	435
Dental laboratories	<1	533	570	982
Jewelry and silverware manufacturing	<1	699	1,129	2,797
Sporting and athletic goods manufacturing	<1	1,531	1,851	3,955
Doll, toy, and game manufacturing	<1	333	446	1,110
Office supplies (except paper) manufacturing	<1	1,259	1,589	3,549
Sign manufacturing	<1	1,046	989	1,827
Gasket, packing, and sealing device manufacturing	<1	625	671	1,313
Musical instrument manufacturing	<1	159	171	348
Fasteners, buttons, needles, and pins manufacturing	<1	433	469	937
Broom, brush, and mop manufacturing	<1	840	1,058	2,507
Burial casket manufacturing	<1	146	193	348
All other miscellaneous manufacturing	<1	2,814	3,431	7,120
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,215	14,330	30,230
Wholesale - Professional and commercial equipment and supplies	<1	36,039	58,378	98,271
Wholesale - Household appliances and electrical and electronic goods	<1	19,967	52,705	108,028
Wholesale - Machinery, equipment, and supplies	<1	15,347	29,914	48,964
Wholesale - Other durable goods merchant wholesalers	<1	27,233	51,808	98,939

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	21,074	55,368	96,301
Wholesale - Grocery and related product wholesalers	<1	26,072	40,510	73,556
Wholesale - Petroleum and petroleum products	<1	3,844	52,024	59,900
Wholesale - Other nondurable goods merchant wholesalers	<1	42,149	99,097	168,975
Wholesale - Wholesale electronic markets and agents and brokers	<1	24,113	27,689	32,062
Retail - Motor vehicle and parts dealers	<1	21,220	31,636	43,204
Retail - Furniture and home furnishings stores	<1	11,242	16,160	25,869
Retail - Electronics and appliance stores	<1	16,473	14,084	21,316
Retail - Building material and garden equipment and supplies stores	<1	12,131	25,762	36,166
Retail - Food and beverage stores	<1	41,024	60,495	94,507
Retail - Health and personal care stores	<1	25,128	33,033	47,419
Retail - Gasoline stores	<1	8,114	21,010	38,908
Retail - Clothing and clothing accessories stores	<1	14,690	27,249	54,106
Retail - Sporting goods, hobby, musical instrument and book stores	<1	10,512	14,752	23,426
Retail - General merchandise stores	<1	33,907	57,890	92,086
Retail - Miscellaneous store retailers	<1	23,809	25,607	39,559
Retail - Nonstore retailers	<1	16,487	112,686	184,340
Air transportation	<1	43,564	76,221	158,318
Rail transportation	<1	6,750	15,207	30,368
Water transportation	<1	3,396	7,084	25,103
Truck transportation	<1	51,123	78,052	156,082
Transit and ground passenger transportation	1	32,285	37,142	55,755
Pipeline transportation	<1	10,868	13,790	17,771
Scenic and sightseeing transportation and support activities for transportation	<1	46,443	39,480	57,164
Couriers and messengers	<1	23,427	50,478	59,528
Warehousing and storage	<1	38,769	41,973	75,293
Newspaper publishers	<1	5,465	8,808	11,655
Periodical publishers	<1	8,812	12,954	18,895
Book publishers	<1	4,468	11,171	22,886

## Appendix

Directory, mailing list, and other publishers	<1	3,277	7,240	13,790
Greeting card publishing	<1	51	155	303
Software publishers	<1	43,802	77,948	105,518
Motion picture and video industries	<1	9,428	13,601	34,415
Sound recording industries	<1	1,665	8,691	16,198
Radio and television broadcasting	<1	42,904	51,421	80,286
Cable and other subscription programming	<1	13,404	43,107	77,690
Wired telecommunications carriers	<1	18,350	42,515	75,505
Wireless telecommunications carriers (except satellite)	<1	5,558	47,532	97,821
Satellite, telecommunications resellers, and all other telecommunications	<1	4,996	6,324	14,461
Data processing, hosting, and related services	<1	54,656	102,334	243,405
News syndicates, libraries, archives and all other information services	<1	4,468	6,573	12,817
Internet publishing and broadcasting and web search portals	<1	37,479	86,607	252,218
Nondepository credit intermediation and related activities	<1	43,509	46,693	67,511
Securities and commodity contracts intermediation and brokerage	1	129,285	96,906	156,193
Monetary authorities and depository credit intermediation	<1	123,386	402,193	541,255
Other financial investment activities	<1	103,194	120,308	219,275
Direct life insurance carriers	<1	15,905	30,750	42,624
Insurance carriers, except direct life	<1	51,053	149,336	270,774
Insurance agencies, brokerages, and related activities	<1	46,604	73,189	151,376
Funds, trusts, and other financial vehicles	<1	10,416	20,100	83,590
Other real estate	3	177,202	427,075	862,533
Tenant-occupied housing	<1	12,807	129,893	136,854
Owner-occupied dwellings	0	0	529,069	638,499
Automotive equipment rental and leasing	<1	11,598	47,656	55,026

## Appendix

General and consumer goods rental except video tapes and discs	<1	9,074	18,063	23,913
Video tape and disc rental	<1	2,109	3,808	5,581
Commercial and industrial machinery and equipment rental and leasing	<1	11,696	38,022	44,969
Lessors of nonfinancial intangible assets	<1	1,121	35,617	37,462
Legal services	<1	128,475	223,078	276,844
Accounting, tax preparation, bookkeeping, and payroll services	<1	90,541	100,898	147,188
Architectural, engineering, and related services	16	1,761,361	1,880,607	3,209,679
Specialized design services	<1	15,735	20,684	36,940
Custom computer programming services	<1	43,452	42,704	56,139
Computer systems design services	<1	41,169	37,425	46,474
Other computer related services, including facilities management	<1	24,745	29,887	53,574
Management consulting services	2	244,918	249,250	348,298
Environmental and other technical consulting services	<1	28,539	30,212	45,260
Scientific research and development services	9	1,228,713	1,767,193	2,896,574
Advertising, public relations, and related services	<1	79,559	98,918	192,696
Photographic services	<1	2,207	4,020	9,264
Veterinary services	<1	6,246	6,621	10,032
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	77,302	97,865	198,185
Management of companies and enterprises	1	222,427	250,180	378,796
Office administrative services	<1	107,136	36,692	85,943
Facilities support services	<1	2,641	3,600	7,267
Employment services	4	242,936	336,550	526,062
Business support services	<1	35,454	30,220	43,755
Travel arrangement and reservation services	<1	7,963	12,550	34,214
Investigation and security services	<1	25,226	25,668	36,672
Services to buildings	<1	28,255	39,641	75,868
Landscape and horticultural services	<1	19,348	23,640	41,873
Other support services	<1	15,951	20,308	38,050
Waste management and remediation services	<1	11,419	19,224	36,268

## Appendix

Elementary and secondary schools	<1	33,033	26,347	31,808
Junior colleges, colleges, universities, and professional schools	17	1,148,864	1,416,999	1,800,211
Other educational services	<1	19,540	21,981	39,910
Offices of physicians	1	141,868	142,770	201,445
Offices of dentists	<1	29,520	35,200	47,371
Offices of other health practitioners	<1	21,246	32,024	40,429
Outpatient care centers	<1	20,570	20,296	32,709
Medical and diagnostic laboratories	<1	8,516	13,634	18,585
Home health care services	<1	27,670	27,572	36,420
Other ambulatory health care services	<1	10,334	12,151	18,376
Hospitals	3	274,423	349,157	615,657
Nursing and community care facilities	<1	37,133	44,432	67,702
Residential mental retardation, mental health, substance abuse and other facilities	<1	17,155	18,825	26,471
Individual and family services	2	51,895	45,372	64,337
Child day care services	<1	19,933	28,938	37,695
Community food, housing, and other relief services, including rehabilitation services	<1	16,330	15,372	32,554
Performing arts companies	<1	5,804	12,421	19,129
Commercial Sports Except Racing	<1	14,837	16,414	22,033
Racing and Track Operation	<1	1,333	2,365	3,547
Independent artists, writers, and performers	<1	4,244	15,997	20,147
Promoters of performing arts and sports and agents for public figures	<1	4,768	15,446	25,331
Museums, historical sites, zoos, and parks	<1	3,886	5,037	7,923
Amusement parks and arcades	<1	782	1,443	1,687
Gambling industries (except casino hotels)	<1	10,636	35,684	44,554
Other amusement and recreation industries	<1	9,263	8,577	11,669
Fitness and recreational sports centers	<1	6,822	9,141	13,022
Bowling centers	<1	1,119	1,773	2,603
Hotels and motels, including casino hotels	<1	19,888	47,744	61,679
Other accommodations	<1	7,550	9,419	11,453

## Appendix

Full-service restaurants	2	85,901	128,720	230,397
Limited-service restaurants	2	56,417	90,598	196,823
All other food and drinking places	1	56,715	82,069	122,003
Automotive repair and maintenance, except car washes	<1	44,462	47,544	68,958
Car washes	<1	20,935	31,892	45,504
Electronic and precision equipment repair and maintenance	<1	12,451	16,564	24,967
Commercial and industrial machinery and equipment repair and maintenance	<1	21,818	25,248	35,971
Personal and household goods repair and maintenance	<1	5,298	9,865	13,658
Personal care services	<1	18,391	8,776	11,632
Death care services	<1	5,138	2,927	4,327
Dry-cleaning and laundry services	<1	8,468	4,293	5,946
Other personal services	<1	16,400	19,802	28,015
Religious organizations	1	89,150	34,440	117,675
Grantmaking, giving, and social advocacy organizations	<1	20,291	49,999	73,838
Business and professional associations	<1	19,906	27,688	42,126
Labor and civic organizations	<1	17,090	40,059	66,737
Private households	<1	7,267	7,267	7,267
Postal service	<1	28,127	28,319	28,329
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,308	-277	1,378
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	13,445	-170	3,032
Local government electric utilities	<1	58	133	307
Other local government enterprises	<1	12,729	1,591	23,162
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	408,220	824,045	1,507,982

## Investments in Climate Change Research and Technology

**Table 666: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	169	14,917,342	23,169,611	39,470,061
Oilseed farming	<1	45,628	102,676	166,328
Grain farming	<1	27,045	53,450	154,975
Vegetable and melon farming	<1	962	1,493	2,962
Fruit farming	<1	241	350	530
Tree nut farming	<1	4	5	9
Greenhouse, nursery, and floriculture production	<1	1,496	2,419	5,754
Tobacco farming	<1	9	11	26
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	404	604	1,388
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	2,341	3,870	10,658
Dairy cattle and milk production	<1	584	995	5,222
Poultry and egg production	<1	243	485	5,981
Animal production, except cattle and poultry and eggs	<1	20,725	45,685	56,227
Forestry, forest products, and timber tract production	<1	343	393	580

## Appendix

Commercial logging	<1	377	427	803
Commercial fishing	<1	26	83	84
Commercial hunting and trapping	<1	102	225	358
Support activities for agriculture and forestry	<1	5,975	6,217	6,610
Oil and gas extraction	<1	2,340	2,890	62,371
Coal mining	<1	2,939	6,849	10,493
Copper, nickel, lead, and zinc mining	<1	1,077	3,397	5,671
Iron ore mining	<1	50	86	159
Gold ore mining	<1	102	200	349
Silver ore mining	<1	25	39	66
Uranium-radium-vanadium ore mining	<1	15	46	80
Other metal ore mining	<1	17	29	52
Stone mining and quarrying	<1	1,298	4,416	6,894
Sand and gravel mining	<1	1,185	1,948	3,218
Other clay, ceramic, refractory minerals mining	<1	11	20	34
Potash, soda, and borate mineral mining	<1	25	35	59
Phosphate rock mining	<1	11	19	33
Other chemical and fertilizer mineral mining	<1	8	11	20
Other nonmetallic minerals	<1	66	110	190
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	15	18	66
Metal mining services	<1	53	79	1,642
Other nonmetallic minerals services	<1	5	6	90
Electric power generation - Hydroelectric	<1	1,583	3,409	5,630
Electric power generation - Fossil fuel	<1	8,527	31,622	68,725
Electric power generation - Nuclear	<1	25,782	49,771	88,063
Electric power generation - Solar	<1	969	2,306	4,141
Electric power generation - Wind	<1	1,227	9,132	15,970
Electric power generation - Geothermal	<1	193	380	607
Electric power generation - Biomass	<1	97	254	561
Electric power generation - All other	<1	218	51	136
Electric power transmission and distribution	<1	53,514	173,464	346,790

## Appendix

Natural gas distribution	<1	21,112	69,621	137,631
Water, sewage and other systems	<1	5,445	10,890	18,177
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	30,600	49,850	114,766
Maintenance and repair construction of residential structures	<1	12,995	20,083	45,360
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	18	29	67
Dog and cat food manufacturing	<1	1,152	3,102	13,012
Other animal food manufacturing	<1	1,427	2,788	20,712
Flour milling	<1	1,007	2,166	12,223
Rice milling	<1	13	25	123
Malt manufacturing	<1	9	16	73
Wet corn milling	<1	18,409	39,807	191,097
Soybean and other oilseed processing	<1	986	6,247	42,814
Fats and oils refining and blending	<1	468	1,268	10,627
Breakfast cereal manufacturing	<1	2,061	5,137	16,935
Beet sugar manufacturing	<1	612	1,222	4,795
Sugar cane mills and refining	<1	282	787	3,243
Nonchocolate confectionery manufacturing	<1	4,832	6,900	22,015

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	440	677	2,741
Confectionery manufacturing from purchased chocolate	<1	1,990	2,919	11,063
Frozen fruits, juices and vegetables manufacturing	<1	1,029	2,162	8,679
Frozen specialties manufacturing	<1	2,297	3,190	12,060
Canned fruits and vegetables manufacturing	<1	1,437	2,804	7,796
Canned specialties	<1	466	1,098	4,190
Dehydrated food products manufacturing	<1	629	1,179	4,037
Cheese manufacturing	<1	1,322	1,902	17,023
Dry, condensed, and evaporated dairy product manufacturing	<1	1,201	2,983	19,802
Fluid milk manufacturing	<1	1,988	3,257	21,314
Creamery butter manufacturing	<1	24	86	525
Ice cream and frozen dessert manufacturing	<1	871	1,263	5,723
Frozen cakes and other pastries manufacturing	<1	3,258	4,977	9,027
Poultry processing	<1	478	583	1,421
Animal, except poultry, slaughtering	<1	5,761	7,157	55,216
Meat processed from carcasses	<1	11,617	11,222	79,564
Rendering and meat byproduct processing	<1	327	407	1,772
Seafood product preparation and packaging	<1	556	783	3,997
Bread and bakery product, except frozen, manufacturing	<1	14,385	21,290	46,406
Cookie and cracker manufacturing	<1	2,535	3,593	10,709
Dry pasta, mixes, and dough manufacturing	<1	1,801	4,280	15,456
Tortilla manufacturing	<1	906	1,221	3,796
Roasted nuts and peanut butter manufacturing	<1	747	1,655	5,673
Other snack food manufacturing	<1	1,736	4,362	14,992
Coffee and tea manufacturing	<1	485	907	5,502
Flavoring syrup and concentrate manufacturing	<1	1,462	11,159	20,817
Mayonnaise, dressing, and sauce manufacturing	<1	735	1,446	5,596
Spice and extract manufacturing	<1	2,641	4,334	14,981
All other food manufacturing	<1	5,566	7,996	29,926
Bottled and canned soft drinks & water	<1	2,839	4,993	23,176
Manufactured ice	<1	274	193	895

## Appendix

Breweries	<1	2,201	4,497	13,245
Wineries	<1	736	1,294	4,772
Distilleries	<1	1,418	5,263	11,656
Tobacco product manufacturing	<1	176	4,558	7,792
Fiber, yarn, and thread mills	<1	51	64	372
Broadwoven fabric mills	<1	37	47	231
Narrow fabric mills and schiffli machine embroidery	<1	104	111	286
Nonwoven fabric mills	<1	285	399	2,118
Knit fabric mills	<1	3	5	15
Textile and fabric finishing mills	<1	106	129	593
Fabric coating mills	<1	71	84	355
Carpet and rug mills	<1	119	150	341
Curtain and linen mills	<1	407	468	1,574
Textile bag and canvas mills	<1	1,211	1,430	4,385
Rope, cordage, twine, tire cord and tire fabric mills	<1	109	134	427
Other textile product mills	<1	459	512	1,490
Hosiery and sock mills	<1	38	66	149
Other apparel knitting mills	<1	45	80	189
Cut and sew apparel contractors	<1	158	199	407
Men's and boys' cut and sew apparel manufacturing	<1	431	549	1,261
Women's and girls' cut and sew apparel manufacturing	<1	490	832	2,510
Other cut and sew apparel manufacturing	<1	296	429	1,097
Apparel accessories and other apparel manufacturing	<1	502	734	1,606
Leather and hide tanning and finishing	<1	107	172	538
Footwear manufacturing	<1	213	232	660
Other leather and allied product manufacturing	<1	221	252	617
Sawmills	<1	270	352	1,861
Wood preservation	<1	192	298	1,427
Veneer and plywood manufacturing	<1	46	57	216
Engineered wood member and truss manufacturing	<1	248	294	1,124
Reconstituted wood product manufacturing	<1	60	98	559
Wood windows and door manufacturing	<1	2,418	2,626	8,268
Cut stock, resawing lumber, and planing	<1	24	34	156

## Appendix

Other millwork, including flooring	<1	868	1,021	3,368
Wood container and pallet manufacturing	<1	1,804	1,977	5,898
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	141	167	561
All other miscellaneous wood product manufacturing	<1	628	710	2,344
Pulp mills	<1	8	10	42
Paper mills	<1	1,854	2,974	11,090
Paperboard mills	<1	946	1,441	8,689
Paperboard container manufacturing	<1	8,609	11,006	53,173
Paper bag and coated and treated paper manufacturing	<1	4,932	6,251	24,401
Stationery product manufacturing	<1	959	1,097	4,301
Sanitary paper product manufacturing	<1	1,578	2,700	11,709
All other converted paper product manufacturing	<1	497	663	2,425
Printing	<1	31,153	46,995	85,170
Support activities for printing	<1	2,373	3,569	5,226
Petroleum refineries	<1	20,898	63,587	417,667
Asphalt paving mixture and block manufacturing	<1	890	1,012	3,002
Asphalt shingle and coating materials manufacturing	<1	648	1,033	3,122
Petroleum lubricating oil and grease manufacturing	<1	3,863	5,915	16,928
All other petroleum and coal products manufacturing	<1	1,547	2,611	7,572
Petrochemical manufacturing	<1	33	504	1,782
Industrial gas manufacturing	<1	1,749	6,049	15,087
Synthetic dye and pigment manufacturing	<1	404	878	2,475
Other basic inorganic chemical manufacturing	<1	1,801	4,465	10,219
Other basic organic chemical manufacturing	<1	2,200	6,075	31,927
Plastics material and resin manufacturing	<1	4,009	7,857	42,276
Synthetic rubber manufacturing	<1	41	66	331
Artificial and synthetic fibers and filaments manufacturing	<1	72	125	735
Nitrogenous fertilizer manufacturing	<1	225	969	2,249

Appendix

Phosphatic fertilizer manufacturing	<1	13	40	82
Fertilizer mixing	<1	58	137	427
Pesticide and other agricultural chemical manufacturing	<1	1,469	6,081	15,909
Medicinal and botanical manufacturing	<1	1,688	3,182	9,808
Pharmaceutical preparation manufacturing	<1	49,137	149,419	270,466
In-vitro diagnostic substance manufacturing	<1	371	626	1,379
Biological product (except diagnostic) manufacturing	<1	931	3,513	6,986
Paint and coating manufacturing	<1	2,212	5,151	18,381
Adhesive manufacturing	<1	820	1,521	5,319
Soap and other detergent manufacturing	<1	3,008	10,133	31,889
Polish and other sanitation good manufacturing	<1	2,790	5,297	11,532
Surface active agent manufacturing	<1	456	2,313	4,795
Toilet preparation manufacturing	<1	3,435	12,155	28,385
Printing ink manufacturing	<1	1,669	1,926	7,605
Explosives manufacturing	<1	44	53	201
Custom compounding of purchased resins	<1	924	1,748	6,506
Photographic film and chemical manufacturing	<1	874	2,282	6,868
Other miscellaneous chemical product manufacturing	<1	2,399	4,330	13,616
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,624	5,936	20,750
Unlaminated plastics profile shape manufacturing	<1	1,571	3,590	11,556
Plastics pipe and pipe fitting manufacturing	<1	404	1,144	4,072
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	644	1,082	3,144
Polystyrene foam product manufacturing	<1	1,392	2,486	8,876
Urethane and other foam product (except polystyrene) manufacturing	<1	882	1,523	5,538
Plastics bottle manufacturing	<1	699	1,110	4,732
Other plastics product manufacturing	<1	29,899	44,239	111,515
Tire manufacturing	<1	4,297	5,543	22,098

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	335	539	1,925
Other rubber product manufacturing	<1	3,225	4,122	12,590
Pottery, ceramics, and plumbing fixture manufacturing	<1	79	134	340
Brick, tile, and other structural clay product manufacturing	<1	320	598	1,236
Flat glass manufacturing	<1	270	587	1,426
Other pressed and blown glass and glassware manufacturing	<1	503	892	2,180
Glass container manufacturing	<1	694	1,188	2,822
Glass product manufacturing made of purchased glass	<1	1,151	2,270	5,221
Cement manufacturing	<1	216	554	1,347
Ready-mix concrete manufacturing	<1	2,136	3,808	11,136
Concrete block and brick manufacturing	<1	662	1,294	2,874
Concrete pipe manufacturing	<1	193	349	774
Other concrete product manufacturing	<1	1,570	2,510	4,867
Lime manufacturing	<1	30	76	217
Gypsum product manufacturing	<1	92	299	820
Abrasive product manufacturing	<1	414	1,001	1,712
Cut stone and stone product manufacturing	<1	746	1,032	2,336
Ground or treated mineral and earth manufacturing	<1	269	717	1,389
Mineral wool manufacturing	<1	138	423	1,030
Miscellaneous nonmetallic mineral products manufacturing	<1	37	97	225
Iron and steel mills and ferroalloy manufacturing	<1	2,310	6,410	32,845
Iron, steel pipe and tube manufacturing from purchased steel	<1	691	1,634	5,289
Rolled steel shape manufacturing	<1	329	1,277	4,816
Steel wire drawing	<1	151	330	1,115
Alumina refining and primary aluminum production	<1	24	45	236
Secondary smelting and alloying of aluminum	<1	83	182	1,529
Aluminum sheet, plate, and foil manufacturing	<1	102	239	917
Other aluminum rolling, drawing and extruding	<1	224	351	1,765
Nonferrous metal (exc aluminum) smelting and refining	<1	13	104	209



## Appendix

Copper rolling, drawing, extruding and alloying	<1	8,683	20,259	148,544
Nonferrous metal, except copper and aluminum, shaping	<1	180	228	951
Secondary processing of other nonferrous metals	<1	7	15	77
Ferrous metal foundries	<1	629	1,139	2,566
Nonferrous metal foundries	<1	1,005	1,411	3,451
Custom roll forming	<1	81	118	580
Crown and closure manufacturing and metal stamping	<1	3,117	4,058	11,102
Iron and steel forging	<1	1,276	1,739	5,530
Nonferrous forging	<1	79	101	363
Cutlery, utensil, pot, and pan manufacturing	<1	100	218	579
Handtool manufacturing	<1	1,939	3,100	7,346
Prefabricated metal buildings and components manufacturing	<1	365	558	2,075
Fabricated structural metal manufacturing	<1	1,508	2,234	7,400
Plate work manufacturing	<1	841	958	3,013
Metal window and door manufacturing	<1	1,465	2,017	4,438
Sheet metal work manufacturing	<1	2,475	3,379	9,147
Ornamental and architectural metal work manufacturing	<1	744	909	2,404
Power boiler and heat exchanger manufacturing	<1	14	20	43
Metal tank (heavy gauge) manufacturing	<1	93	115	400
Metal cans manufacturing	<1	683	1,278	6,977
Metal barrels, drums and pails manufacturing	<1	356	465	1,715
Hardware manufacturing	<1	669	990	3,628
Spring and wire product manufacturing	<1	1,460	1,919	5,728
Machine shops	<1	9,446	11,200	23,778
Turned product and screw, nut, and bolt manufacturing	<1	3,548	4,548	12,356
Metal heat treating	<1	777	1,021	2,806
Metal coating and nonprecious engraving	<1	1,264	2,190	6,100
Electroplating, anodizing, and coloring metal	<1	2,135	2,330	5,072
Valve and fittings, other than plumbing, manufacturing	<1	1,149	1,700	5,309
Plumbing fixture fitting and trim manufacturing	<1	564	1,313	4,526

## Appendix

Ball and roller bearing manufacturing	<1	1,683	2,702	7,336
Small arms ammunition manufacturing	<1	4,340	9,751	20,952
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	839	1,772	5,350
Fabricated pipe and pipe fitting manufacturing	<1	249	313	858
Other fabricated metal manufacturing	<1	3,636	4,807	12,406
Farm machinery and equipment manufacturing	<1	372	785	2,735
Lawn and garden equipment manufacturing	<1	175	336	1,424
Construction machinery manufacturing	<1	190	490	1,048
Mining machinery and equipment manufacturing	<1	14	22	67
Oil and gas field machinery and equipment manufacturing	<1	10	13	36
Semiconductor machinery manufacturing	<1	2	3	7
Food product machinery manufacturing	<1	12	14	39
Sawmill, woodworking, and paper machinery	<1	19	22	66
Printing machinery and equipment manufacturing	<1	17	20	62
All other industrial machinery manufacturing	<1	57	78	206
Optical instrument and lens manufacturing	<1	159	255	617
Photographic and photocopying equipment manufacturing	<1	30	38	117
Other commercial service industry machinery manufacturing	<1	299	542	1,538
Air purification and ventilation equipment manufacturing	<1	506	694	1,258
Heating equipment (except warm air furnaces) manufacturing	<1	626	1,070	2,767
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,007	1,973	5,675
Industrial mold manufacturing	<1	150	191	405
Special tool, die, jig, and fixture manufacturing	<1	162	231	441

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	216	261	559
Machine tool manufacturing	<1	51	69	202
Rolling mill and other metalworking machinery manufacturing	<1	104	150	327
Turbine and turbine generator set units manufacturing	<1	97	109	251
Speed changer, industrial high-speed drive, and gear manufacturing	<1	946	1,490	3,860
Mechanical power transmission equipment manufacturing	<1	543	856	2,089
Other engine equipment manufacturing	<1	2,332	6,020	14,728
Pump and pumping equipment manufacturing	<1	48	92	253
Air and gas compressor manufacturing	<1	22	32	87
Elevator and moving stairway manufacturing	<1	46	62	195
Conveyor and conveying equipment manufacturing	<1	43	50	139
Overhead cranes, hoists, and monorail systems manufacturing	<1	7	14	41
Industrial truck, trailer, and stacker manufacturing	<1	82	154	449
Power-driven handtool manufacturing	<1	60	196	391
Welding and soldering equipment manufacturing	<1	78	130	284
Packaging machinery manufacturing	<1	122	196	478
Industrial process furnace and oven manufacturing	<1	24	30	70
Fluid power cylinder and actuator manufacturing	<1	314	488	1,141
Fluid power pump and motor manufacturing	<1	491	879	2,206
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	46	60	168
Electronic computer manufacturing	<1	16	24	117
Computer storage device manufacturing	<1	4	7	21
Computer terminals and other computer peripheral equipment manufacturing	<1	10,233	15,493	37,226
Telephone apparatus manufacturing	<1	156	255	889

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	86	114	282
Other communications equipment manufacturing	<1	293	465	1,418
Audio and video equipment manufacturing	<1	588	987	3,956
Printed circuit assembly (electronic assembly) manufacturing	<1	1,385	2,142	9,723
Bare printed circuit board manufacturing	<1	828	1,008	2,916
Semiconductor and related device manufacturing	<1	91	143	571
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	114	146	573
Electronic connector manufacturing	<1	3,938	5,129	11,939
Other electronic component manufacturing	<1	1,132	1,395	4,596
Electromedical and electrotherapeutic apparatus manufacturing	<1	51	79	205
Search, detection, and navigation instruments manufacturing	<1	71	115	276
Automatic environmental control manufacturing	<1	6,646	8,698	18,114
Industrial process variable instruments manufacturing	<1	95	135	360
Totalizing fluid meter and counting device manufacturing	<1	62	120	333
Electricity and signal testing instruments manufacturing	<1	953	1,161	3,129
Analytical laboratory instrument manufacturing	<1	78,266	126,388	319,666
Irradiation apparatus manufacturing	<1	5	10	34
Watch, clock, and other measuring and controlling device manufacturing	<1	88	125	441
Blank magnetic and optical recording media manufacturing	<1	408	1,382	4,791
Software and other prerecorded and record reproducing	<1	1,116	1,567	3,572
Electric lamp bulb and part manufacturing	<1	112	189	441
Lighting fixture manufacturing	<1	1,189	1,587	5,040
Small electrical appliance manufacturing	<1	536	1,234	3,598

## Appendix

Household cooking appliance manufacturing	<1	545	1,377	3,968
Household refrigerator and home freezer manufacturing	<1	669	1,563	4,235
Household laundry equipment manufacturing	<1	2,135	3,680	12,401
Other major household appliance manufacturing	<1	253	684	1,670
Power, distribution, and specialty transformer manufacturing	<1	1,079	1,580	4,059
Motor and generator manufacturing	<1	384	750	2,213
Switchgear and switchboard apparatus manufacturing	<1	776	1,500	4,005
Relay and industrial control manufacturing	<1	1,413	1,931	5,122
Storage battery manufacturing	<1	575	975	2,757
Primary battery manufacturing	<1	198	958	1,207
Fiber optic cable manufacturing	<1	301	459	1,221
Other communication and energy wire manufacturing	<1	5,282	9,816	36,853
Wiring device manufacturing	<1	2,928	6,065	13,483
Carbon and graphite product manufacturing	<1	20	33	152
All other miscellaneous electrical equipment and component manufacturing	<1	1,591	1,853	5,316
Automobile manufacturing	<1	4,182	7,548	57,907
Light truck and utility vehicle manufacturing	<1	939	1,700	19,151
Heavy duty truck manufacturing	<1	3	4	31
Motor vehicle body manufacturing	<1	111	123	475
Truck trailer manufacturing	<1	3	3	18
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	104	112	527
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,085	1,302	8,077
Motor vehicle electrical and electronic equipment manufacturing	<1	4,655	5,122	28,526
Motor vehicle transmission and power train parts manufacturing	<1	3,427	3,946	23,105
Motor vehicle seating and interior trim manufacturing	<1	487	524	3,112
Motor vehicle metal stamping	<1	3,022	3,262	11,898
Other motor vehicle parts manufacturing	<1	4,976	5,567	31,117

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,214	1,325	5,039
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	224	416	1,271
Other aircraft parts and auxiliary equipment manufacturing	<1	193	250	486
Guided missile and space vehicle manufacturing	<1	<1	1	4
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	74	79	287
Ship building and repairing	<1	29	36	98
Boat building	<1	100	136	495
Motorcycle, bicycle, and parts manufacturing	<1	270	701	1,307
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	668	1,154	4,134
Wood kitchen cabinet and countertop manufacturing	<1	1,241	1,729	4,183
Upholstered household furniture manufacturing	<1	825	943	2,990
Nonupholstered wood household furniture manufacturing	<1	773	933	2,469
Other household nonupholstered furniture manufacturing	<1	52	94	340
Institutional furniture manufacturing	<1	43	47	153
Wood office furniture manufacturing	<1	3	5	13
Custom architectural woodwork and millwork	<1	62	62	153
Office furniture, except wood, manufacturing	<1	12	25	71
Showcase, partition, shelving, and locker manufacturing	<1	392	592	1,722
Mattress manufacturing	<1	261	513	1,986
Blind and shade manufacturing	<1	118	120	462
Surgical and medical instrument manufacturing	<1	1,901	2,281	3,809
Surgical appliance and supplies manufacturing	<1	1,667	2,287	4,186

## Appendix

Dental equipment and supplies manufacturing	<1	226	284	608
Ophthalmic goods manufacturing	<1	293	394	877
Dental laboratories	<1	909	965	1,675
Jewelry and silverware manufacturing	<1	1,306	2,058	5,159
Sporting and athletic goods manufacturing	<1	2,917	3,475	7,796
Doll, toy, and game manufacturing	<1	563	714	1,856
Office supplies (except paper) manufacturing	<1	1,581	1,921	4,903
Sign manufacturing	<1	2,092	1,946	3,702
Gasket, packing, and sealing device manufacturing	<1	1,277	1,352	2,724
Musical instrument manufacturing	<1	166	173	365
Fasteners, buttons, needles, and pins manufacturing	<1	535	570	1,127
Broom, brush, and mop manufacturing	<1	789	903	2,398
Burial casket manufacturing	<1	375	470	948
All other miscellaneous manufacturing	<1	3,247	3,869	8,381
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	9,881	23,001	47,904
Wholesale - Professional and commercial equipment and supplies	<1	47,554	77,396	130,959
Wholesale - Household appliances and electrical and electronic goods	<1	32,353	84,427	172,756
Wholesale - Machinery, equipment, and supplies	<1	25,800	50,906	83,298
Wholesale - Other durable goods merchant wholesalers	<1	39,082	75,279	143,490
Wholesale - Drugs and druggists'sundries	<1	34,194	92,191	163,029
Wholesale - Grocery and related product wholesalers	<1	43,179	68,083	123,882
Wholesale - Petroleum and petroleum products	<1	7,910	86,841	102,885
Wholesale - Other nondurable goods merchant wholesalers	<1	65,033	149,060	259,809
Wholesale - Wholesale electronic markets and agents and brokers	<1	39,652	45,943	53,815
Retail - Motor vehicle and parts dealers	<1	36,107	54,482	74,809
Retail - Furniture and home furnishings stores	<1	18,217	26,450	42,765

## Appendix

Retail - Electronics and appliance stores	<1	26,592	22,934	35,646
Retail - Building material and garden equipment and supplies stores	<1	19,794	43,050	60,724
Retail - Food and beverage stores	2	63,674	95,251	149,613
Retail - Health and personal care stores	<1	40,461	53,665	78,373
Retail - Gasoline stores	<1	13,604	36,556	68,661
Retail - Clothing and clothing accessories stores	<1	23,404	44,897	90,915
Retail - Sporting goods, hobby, musical instrument and book stores	<1	16,628	23,698	38,210
Retail - General merchandise stores	1	57,104	98,964	158,335
Retail - Miscellaneous store retailers	1	38,070	41,513	65,422
Retail - Nonstore retailers	1	26,450	182,655	299,451
Air transportation	<1	71,570	121,498	258,408
Rail transportation	<1	11,677	28,844	54,866
Water transportation	<1	6,440	12,345	48,045
Truck transportation	1	87,753	135,325	278,736
Transit and ground passenger transportation	1	32,301	38,500	62,395
Pipeline transportation	<1	28,459	29,307	38,627
Scenic and sightseeing transportation and support activities for transportation	<1	101,000	89,211	127,445
Couriers and messengers	1	34,517	79,370	93,466
Warehousing and storage	1	64,887	69,747	127,105
Newspaper publishers	<1	8,471	12,172	17,220
Periodical publishers	<1	10,455	13,060	21,566
Book publishers	<1	5,962	12,995	28,972
Directory, mailing list, and other publishers	<1	6,086	12,129	24,045
Greeting card publishing	<1	82	226	451
Software publishers	<1	67,577	108,189	153,531
Motion picture and video industries	<1	14,049	20,121	53,973
Sound recording industries	<1	2,428	12,394	24,396
Radio and television broadcasting	<1	68,255	81,835	143,898
Cable and other subscription programming	<1	19,257	59,011	114,175
Wired telecommunications carriers	<1	31,233	69,595	127,209



## Appendix

Wireless telecommunications carriers (except satellite)	<1	9,112	66,886	149,110
Satellite, telecommunications resellers, and all other telecommunications	<1	8,005	10,864	24,029
Data processing, hosting, and related services	<1	64,957	120,473	296,593
News syndicates, libraries, archives and all other information services	<1	7,228	10,629	20,878
Internet publishing and broadcasting and web search portals	<1	67,971	158,125	468,520
Nondepository credit intermediation and related activities	<1	68,130	72,701	108,411
Securities and commodity contracts intermediation and brokerage	2	189,362	148,379	269,631
Monetary authorities and depository credit intermediation	2	244,605	686,045	991,327
Other financial investment activities	1	132,299	154,169	321,065
Direct life insurance carriers	<1	27,216	51,207	74,962
Insurance carriers, except direct life	<1	78,228	221,694	428,229
Insurance agencies, brokerages, and related activities	<1	81,087	126,464	270,583
Funds, trusts, and other financial vehicles	<1	15,139	27,504	131,835
Other real estate	7	333,719	815,885	1,720,302
Tenant-occupied housing	<1	20,085	199,222	212,274
Owner-occupied dwellings	0	0	830,482	1,008,433
Automotive equipment rental and leasing	<1	16,967	66,383	79,856
General and consumer goods rental except video tapes and discs	<1	14,163	28,401	38,279
Video tape and disc rental	<1	3,525	6,433	9,399
Commercial and industrial machinery and equipment rental and leasing	<1	20,593	65,875	79,476
Lessors of nonfinancial intangible assets	<1	2,431	66,261	70,178
Legal services	2	324,420	538,643	683,275
Accounting, tax preparation, bookkeeping, and payroll services	1	126,912	138,258	209,196
Architectural, engineering, and related services	<1	104,287	108,353	186,740
Specialized design services	<1	12,263	15,721	29,696

## Appendix

Custom computer programming services	<1	70,281	69,266	93,783
Computer systems design services	1	122,649	111,214	142,165
Other computer related services, including facilities management	<1	28,070	34,147	61,962
Management consulting services	4	522,132	529,612	767,502
Environmental and other technical consulting services	<1	30,538	31,930	49,428
Scientific research and development services	37	4,726,220	6,989,547	11,482,445
Advertising, public relations, and related services	1	133,508	163,345	331,038
Photographic services	<1	3,519	5,922	14,766
Veterinary services	<1	10,278	10,770	16,694
Marketing research and all other miscellaneous professional, scientific, and technical services	1	126,417	157,907	329,934
Management of companies and enterprises	3	410,876	460,705	719,988
Office administrative services	<1	96,707	30,612	80,056
Facilities support services	<1	3,306	4,389	9,522
Employment services	6	338,566	457,480	772,956
Business support services	<1	56,994	47,688	73,992
Travel arrangement and reservation services	<1	15,105	23,565	66,617
Investigation and security services	<1	33,162	33,653	50,130
Services to buildings	1	49,073	67,142	135,130
Landscape and horticultural services	<1	31,919	38,454	71,246
Other support services	<1	20,978	26,375	52,032
Waste management and remediation services	<1	21,470	36,660	69,648
Elementary and secondary schools	<1	42,737	34,291	42,175
Junior colleges, colleges, universities, and professional schools	22	1,493,373	1,866,596	2,348,740
Other educational services	<1	27,272	30,436	56,974
Offices of physicians	2	225,749	226,395	324,180
Offices of dentists	<1	46,370	54,303	74,345
Offices of other health practitioners	<1	35,345	51,299	65,959
Outpatient care centers	<1	32,253	31,689	50,644
Medical and diagnostic laboratories	<1	15,211	23,395	32,780
Home health care services	<1	41,362	41,041	54,895

## Appendix

Other ambulatory health care services	<1	16,219	18,762	28,942
Hospitals	4	363,519	457,723	810,905
Nursing and community care facilities	1	52,082	62,019	97,728
Residential mental retardation, mental health, substance abuse and other facilities	<1	21,075	23,081	33,488
Individual and family services	2	69,407	60,123	88,318
Child day care services	<1	28,502	39,987	53,513
Community food, housing, and other relief services, including rehabilitation services	<1	20,267	18,991	41,820
Performing arts companies	<1	7,989	16,764	27,707
Commercial Sports Except Racing	<1	22,843	22,485	31,885
Racing and Track Operation	<1	1,735	3,251	5,195
Independent artists, writers, and performers	<1	6,007	22,473	29,227
Promoters of performing arts and sports and agents for public figures	<1	6,748	21,768	38,403
Museums, historical sites, zoos, and parks	<1	5,327	6,806	11,137
Amusement parks and arcades	<1	1,201	2,191	2,609
Gambling industries (except casino hotels)	<1	15,638	51,580	65,702
Other amusement and recreation industries	<1	13,620	12,522	17,503
Fitness and recreational sports centers	<1	9,356	12,226	18,243
Bowling centers	<1	1,741	2,693	4,075
Hotels and motels, including casino hotels	<1	26,293	65,686	85,710
Other accommodations	<1	8,061	10,138	12,588
Full-service restaurants	3	121,070	183,601	335,445
Limited-service restaurants	3	87,256	141,793	318,127
All other food and drinking places	2	85,915	126,308	192,664
Automotive repair and maintenance, except car washes	1	68,335	76,731	112,037
Car washes	<1	33,650	51,985	74,797
Electronic and precision equipment repair and maintenance	<1	23,377	31,174	48,421
Commercial and industrial machinery and equipment repair and maintenance	<1	34,110	40,462	59,568
Personal and household goods repair and maintenance	<1	8,284	17,096	23,477

## Appendix

Personal care services	<1	28,503	15,677	20,481
Death care services	<1	7,397	4,753	6,976
Dry-cleaning and laundry services	<1	14,848	8,657	11,844
Other personal services	<1	25,945	32,610	46,427
Religious organizations	2	114,699	52,333	162,049
Grantmaking, giving, and social advocacy organizations	<1	23,949	69,521	100,547
Business and professional associations	<1	27,228	43,338	65,782
Labor and civic organizations	<1	21,208	59,348	94,872
Private households	<1	11,315	11,315	11,364
Postal service	<1	41,070	41,323	41,634
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,949	-411	1,992
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	17,257	-399	5,462
Local government electric utilities	<1	109	284	649
Other local government enterprises	<1	24,069	3,999	50,104
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	352,154	580,701	695,173

## Indiana

## NASA

Table 667: Detailed NASA Impacts by Types of Impact, Indiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	777	60,709,023	112,803,403	195,004,775
Oilseed farming	1	236,533	623,136	1,007,795
Grain farming	2	129,770	288,438	824,394
Vegetable and melon farming	<1	7,917	12,961	26,613
Fruit farming	<1	873	1,334	2,075
Tree nut farming	<1	11	18	30
Greenhouse, nursery, and floriculture production	<1	3,367	5,753	14,187
Tobacco farming	<1	334	423	1,043
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,263	5,095	12,215
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	9,399	18,134	50,736
Dairy cattle and milk production	<1	8,363	15,460	79,881
Poultry and egg production	<1	7,180	16,934	189,799
Animal production, except cattle and poultry and eggs	3	130,067	344,409	431,881
Forestry, forest products, and timber tract production	<1	1,898	2,242	2,975
Commercial logging	<1	5,342	5,581	8,406
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	17	1,049	1,701
Support activities for agriculture and forestry	<1	46,112	44,397	48,762
Oil and gas extraction	<1	165	3,158	117,661
Coal mining	<1	11,450	35,174	54,882
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	211	434	770
Stone mining and quarrying	<1	10,450	38,823	63,070
Sand and gravel mining	<1	6,248	10,919	19,752

## Appendix

Other clay, ceramic, refractory minerals mining	<1	94	180	385
Potash, soda, and borate mineral mining	<1	180	263	509
Phosphate rock mining	<1	52	96	190
Other chemical and fertilizer mineral mining	<1	29	43	87
Other nonmetallic minerals	<1	472	841	1,669
Drilling oil and gas wells	<1	<1	3	10
Support activities for oil and gas operations	<1	4	11	71
Metal mining services	<1	18	56	1,556
Other nonmetallic minerals services	<1	40	67	601
Electric power generation - Hydroelectric	<1	88	239	543
Electric power generation - Fossil fuel	<1	67,045	273,582	668,007
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	545	1,322	2,589
Electric power generation - Wind	<1	2,059	19,887	36,349
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	228	728	1,866
Electric power generation - All other	<1	243	-24	106
Electric power transmission and distribution	1	175,555	693,387	1,621,669
Natural gas distribution	<1	34,959	140,644	309,748
Water, sewage and other systems	<1	10,463	24,386	46,287
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	137,938	220,833	524,701
Maintenance and repair construction of residential structures	<1	62,209	94,260	218,658
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	75	120	285
Dog and cat food manufacturing	<1	4,082	12,798	49,268
Other animal food manufacturing	<1	8,983	17,773	143,718
Flour milling	<1	3,127	7,726	51,576
Rice milling	<1	354	733	4,480
Malt manufacturing	<1	274	547	2,908
Wet corn milling	<1	32,264	87,852	471,543
Soybean and other oilseed processing	<1	2,977	23,616	152,264
Fats and oils refining and blending	<1	518	1,669	12,432
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4,791	7,452	30,054
Chocolate and confectionery manufacturing from cacao beans	<1	148	250	1,117
Confectionery manufacturing from purchased chocolate	<1	1,341	2,203	14,106
Frozen fruits, juices and vegetables manufacturing	<1	18	45	124
Frozen specialties manufacturing	<1	3,466	5,175	19,917
Canned fruits and vegetables manufacturing	<1	3,715	8,444	29,106
Canned specialties	<1	6,449	18,003	72,510
Dehydrated food products manufacturing	<1	245	519	1,890
Cheese manufacturing	<1	1,496	2,317	22,960
Dry, condensed, and evaporated dairy product manufacturing	<1	4,326	12,513	49,979
Fluid milk manufacturing	<1	9,564	17,576	96,090
Creamery butter manufacturing	<1	654	2,737	11,145
Ice cream and frozen dessert manufacturing	<1	1,410	2,237	9,263



## Appendix

Frozen cakes and other pastries manufacturing	<1	8,830	14,179	23,943
Poultry processing	<1	19,186	25,310	114,393
Animal, except poultry, slaughtering	<1	15,260	19,354	179,062
Meat processed from carcasses	<1	25,889	24,838	208,496
Rendering and meat byproduct processing	<1	1,005	981	5,095
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	21,918	34,814	81,393
Cookie and cracker manufacturing	<1	7,285	11,565	40,440
Dry pasta, mixes, and dough manufacturing	<1	1,364	3,837	12,472
Tortilla manufacturing	<1	1,443	2,068	7,063
Roasted nuts and peanut butter manufacturing	<1	1,414	3,516	14,264
Other snack food manufacturing	<1	9,842	33,261	101,604
Coffee and tea manufacturing	<1	269	579	3,136
Flavoring syrup and concentrate manufacturing	<1	828	8,376	15,356
Mayonnaise, dressing, and sauce manufacturing	<1	775	1,713	6,742
Spice and extract manufacturing	<1	162	302	1,192
All other food manufacturing	<1	9,043	14,177	58,810
Bottled and canned soft drinks & water	<1	17,232	35,067	138,472
Manufactured ice	<1	986	758	3,671
Breweries	<1	4,770	11,017	41,465
Wineries	<1	3,193	6,580	33,342
Distilleries	<1	7,813	31,549	78,243
Tobacco product manufacturing	<1	2,796	86,613	151,235
Fiber, yarn, and thread mills	<1	139	150	693
Broadwoven fabric mills	<1	157	176	1,007
Narrow fabric mills and schiffli machine embroidery	<1	45	46	179
Nonwoven fabric mills	<1	4,602	4,828	26,696
Knit fabric mills	<1	45	46	210
Textile and fabric finishing mills	<1	92	97	506
Fabric coating mills	<1	269	275	1,276
Carpet and rug mills	<1	460	523	2,347
Curtain and linen mills	<1	1,224	1,267	5,210
Textile bag and canvas mills	<1	4,040	4,129	14,373
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,452	1,516	5,910

## Appendix

Other textile product mills	<1	1,890	1,939	6,732
Hosiery and sock mills	<1	122	145	433
Other apparel knitting mills	<1	121	155	463
Cut and sew apparel contractors	<1	396	448	1,098
Men's and boys' cut and sew apparel manufacturing	<1	150	176	579
Women's and girls' cut and sew apparel manufacturing	<1	153	189	1,063
Other cut and sew apparel manufacturing	<1	85	108	398
Apparel accessories and other apparel manufacturing	<1	314	361	1,243
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	110	115	381
Other leather and allied product manufacturing	<1	506	532	1,756
Sawmills	<1	4,410	6,666	31,348
Wood preservation	<1	373	793	3,796
Veneer and plywood manufacturing	<1	3,879	5,482	21,372
Engineered wood member and truss manufacturing	<1	2,981	4,156	13,971
Reconstituted wood product manufacturing	<1	188	433	2,475
Wood windows and door manufacturing	<1	8,324	10,019	32,017
Cut stock, resawing lumber, and planing	<1	3,039	4,962	16,339
Other millwork, including flooring	<1	6,153	8,402	25,717
Wood container and pallet manufacturing	<1	7,506	9,097	27,543
Manufactured home (mobile home) manufacturing	<1	56	69	180
Prefabricated wood building manufacturing	<1	681	966	2,920
All other miscellaneous wood product manufacturing	<1	3,559	4,346	14,766
Pulp mills	<1	35	55	204
Paper mills	<1	9,176	21,592	68,744
Paperboard mills	<1	3,816	8,544	34,579
Paperboard container manufacturing	<1	19,429	31,116	140,539
Paper bag and coated and treated paper manufacturing	<1	11,401	18,680	65,853
Stationery product manufacturing	<1	1,372	1,798	7,198

## Appendix

Sanitary paper product manufacturing	<1	3,860	12,743	37,626
All other converted paper product manufacturing	<1	2,094	3,733	11,658
Printing	2	108,890	165,829	338,011
Support activities for printing	<1	2,738	4,113	6,950
Petroleum refineries	<1	28,011	300,472	1,316,896
Asphalt paving mixture and block manufacturing	<1	3,320	5,211	12,729
Asphalt shingle and coating materials manufacturing	<1	1,676	7,348	17,955
Petroleum lubricating oil and grease manufacturing	<1	5,611	17,178	48,401
All other petroleum and coal products manufacturing	<1	633	2,259	5,514
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	7,673	34,562	75,194
Synthetic dye and pigment manufacturing	<1	770	2,166	5,182
Other basic inorganic chemical manufacturing	<1	2,325	7,571	19,565
Other basic organic chemical manufacturing	<1	5,319	19,161	110,619
Plastics material and resin manufacturing	<1	7,311	17,785	87,446
Synthetic rubber manufacturing	<1	569	1,020	5,200
Artificial and synthetic fibers and filaments manufacturing	<1	29	53	247
Nitrogenous fertilizer manufacturing	<1	130	718	1,502
Phosphatic fertilizer manufacturing	<1	314	1,282	2,895
Fertilizer mixing	<1	444	1,287	3,508
Pesticide and other agricultural chemical manufacturing	<1	6,616	35,560	88,928
Medicinal and botanical manufacturing	<1	193	425	1,530
Pharmaceutical preparation manufacturing	<1	148,563	567,738	1,035,481
In-vitro diagnostic substance manufacturing	<1	11,981	22,533	39,948
Biological product (except diagnostic) manufacturing	<1	359	1,595	3,328
Paint and coating manufacturing	<1	1,656	4,808	16,654
Adhesive manufacturing	<1	1,952	4,270	16,387
Soap and other detergent manufacturing	<1	3,007	12,256	30,171
Polish and other sanitation good manufacturing	<1	5,710	12,811	29,073

## Appendix

Surface active agent manufacturing	<1	46	292	699
Toilet preparation manufacturing	<1	2,477	11,221	26,354
Printing ink manufacturing	<1	215	253	926
Explosives manufacturing	<1	119	149	467
Custom compounding of purchased resins	<1	5,636	14,109	36,913
Photographic film and chemical manufacturing	<1	105	332	1,057
Other miscellaneous chemical product manufacturing	<1	2,631	5,642	21,861
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	8,629	12,265	52,007
Unlaminated plastics profile shape manufacturing	<1	4,178	7,664	30,878
Plastics pipe and pipe fitting manufacturing	<1	1,669	3,798	18,585
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2,295	3,341	11,506
Polystyrene foam product manufacturing	<1	2,713	4,169	17,209
Urethane and other foam product (except polystyrene) manufacturing	<1	6,814	10,102	46,039
Plastics bottle manufacturing	<1	1,698	2,368	13,035
Other plastics product manufacturing	<1	64,640	86,762	322,614
Tire manufacturing	<1	19,812	24,107	92,496
Rubber and plastics hoses and belting manufacturing	<1	1,096	1,561	6,680
Other rubber product manufacturing	<1	12,974	15,421	57,861
Pottery, ceramics, and plumbing fixture manufacturing	<1	133	225	709
Brick, tile, and other structural clay product manufacturing	<1	2,136	3,825	8,374
Flat glass manufacturing	<1	205	434	1,367
Other pressed and blown glass and glassware manufacturing	<1	277	491	1,602
Glass container manufacturing	<1	2,326	3,938	9,928
Glass product manufacturing made of purchased glass	<1	7,274	13,957	35,721
Cement manufacturing	<1	2,100	5,187	13,277
Ready-mix concrete manufacturing	<1	9,831	16,901	53,950
Concrete block and brick manufacturing	<1	1,644	3,090	7,970
Concrete pipe manufacturing	<1	318	556	1,528

Appendix

Other concrete product manufacturing	<1	4,455	6,915	17,406
Lime manufacturing	<1	226	527	1,451
Gypsum product manufacturing	<1	2,500	7,800	20,190
Abrasive product manufacturing	<1	1,073	2,526	4,602
Cut stone and stone product manufacturing	1	78,591	106,743	236,898
Ground or treated mineral and earth manufacturing	<1	3,171	7,901	16,546
Mineral wool manufacturing	<1	2,081	6,099	13,834
Miscellaneous nonmetallic mineral products manufacturing	<1	425	1,058	2,533
Iron and steel mills and ferroalloy manufacturing	<1	44,772	143,072	531,490
Iron, steel pipe and tube manufacturing from purchased steel	<1	979	2,740	11,783
Rolled steel shape manufacturing	<1	3,401	15,289	45,686
Steel wire drawing	<1	4,170	9,849	34,756
Alumina refining and primary aluminum production	<1	6,868	13,633	60,461
Secondary smelting and alloying of aluminum	<1	966	2,399	19,142
Aluminum sheet, plate, and foil manufacturing	<1	2,216	5,890	20,337
Other aluminum rolling, drawing and extruding	<1	2,572	4,353	18,204
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	6,649	16,947	130,446
Nonferrous metal, except copper and aluminum, shaping	<1	1,866	2,477	8,079
Secondary processing of other nonferrous metals	<1	275	724	2,793
Ferrous metal foundries	<1	4,754	9,633	21,497
Nonferrous metal foundries	<1	7,162	10,862	23,607
Custom roll forming	<1	110	187	1,094
Crown and closure manufacturing and metal stamping	<1	4,683	6,877	20,410
Iron and steel forging	<1	1,812	2,853	9,261
Nonferrous forging	<1	154	221	645
Cutlery, utensil, pot, and pan manufacturing	<1	346	1,006	3,425
Handtool manufacturing	<1	1,317	2,580	5,873
Prefabricated metal buildings and components manufacturing	<1	1,930	3,417	8,749

## Appendix

Fabricated structural metal manufacturing	<1	9,520	16,923	49,696
Plate work manufacturing	<1	1,853	2,246	7,456
Metal window and door manufacturing	<1	5,499	8,872	24,094
Sheet metal work manufacturing	<1	5,698	8,979	25,203
Ornamental and architectural metal work manufacturing	<1	2,061	2,771	7,563
Power boiler and heat exchanger manufacturing	<1	53	84	232
Metal tank (heavy gauge) manufacturing	<1	986	1,339	3,415
Metal cans manufacturing	<1	729	1,723	7,277
Metal barrels, drums and pails manufacturing	<1	368	547	2,746
Hardware manufacturing	<1	7,644	13,193	34,876
Spring and wire product manufacturing	<1	2,975	4,438	14,313
Machine shops	<1	22,245	28,643	60,500
Turned product and screw, nut, and bolt manufacturing	<1	4,816	6,908	18,293
Metal heat treating	<1	1,733	2,578	6,044
Metal coating and nonprecious engraving	<1	4,460	9,801	23,845
Electroplating, anodizing, and coloring metal	<1	2,822	3,204	7,591
Valve and fittings, other than plumbing, manufacturing	<1	4,823	8,708	23,829
Plumbing fixture fitting and trim manufacturing	<1	1,180	3,668	12,199
Ball and roller bearing manufacturing	<1	2,776	5,470	14,311
Small arms ammunition manufacturing	<1	727	2,143	4,203
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	754	2,051	6,121
Fabricated pipe and pipe fitting manufacturing	<1	1,526	2,151	6,398
Other fabricated metal manufacturing	<1	18,014	27,331	75,419
Farm machinery and equipment manufacturing	<1	1,264	2,363	9,631
Lawn and garden equipment manufacturing	<1	234	411	1,927
Construction machinery manufacturing	<1	445	1,036	3,292
Mining machinery and equipment manufacturing	<1	29	41	118

Appendix

Oil and gas field machinery and equipment manufacturing	<1	78	98	319
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	30	35	92
Sawmill, woodworking, and paper machinery	<1	311	352	1,164
Printing machinery and equipment manufacturing	<1	19	21	75
All other industrial machinery manufacturing	<1	81	103	313
Optical instrument and lens manufacturing	<1	13,219	19,796	59,230
Photographic and photocopying equipment manufacturing	<1	24	29	109
Other commercial service industry machinery manufacturing	<1	271	435	1,619
Air purification and ventilation equipment manufacturing	<1	857	1,106	3,126
Heating equipment (except warm air furnaces) manufacturing	<1	1,621	2,525	7,347
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,493	7,551	21,394
Industrial mold manufacturing	<1	790	949	2,266
Special tool, die, jig, and fixture manufacturing	<1	721	946	1,954
Cutting tool and machine tool accessory manufacturing	<1	556	642	1,533
Machine tool manufacturing	<1	75	95	300
Rolling mill and other metalworking machinery manufacturing	<1	195	259	636
Turbine and turbine generator set units manufacturing	<1	6	7	28
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2,114	2,981	8,582
Mechanical power transmission equipment manufacturing	<1	974	1,379	3,494
Other engine equipment manufacturing	<1	57,268	121,343	373,672
Pump and pumping equipment manufacturing	<1	144	240	815
Air and gas compressor manufacturing	<1	111	148	520
Elevator and moving stairway manufacturing	<1	67	86	299

Appendix

Conveyor and conveying equipment manufacturing	<1	214	241	745
Overhead cranes, hoists, and monorail systems manufacturing	<1	116	205	775
Industrial truck, trailer, and stacker manufacturing	<1	934	1,525	5,595
Power-driven handtool manufacturing	<1	81	221	492
Welding and soldering equipment manufacturing	<1	69	103	325
Packaging machinery manufacturing	<1	25	36	113
Industrial process furnace and oven manufacturing	<1	41	50	139
Fluid power cylinder and actuator manufacturing	<1	1,523	2,134	5,977
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	221	270	885
Electronic computer manufacturing	<1	2	3	38
Computer storage device manufacturing	<1	13	18	79
Computer terminals and other computer peripheral equipment manufacturing	<1	12	15	79
Telephone apparatus manufacturing	<1	16	24	130
Broadcast and wireless communications equipment manufacturing	0	-2,256	-2,832	-6,607
Other communications equipment manufacturing	0	-2,032	-3,220	-6,195
Audio and video equipment manufacturing	<1	61	90	513
Printed circuit assembly (electronic assembly) manufacturing	<1	1,764	2,431	12,149
Bare printed circuit board manufacturing	<1	65	75	192
Semiconductor and related device manufacturing	<1	77	108	376
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	397	464	1,662
Electronic connector manufacturing	<1	24,345	29,321	86,382
Other electronic component manufacturing	0	-1,022	-1,308	-4,643



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	34	46	145
Search, detection, and navigation instruments manufacturing	<1	46	62	195
Automatic environmental control manufacturing	<1	2,748	3,359	10,000
Industrial process variable instruments manufacturing	<1	4,704	6,437	19,127
Totalizing fluid meter and counting device manufacturing	<1	26	44	171
Electricity and signal testing instruments manufacturing	<1	219	250	729
Analytical laboratory instrument manufacturing	<1	71,224	102,005	267,399
Irradiation apparatus manufacturing	<1	5	7	36
Watch, clock, and other measuring and controlling device manufacturing	<1	279	354	1,478
Blank magnetic and optical recording media manufacturing	<1	1,139	3,043	19,500
Software and other prerecorded and record reproducing	<1	678	887	2,974
Electric lamp bulb and part manufacturing	<1	471	835	1,892
Lighting fixture manufacturing	<1	6,488	9,001	30,045
Small electrical appliance manufacturing	<1	510	1,280	3,663
Household cooking appliance manufacturing	<1	256	740	2,106
Household refrigerator and home freezer manufacturing	<1	318	847	2,279
Household laundry equipment manufacturing	<1	964	1,820	6,273
Other major household appliance manufacturing	<1	144	452	1,082
Power, distribution, and specialty transformer manufacturing	<1	5	7	19
Motor and generator manufacturing	<1	1,153	2,346	7,318
Switchgear and switchboard apparatus manufacturing	<1	88	177	530
Relay and industrial control manufacturing	<1	569	823	2,638
Storage battery manufacturing	<1	2,233	3,978	12,108
Primary battery manufacturing	<1	432	2,845	3,146
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	596	1,189	4,586
Wiring device manufacturing	<1	840	1,925	5,166
Carbon and graphite product manufacturing	<1	65	106	423
All other miscellaneous electrical equipment and component manufacturing	<1	14,487	17,506	66,360
Automobile manufacturing	<1	14,298	58,458	238,332
Light truck and utility vehicle manufacturing	<1	2,827	11,288	65,874
Heavy duty truck manufacturing	<1	236	533	2,882
Motor vehicle body manufacturing	<1	1,072	1,488	5,335
Truck trailer manufacturing	<1	102	139	539
Motor home manufacturing	<1	17,646	32,431	102,868
Travel trailer and camper manufacturing	<1	44,307	54,384	184,050
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,848	9,957	50,944
Motor vehicle electrical and electronic equipment manufacturing	<1	17,250	23,357	85,894
Motor vehicle transmission and power train parts manufacturing	2	171,028	264,632	1,038,495
Motor vehicle seating and interior trim manufacturing	<1	5,944	7,193	37,907
Motor vehicle metal stamping	<1	12,011	15,696	54,473
Other motor vehicle parts manufacturing	<1	26,691	38,848	182,324
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	16,914	26,701	105,217
Aircraft manufacturing	<1	2	6	18
Aircraft engine and engine parts manufacturing	<1	4,001	13,878	24,238
Other aircraft parts and auxiliary equipment manufacturing	<1	80,058	132,981	246,179
Guided missile and space vehicle manufacturing	<1	2	5	12
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1
Railroad rolling stock manufacturing	<1	70	81	377
Ship building and repairing	<1	164	289	492
Boat building	<1	12,077	22,401	53,631
Motorcycle, bicycle, and parts manufacturing	<1	612	3,619	6,272

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,820	5,454	18,558
Wood kitchen cabinet and countertop manufacturing	<1	15,424	21,170	48,613
Upholstered household furniture manufacturing	<1	4,420	5,019	17,536
Nonupholstered wood household furniture manufacturing	<1	2,617	3,138	8,197
Other household nonupholstered furniture manufacturing	<1	3,040	5,462	19,775
Institutional furniture manufacturing	<1	102	111	374
Wood office furniture manufacturing	<1	114	156	465
Custom architectural woodwork and millwork	<1	90	88	262
Office furniture, except wood, manufacturing	<1	128	243	805
Showcase, partition, shelving, and locker manufacturing	<1	529	779	2,290
Mattress manufacturing	<1	1,787	3,513	14,431
Blind and shade manufacturing	<1	523	526	2,061
Surgical and medical instrument manufacturing	<1	6,501	11,769	24,673
Surgical appliance and supplies manufacturing	<1	21,094	49,301	93,640
Dental equipment and supplies manufacturing	<1	110	218	501
Ophthalmic goods manufacturing	<1	604	1,434	2,938
Dental laboratories	<1	1,459	1,751	3,398
Jewelry and silverware manufacturing	<1	1,544	2,739	7,672
Sporting and athletic goods manufacturing	<1	2,063	3,428	10,759
Doll, toy, and game manufacturing	<1	1,292	3,067	10,324
Office supplies (except paper) manufacturing	<1	1,647	2,910	7,026
Sign manufacturing	<1	5,401	5,280	13,402
Gasket, packing, and sealing device manufacturing	<1	4,583	5,448	12,449
Musical instrument manufacturing	<1	687	800	1,997
Fasteners, buttons, needles, and pins manufacturing	<1	717	887	1,987

## Appendix

Broom, brush, and mop manufacturing	<1	517	873	2,170
Burial casket manufacturing	<1	1,368	2,272	4,545
All other miscellaneous manufacturing	<1	694	1,095	2,966
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	38,041	77,639	186,120
Wholesale - Professional and commercial equipment and supplies	2	187,807	284,977	524,527
Wholesale - Household appliances and electrical and electronic goods	<1	58,587	133,242	321,006
Wholesale - Machinery, equipment, and supplies	1	104,091	183,218	350,555
Wholesale - Other durable goods merchant wholesalers	1	114,826	197,085	425,312
Wholesale - Drugs and druggists'sundries	<1	102,693	285,394	555,609
Wholesale - Grocery and related product wholesalers	1	100,367	148,023	319,492
Wholesale - Petroleum and petroleum products	<1	32,200	285,398	376,405
Wholesale - Other nondurable goods merchant wholesalers	2	209,078	412,835	858,907
Wholesale - Wholesale electronic markets and agents and brokers	<1	91,740	103,244	124,449
Retail - Motor vehicle and parts dealers	3	179,509	256,250	370,683
Retail - Furniture and home furnishings stores	2	80,704	112,319	192,693
Retail - Electronics and appliance stores	1	76,426	72,047	124,310
Retail - Building material and garden equipment and supplies stores	2	100,071	198,463	288,445
Retail - Food and beverage stores	6	185,149	272,411	473,027
Retail - Health and personal care stores	3	171,612	220,219	334,496
Retail - Gasoline stores	3	79,182	193,706	395,609
Retail - Clothing and clothing accessories stores	3	78,979	136,769	308,102
Retail - Sporting goods, hobby, musical instrument and book stores	2	81,679	107,764	177,054
Retail - General merchandise stores	7	255,426	405,081	701,181
Retail - Miscellaneous store retailers	6	157,947	168,499	304,700
Retail - Nonstore retailers	6	155,785	867,554	1,410,896
Air transportation	<1	67,125	122,664	286,991

## Appendix

Rail transportation	<1	30,416	115,015	195,500
Water transportation	<1	26,483	50,428	196,294
Truck transportation	4	358,219	549,571	1,082,250
Transit and ground passenger transportation	3	53,539	76,530	125,841
Pipeline transportation	<1	41,693	45,968	76,649
Scenic and sightseeing transportation and support activities for transportation	4	286,790	230,553	373,141
Couriers and messengers	5	150,452	262,038	321,031
Warehousing and storage	5	274,743	295,579	541,089
Newspaper publishers	<1	25,946	39,181	66,023
Periodical publishers	<1	6,245	8,239	17,702
Book publishers	<1	32,655	73,500	191,648
Directory, mailing list, and other publishers	<1	19,626	40,723	75,972
Greeting card publishing	<1	777	2,167	3,802
Software publishers	1	161,961	275,697	408,940
Motion picture and video industries	<1	21,351	27,860	124,729
Sound recording industries	<1	4,603	18,558	48,674
Radio and television broadcasting	<1	127,077	154,861	513,128
Cable and other subscription programming	<1	19,249	64,243	233,631
Wired telecommunications carriers	<1	54,568	95,649	231,410
Wireless telecommunications carriers (except satellite)	<1	33,086	172,822	598,082
Satellite, telecommunications resellers, and all other telecommunications	<1	16,188	18,841	56,690
Data processing, hosting, and related services	1	127,429	234,833	803,974
News syndicates, libraries, archives and all other information services	<1	23,303	33,707	84,472
Internet publishing and broadcasting and web search portals	<1	32,805	78,402	481,490
Nondepository credit intermediation and related activities	2	193,342	206,909	344,107
Securities and commodity contracts intermediation and brokerage	4	269,641	217,093	497,738
Monetary authorities and depository credit intermediation	7	601,083	1,614,086	2,800,328

## Appendix

Other financial investment activities	3	150,759	172,019	507,465
Direct life insurance carriers	1	126,846	328,074	436,573
Insurance carriers, except direct life	2	219,316	999,049	1,764,493
Insurance agencies, brokerages, and related activities	3	245,299	501,051	1,093,596
Funds, trusts, and other financial vehicles	1	46,545	116,254	363,779
Other real estate	33	3,686,350	5,044,228	9,171,714
Tenant-occupied housing	2	253,874	657,403	713,685
Owner-occupied dwellings	0	0	3,701,900	4,467,581
Automotive equipment rental and leasing	<1	45,140	259,517	307,553
General and consumer goods rental except video tapes and discs	<1	44,284	94,549	134,529
Video tape and disc rental	<1	13,425	22,403	36,536
Commercial and industrial machinery and equipment rental and leasing	<1	39,389	163,905	199,280
Lessors of nonfinancial intangible assets	<1	4,531	234,132	247,200
Legal services	11	941,780	1,736,843	2,448,986
Accounting, tax preparation, bookkeeping, and payroll services	5	387,553	532,186	827,986
Architectural, engineering, and related services	5	451,209	536,963	968,185
Specialized design services	<1	19,745	45,381	75,342
Custom computer programming services	2	171,568	172,335	246,365
Computer systems design services	2	205,840	182,619	242,931
Other computer related services, including facilities management	<1	81,741	94,422	201,439
Management consulting services	19	1,624,737	1,822,352	3,016,760
Environmental and other technical consulting services	2	174,343	211,619	343,924
Scientific research and development services	279	25,995,218	55,701,882	89,321,983
Advertising, public relations, and related services	3	192,683	352,412	773,205
Photographic services	<1	7,694	31,710	58,345
Veterinary services	<1	38,869	48,353	74,612
Marketing research and all other miscellaneous professional, scientific, and technical services	4	301,592	557,031	1,167,089
Management of companies and enterprises	13	1,652,280	1,880,595	3,057,479

## Appendix

Office administrative services	3	239,283	56,339	219,374
Facilities support services	1	73,285	91,704	215,977
Employment services	37	1,796,407	2,300,640	4,098,381
Business support services	3	179,502	148,358	266,696
Travel arrangement and reservation services	<1	53,820	77,229	270,735
Investigation and security services	3	126,532	128,112	188,091
Services to buildings	5	183,220	238,464	525,679
Landscape and horticultural services	3	149,410	174,394	334,510
Other support services	2	81,449	99,459	220,099
Waste management and remediation services	1	109,906	229,060	435,830
Elementary and secondary schools	3	145,245	117,037	145,957
Junior colleges, colleges, universities, and professional schools	16	801,322	993,523	1,359,055
Other educational services	2	89,244	98,488	204,143
Offices of physicians	10	1,374,556	1,375,797	1,871,528
Offices of dentists	3	226,782	262,100	350,638
Offices of other health practitioners	3	195,604	276,781	359,529
Outpatient care centers	3	230,442	225,719	361,031
Medical and diagnostic laboratories	<1	87,603	130,966	179,130
Home health care services	4	224,342	221,874	288,067
Other ambulatory health care services	1	74,461	85,023	130,867
Hospitals	21	1,995,403	2,316,199	4,272,822
Nursing and community care facilities	5	275,095	303,504	488,543
Residential mental retardation, mental health, substance abuse and other facilities	2	116,471	119,176	176,252
Individual and family services	8	274,876	243,738	337,988
Child day care services	3	93,069	141,165	187,687
Community food, housing, and other relief services, including rehabilitation services	2	88,184	82,492	187,051
Performing arts companies	<1	14,470	39,248	65,462
Commercial Sports Except Racing	2	87,497	96,299	142,567
Racing and Track Operation	<1	4,620	13,057	20,070
Independent artists, writers, and performers	<1	12,404	69,467	85,390

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	16,627	79,280	134,008
Museums, historical sites, zoos, and parks	<1	14,207	20,528	35,358
Amusement parks and arcades	<1	2,565	7,861	9,385
Gambling industries (except casino hotels)	1	49,291	159,955	213,631
Other amusement and recreation industries	1	34,925	36,014	56,591
Fitness and recreational sports centers	<1	19,966	33,367	52,153
Bowling centers	<1	4,747	8,440	14,121
Hotels and motels, including casino hotels	<1	34,632	78,936	115,138
Other accommodations	<1	10,414	13,360	17,612
Full-service restaurants	17	459,015	730,812	1,494,486
Limited-service restaurants	15	334,200	560,117	1,392,305
All other food and drinking places	11	328,555	498,871	837,805
Automotive repair and maintenance, except car washes	6	341,736	399,264	581,912
Car washes	3	179,316	264,643	398,067
Electronic and precision equipment repair and maintenance	2	103,612	136,258	228,377
Commercial and industrial machinery and equipment repair and maintenance	2	168,517	187,607	287,762
Personal and household goods repair and maintenance	<1	36,334	76,467	106,357
Personal care services	3	82,754	64,965	76,889
Death care services	<1	29,373	24,777	32,995
Dry-cleaning and laundry services	2	65,470	52,005	63,956
Other personal services	2	80,148	101,927	145,284
Religious organizations	7	341,115	226,315	620,537
Grantmaking, giving, and social advocacy organizations	<1	64,538	229,718	315,816
Business and professional associations	<1	55,430	98,039	159,732
Labor and civic organizations	2	57,354	195,713	345,257
Private households	2	31,367	31,367	31,367
Postal service	2	165,573	166,439	166,500
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,580	-27,272	1,558
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	41,371	26,601	47,224
Local government electric utilities	<1	2,558	10,222	19,531
Other local government enterprises	<1	72,343	154,179	368,375
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	16	2,229,509	3,958,733	7,047,403

## Moon to Mars Campaign

**Table 668: Detailed M2M Campaign Impacts by Types of Impact, Indiana**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>74</i>	<i>5,726,641</i>	<i>10,405,390</i>	<i>17,705,631</i>
Oilseed farming	<1	26,713	81,346	137,798
Grain farming	<1	10,368	31,747	66,989
Vegetable and melon farming	<1	748	1,299	2,566
Fruit farming	<1	93	145	220
Tree nut farming	<1	1	2	4
Greenhouse, nursery, and floriculture production	<1	284	513	1,215
Tobacco farming	<1	45	59	155

Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	245	405	942
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	710	1,582	3,891
Dairy cattle and milk production	<1	911	1,851	8,622
Poultry and egg production	<1	596	1,490	15,518
Animal production, except cattle and poultry and eggs	<1	8,891	27,458	33,118
Forestry, forest products, and timber tract production	<1	174	207	270
Commercial logging	<1	427	471	682
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	2	89	142
Support activities for agriculture and forestry	<1	3,474	3,386	3,717
Oil and gas extraction	<1	10	231	9,133
Coal mining	<1	600	1,921	2,996
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	14	29	50
Stone mining and quarrying	<1	1,453	5,281	8,593
Sand and gravel mining	<1	670	1,172	2,065
Other clay, ceramic, refractory minerals mining	<1	9	17	35
Potash, soda, and borate mineral mining	<1	17	25	48
Phosphate rock mining	<1	5	10	20
Other chemical and fertilizer mineral mining	<1	3	5	10
Other nonmetallic minerals	<1	37	66	132
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	4
Metal mining services	<1	1	4	112
Other nonmetallic minerals services	<1	3	6	55
Electric power generation - Hydroelectric	<1	10	26	57

## Appendix

Electric power generation - Fossil fuel	<1	7,137	26,697	65,207
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	54	131	257
Electric power generation - Wind	<1	152	1,467	2,668
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	23	74	195
Electric power generation - All other	<1	26	-2	9
Electric power transmission and distribution	<1	15,730	59,417	138,648
Natural gas distribution	<1	4,073	15,901	34,320
Water, sewage and other systems	<1	1,434	3,159	5,831
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	11,841	19,427	44,937
Maintenance and repair construction of residential structures	<1	5,626	8,695	19,761
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	11	26
Dog and cat food manufacturing	<1	336	1,063	4,047
Other animal food manufacturing	<1	753	1,540	12,169
Flour milling	<1	265	658	4,500

## Appendix

Rice milling	<1	37	77	477
Malt manufacturing	<1	28	57	304
Wet corn milling	<1	2,347	6,870	33,687
Soybean and other oilseed processing	<1	299	2,399	15,269
Fats and oils refining and blending	<1	65	212	1,544
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	502	777	3,086
Chocolate and confectionery manufacturing from cacao beans	<1	21	36	155
Confectionery manufacturing from purchased chocolate	<1	143	239	1,489
Frozen fruits, juices and vegetables manufacturing	<1	2	5	13
Frozen specialties manufacturing	<1	338	501	1,945
Canned fruits and vegetables manufacturing	<1	436	1,007	3,444
Canned specialties	<1	709	1,998	7,970
Dehydrated food products manufacturing	<1	31	65	236
Cheese manufacturing	<1	174	268	2,755
Dry, condensed, and evaporated dairy product manufacturing	<1	493	1,430	5,726
Fluid milk manufacturing	<1	1,142	2,147	11,583
Creamery butter manufacturing	<1	80	332	1,354
Ice cream and frozen dessert manufacturing	<1	162	260	1,055
Frozen cakes and other pastries manufacturing	<1	1,008	1,623	2,719
Poultry processing	<1	1,472	1,982	8,988
Animal, except poultry, slaughtering	<1	1,478	1,896	17,665
Meat processed from carcasses	<1	2,405	2,321	19,429
Rendering and meat byproduct processing	<1	99	97	505
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	2,446	3,911	9,117
Cookie and cracker manufacturing	<1	804	1,320	4,364
Dry pasta, mixes, and dough manufacturing	<1	131	367	1,241
Tortilla manufacturing	<1	132	188	649

## Appendix

Roasted nuts and peanut butter manufacturing	<1	144	371	1,451
Other snack food manufacturing	<1	931	3,143	9,515
Coffee and tea manufacturing	<1	32	71	385
Flavoring syrup and concentrate manufacturing	<1	82	855	1,533
Mayonnaise, dressing, and sauce manufacturing	<1	92	201	791
Spice and extract manufacturing	<1	22	42	163
All other food manufacturing	<1	915	1,437	6,030
Bottled and canned soft drinks & water	<1	1,447	2,977	11,781
Manufactured ice	<1	89	70	321
Breweries	<1	604	1,444	5,384
Wineries	<1	366	757	3,702
Distilleries	<1	777	3,348	8,028
Tobacco product manufacturing	<1	257	9,459	15,379
Fiber, yarn, and thread mills	<1	13	13	61
Broadwoven fabric mills	<1	13	15	82
Narrow fabric mills and schiffli machine embroidery	<1	3	4	15
Nonwoven fabric mills	<1	552	623	3,172
Knit fabric mills	<1	4	6	29
Textile and fabric finishing mills	<1	11	11	57
Fabric coating mills	<1	31	31	139
Carpet and rug mills	<1	40	47	197
Curtain and linen mills	<1	132	140	551
Textile bag and canvas mills	<1	470	497	1,660
Rope, cordage, twine, tire cord and tire fabric mills	<1	112	126	461
Other textile product mills	<1	198	208	698
Hosiery and sock mills	<1	12	15	41
Other apparel knitting mills	<1	11	15	41
Cut and sew apparel contractors	<1	40	45	108
Men's and boys' cut and sew apparel manufacturing	<1	18	22	69
Women's and girls' cut and sew apparel manufacturing	<1	18	23	119
Other cut and sew apparel manufacturing	<1	14	18	65
Apparel accessories and other apparel manufacturing	<1	35	41	132
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	11	12	38
Other leather and allied product manufacturing	<1	52	55	176

## Appendix

Sawmills	<1	342	513	2,418
Wood preservation	<1	28	59	292
Veneer and plywood manufacturing	<1	290	405	1,613
Engineered wood member and truss manufacturing	<1	271	375	1,263
Reconstituted wood product manufacturing	<1	14	32	185
Wood windows and door manufacturing	<1	619	738	2,350
Cut stock, resawing lumber, and planing	<1	230	369	1,247
Other millwork, including flooring	<1	504	677	2,065
Wood container and pallet manufacturing	<1	676	814	2,468
Manufactured home (mobile home) manufacturing	<1	5	6	17
Prefabricated wood building manufacturing	<1	52	74	222
All other miscellaneous wood product manufacturing	<1	337	398	1,300
Pulp mills	<1	2	4	14
Paper mills	<1	691	1,475	5,104
Paperboard mills	<1	295	630	2,664
Paperboard container manufacturing	<1	1,696	2,765	12,735
Paper bag and coated and treated paper manufacturing	<1	1,065	1,702	6,055
Stationery product manufacturing	<1	166	214	831
Sanitary paper product manufacturing	<1	339	1,084	3,320
All other converted paper product manufacturing	<1	194	340	1,090
Printing	<1	9,740	15,149	30,023
Support activities for printing	<1	259	393	653
Petroleum refineries	<1	2,501	29,054	120,320
Asphalt paving mixture and block manufacturing	<1	282	454	1,069
Asphalt shingle and coating materials manufacturing	<1	157	753	1,710
Petroleum lubricating oil and grease manufacturing	<1	539	1,685	4,590
All other petroleum and coal products manufacturing	<1	39	138	324
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	553	2,682	5,575

## Appendix

Synthetic dye and pigment manufacturing	<1	93	277	667
Other basic inorganic chemical manufacturing	<1	232	815	2,006
Other basic organic chemical manufacturing	<1	453	1,720	9,696
Plastics material and resin manufacturing	<1	597	1,535	7,365
Synthetic rubber manufacturing	<1	56	102	524
Artificial and synthetic fibers and filaments manufacturing	<1	1	5	22
Nitrogenous fertilizer manufacturing	<1	14	82	152
Phosphatic fertilizer manufacturing	<1	29	127	280
Fertilizer mixing	<1	39	123	316
Pesticide and other agricultural chemical manufacturing	<1	573	3,320	8,118
Medicinal and botanical manufacturing	<1	24	55	185
Pharmaceutical preparation manufacturing	<1	16,055	65,731	114,757
In-vitro diagnostic substance manufacturing	<1	1,720	3,209	5,716
Biological product (except diagnostic) manufacturing	<1	48	210	418
Paint and coating manufacturing	<1	179	556	1,883
Adhesive manufacturing	<1	255	583	2,154
Soap and other detergent manufacturing	<1	310	1,374	3,064
Polish and other sanitation good manufacturing	<1	550	1,314	2,839
Surface active agent manufacturing	<1	4	27	60
Toilet preparation manufacturing	<1	257	1,241	2,812
Printing ink manufacturing	<1	23	27	100
Explosives manufacturing	<1	13	17	54
Custom compounding of purchased resins	<1	541	1,475	3,647
Photographic film and chemical manufacturing	<1	9	29	83
Other miscellaneous chemical product manufacturing	<1	231	520	1,977
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,018	1,459	6,083
Unlaminated plastics profile shape manufacturing	<1	415	779	3,002
Plastics pipe and pipe fitting manufacturing	<1	85	192	942

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	221	325	1,125
Polystyrene foam product manufacturing	<1	236	369	1,501
Urethane and other foam product (except polystyrene) manufacturing	<1	620	935	4,179
Plastics bottle manufacturing	<1	179	251	1,354
Other plastics product manufacturing	<1	5,725	7,864	28,385
Tire manufacturing	<1	1,595	2,007	7,524
Rubber and plastics hoses and belting manufacturing	<1	78	112	499
Other rubber product manufacturing	<1	1,015	1,211	4,674
Pottery, ceramics, and plumbing fixture manufacturing	<1	14	24	75
Brick, tile, and other structural clay product manufacturing	<1	190	329	731
Flat glass manufacturing	<1	33	68	213
Other pressed and blown glass and glassware manufacturing	<1	25	44	140
Glass container manufacturing	<1	224	381	961
Glass product manufacturing made of purchased glass	<1	607	1,133	2,938
Cement manufacturing	<1	188	445	1,171
Ready-mix concrete manufacturing	<1	785	1,310	4,231
Concrete block and brick manufacturing	<1	139	254	670
Concrete pipe manufacturing	<1	25	43	120
Other concrete product manufacturing	<1	338	513	1,320
Lime manufacturing	<1	18	38	111
Gypsum product manufacturing	<1	198	597	1,572
Abrasive product manufacturing	<1	150	339	628
Cut stone and stone product manufacturing	<1	20,741	27,889	61,880
Ground or treated mineral and earth manufacturing	<1	387	912	1,989
Mineral wool manufacturing	<1	181	496	1,129
Miscellaneous nonmetallic mineral products manufacturing	<1	45	105	250
Iron and steel mills and ferroalloy manufacturing	<1	4,221	13,794	50,935
Iron, steel pipe and tube manufacturing from purchased steel	<1	112	314	1,344



## Appendix

Rolled steel shape manufacturing	<1	350	1,645	4,927
Steel wire drawing	<1	273	684	2,291
Alumina refining and primary aluminum production	<1	740	1,471	6,600
Secondary smelting and alloying of aluminum	<1	89	222	1,750
Aluminum sheet, plate, and foil manufacturing	<1	618	1,701	5,910
Other aluminum rolling, drawing and extruding	<1	664	1,127	4,720
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	751	1,960	14,624
Nonferrous metal, except copper and aluminum, shaping	<1	147	194	634
Secondary processing of other nonferrous metals	<1	22	56	221
Ferrous metal foundries	<1	525	1,109	2,488
Nonferrous metal foundries	<1	814	1,242	2,693
Custom roll forming	<1	12	19	115
Crown and closure manufacturing and metal stamping	<1	502	736	2,165
Iron and steel forging	<1	147	232	752
Nonferrous forging	<1	13	19	54
Cutlery, utensil, pot, and pan manufacturing	<1	46	129	436
Handtool manufacturing	<1	188	370	834
Prefabricated metal buildings and components manufacturing	<1	181	307	808
Fabricated structural metal manufacturing	<1	709	1,252	3,693
Plate work manufacturing	<1	149	181	593
Metal window and door manufacturing	<1	593	956	2,563
Sheet metal work manufacturing	<1	609	948	2,627
Ornamental and architectural metal work manufacturing	<1	180	240	650
Power boiler and heat exchanger manufacturing	<1	4	7	20
Metal tank (heavy gauge) manufacturing	<1	127	172	426
Metal cans manufacturing	<1	73	170	712
Metal barrels, drums and pails manufacturing	<1	36	53	265
Hardware manufacturing	<1	640	1,087	2,846
Spring and wire product manufacturing	<1	225	334	1,077

## Appendix

Machine shops	<1	2,054	2,636	5,539
Turned product and screw, nut, and bolt manufacturing	<1	596	852	2,251
Metal heat treating	<1	195	291	684
Metal coating and nonprecious engraving	<1	453	990	2,411
Electroplating, anodizing, and coloring metal	<1	316	359	850
Valve and fittings, other than plumbing, manufacturing	<1	169	298	823
Plumbing fixture fitting and trim manufacturing	<1	110	331	1,145
Ball and roller bearing manufacturing	<1	279	547	1,425
Small arms ammunition manufacturing	<1	67	199	380
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	70	186	540
Fabricated pipe and pipe fitting manufacturing	<1	110	154	465
Other fabricated metal manufacturing	<1	10,898	16,339	45,451
Farm machinery and equipment manufacturing	<1	87	172	664
Lawn and garden equipment manufacturing	<1	17	31	139
Construction machinery manufacturing	<1	33	82	242
Mining machinery and equipment manufacturing	<1	2	3	8
Oil and gas field machinery and equipment manufacturing	<1	5	6	20
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	4	4	11
Sawmill, woodworking, and paper machinery	<1	25	28	90
Printing machinery and equipment manufacturing	<1	2	2	7
All other industrial machinery manufacturing	<1	8	10	31
Optical instrument and lens manufacturing	<1	13,250	19,884	59,388
Photographic and photocopying equipment manufacturing	<1	2	3	10
Other commercial service industry machinery manufacturing	<1	49	81	293

## Appendix

Air purification and ventilation equipment manufacturing	<1	74	97	270
Heating equipment (except warm air furnaces) manufacturing	<1	263	419	1,146
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	501	849	2,352
Industrial mold manufacturing	<1	110	133	314
Special tool, die, jig, and fixture manufacturing	<1	77	101	207
Cutting tool and machine tool accessory manufacturing	<1	72	83	198
Machine tool manufacturing	<1	14	18	56
Rolling mill and other metalworking machinery manufacturing	<1	17	24	57
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	344	475	1,325
Mechanical power transmission equipment manufacturing	<1	82	117	296
Other engine equipment manufacturing	<1	5,976	12,922	38,236
Pump and pumping equipment manufacturing	<1	19	33	108
Air and gas compressor manufacturing	<1	11	15	51
Elevator and moving stairway manufacturing	<1	11	14	48
Conveyor and conveying equipment manufacturing	<1	17	19	61
Overhead cranes, hoists, and monorail systems manufacturing	<1	10	19	70
Industrial truck, trailer, and stacker manufacturing	<1	84	139	501
Power-driven handtool manufacturing	<1	12	31	70
Welding and soldering equipment manufacturing	<1	21	31	84
Packaging machinery manufacturing	<1	3	4	12
Industrial process furnace and oven manufacturing	<1	11	14	38
Fluid power cylinder and actuator manufacturing	<1	128	182	505
Fluid power pump and motor manufacturing	0	0	0	0

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	23	28	92
Electronic computer manufacturing	<1	<1	<1	4
Computer storage device manufacturing	<1	1	2	8
Computer terminals and other computer peripheral equipment manufacturing	<1	1	1	8
Telephone apparatus manufacturing	<1	1	2	10
Broadcast and wireless communications equipment manufacturing	<1	9	11	35
Other communications equipment manufacturing	<1	18	25	71
Audio and video equipment manufacturing	<1	8	11	62
Printed circuit assembly (electronic assembly) manufacturing	<1	182	251	1,255
Bare printed circuit board manufacturing	<1	6	7	20
Semiconductor and related device manufacturing	<1	7	9	33
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	44	52	181
Electronic connector manufacturing	<1	1,962	2,379	6,999
Other electronic component manufacturing	<1	63	74	276
Electromedical and electrotherapeutic apparatus manufacturing	<1	4	5	16
Search, detection, and navigation instruments manufacturing	<1	4	6	18
Automatic environmental control manufacturing	<1	358	441	1,295
Industrial process variable instruments manufacturing	<1	36	46	144
Totalizing fluid meter and counting device manufacturing	<1	2	3	13
Electricity and signal testing instruments manufacturing	<1	6	7	20
Analytical laboratory instrument manufacturing	<1	6	8	22
Irradiation apparatus manufacturing	<1	<1	<1	4

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	32	41	163
Blank magnetic and optical recording media manufacturing	<1	146	372	2,326
Software and other prerecorded and record reproducing	<1	80	105	339
Electric lamp bulb and part manufacturing	<1	51	91	204
Lighting fixture manufacturing	<1	766	1,070	3,437
Small electrical appliance manufacturing	<1	53	128	371
Household cooking appliance manufacturing	<1	20	61	168
Household refrigerator and home freezer manufacturing	<1	26	71	183
Household laundry equipment manufacturing	<1	78	150	499
Other major household appliance manufacturing	<1	14	44	104
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	132	268	832
Switchgear and switchboard apparatus manufacturing	<1	8	16	48
Relay and industrial control manufacturing	<1	56	79	252
Storage battery manufacturing	<1	219	383	1,150
Primary battery manufacturing	<1	49	339	349
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	52	106	398
Wiring device manufacturing	<1	69	161	425
Carbon and graphite product manufacturing	<1	4	7	28
All other miscellaneous electrical equipment and component manufacturing	<1	8	9	37
Automobile manufacturing	<1	1,294	5,039	20,210
Light truck and utility vehicle manufacturing	<1	250	960	5,443
Heavy duty truck manufacturing	<1	18	41	199
Motor vehicle body manufacturing	<1	89	123	455
Truck trailer manufacturing	<1	8	11	42
Motor home manufacturing	<1	1,054	1,983	6,048
Travel trailer and camper manufacturing	<1	3,278	3,994	13,596

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	474	807	4,118
Motor vehicle electrical and electronic equipment manufacturing	<1	1,348	1,840	6,473
Motor vehicle transmission and power train parts manufacturing	<1	16,754	25,483	96,604
Motor vehicle seating and interior trim manufacturing	<1	435	530	2,744
Motor vehicle metal stamping	<1	703	939	3,197
Other motor vehicle parts manufacturing	<1	2,130	3,053	14,427
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,327	2,130	8,379
Aircraft manufacturing	<1	0	<1	<1
Aircraft engine and engine parts manufacturing	<1	131	452	789
Other aircraft parts and auxiliary equipment manufacturing	<1	10	16	31
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	0	0	<1
Railroad rolling stock manufacturing	<1	10	12	54
Ship building and repairing	<1	17	27	49
Boat building	<1	933	1,701	4,102
Motorcycle, bicycle, and parts manufacturing	<1	48	256	461
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	128	367	1,267
Wood kitchen cabinet and countertop manufacturing	<1	1,414	1,892	4,335
Upholstered household furniture manufacturing	<1	479	544	1,911
Nonupholstered wood household furniture manufacturing	<1	251	300	771
Other household nonupholstered furniture manufacturing	<1	298	529	1,852
Institutional furniture manufacturing	<1	12	12	40
Wood office furniture manufacturing	<1	13	17	49

## Appendix

Custom architectural woodwork and millwork	<1	9	9	25
Office furniture, except wood, manufacturing	<1	15	27	92
Showcase, partition, shelving, and locker manufacturing	<1	46	65	192
Mattress manufacturing	<1	165	321	1,318
Blind and shade manufacturing	<1	42	43	172
Surgical and medical instrument manufacturing	<1	617	1,115	2,289
Surgical appliance and supplies manufacturing	<1	2,128	4,996	9,264
Dental equipment and supplies manufacturing	<1	12	24	54
Ophthalmic goods manufacturing	<1	57	137	281
Dental laboratories	<1	152	183	353
Jewelry and silverware manufacturing	<1	142	254	706
Sporting and athletic goods manufacturing	<1	189	314	958
Doll, toy, and game manufacturing	<1	126	309	994
Office supplies (except paper) manufacturing	<1	213	381	875
Sign manufacturing	<1	434	427	1,069
Gasket, packing, and sealing device manufacturing	<1	446	529	1,198
Musical instrument manufacturing	<1	91	109	266
Fasteners, buttons, needles, and pins manufacturing	<1	75	95	216
Broom, brush, and mop manufacturing	<1	67	124	286
Burial casket manufacturing	<1	87	147	284
All other miscellaneous manufacturing	<1	62	96	259
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,490	7,176	17,234
Wholesale - Professional and commercial equipment and supplies	<1	19,093	29,126	53,261
Wholesale - Household appliances and electrical and electronic goods	<1	5,048	11,496	27,727
Wholesale - Machinery, equipment, and supplies	<1	8,394	14,769	28,272
Wholesale - Other durable goods merchant wholesalers	<1	11,035	18,987	40,964

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	9,328	25,918	49,870
Wholesale - Grocery and related product wholesalers	<1	9,694	14,264	30,766
Wholesale - Petroleum and petroleum products	<1	2,647	27,060	34,927
Wholesale - Other nondurable goods merchant wholesalers	<1	19,598	40,110	81,903
Wholesale - Wholesale electronic markets and agents and brokers	<1	8,523	9,561	11,503
Retail - Motor vehicle and parts dealers	<1	15,776	22,574	32,509
Retail - Furniture and home furnishings stores	<1	7,241	10,107	17,236
Retail - Electronics and appliance stores	<1	6,898	6,545	11,094
Retail - Building material and garden equipment and supplies stores	<1	8,990	17,858	25,819
Retail - Food and beverage stores	<1	17,206	25,323	43,735
Retail - Health and personal care stores	<1	15,510	19,960	30,057
Retail - Gasoline stores	<1	7,208	17,227	34,487
Retail - Clothing and clothing accessories stores	<1	7,237	12,477	27,674
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,388	9,736	15,833
Retail - General merchandise stores	<1	22,559	35,894	61,610
Retail - Miscellaneous store retailers	<1	14,139	15,137	27,010
Retail - Nonstore retailers	<1	13,751	78,407	127,280
Air transportation	<1	6,264	11,510	26,678
Rail transportation	<1	2,972	10,139	18,171
Water transportation	<1	2,359	4,589	16,940
Truck transportation	<1	32,953	50,346	98,550
Transit and ground passenger transportation	<1	6,070	8,647	13,594
Pipeline transportation	<1	2,902	3,482	5,947
Scenic and sightseeing transportation and support activities for transportation	<1	24,866	19,759	31,941
Couriers and messengers	<1	14,393	24,815	30,335
Warehousing and storage	<1	24,982	26,994	49,101
Newspaper publishers	<1	2,460	4,012	6,452
Periodical publishers	<1	692	1,028	2,024
Book publishers	<1	3,284	8,255	20,294



## Appendix

Directory, mailing list, and other publishers	<1	1,637	3,597	6,672
Greeting card publishing	<1	63	190	324
Software publishers	<1	44,256	82,839	117,513
Motion picture and video industries	<1	2,164	2,837	12,067
Sound recording industries	<1	540	2,214	5,547
Radio and television broadcasting	<1	11,690	14,314	44,278
Cable and other subscription programming	<1	1,909	6,562	22,609
Wired telecommunications carriers	<1	4,749	8,612	20,527
Wireless telecommunications carriers (except satellite)	<1	2,875	16,630	54,834
Satellite, telecommunications resellers, and all other telecommunications	<1	1,459	1,669	5,080
Data processing, hosting, and related services	<1	10,470	19,241	64,973
News syndicates, libraries, archives and all other information services	<1	1,326	1,926	4,999
Internet publishing and broadcasting and web search portals	<1	2,935	7,036	42,391
Nondepository credit intermediation and related activities	<1	18,128	19,446	31,693
Securities and commodity contracts intermediation and brokerage	<1	26,581	20,721	44,074
Monetary authorities and depository credit intermediation	<1	47,438	135,345	226,979
Other financial investment activities	<1	16,273	18,449	49,759
Direct life insurance carriers	<1	10,703	28,018	36,877
Insurance carriers, except direct life	<1	19,263	88,136	152,478
Insurance agencies, brokerages, and related activities	<1	21,458	43,650	94,584
Funds, trusts, and other financial vehicles	<1	4,714	12,317	34,060
Other real estate	3	338,466	450,787	792,187
Tenant-occupied housing	<1	23,417	62,605	67,556
Owner-occupied dwellings	0	0	338,353	408,336
Automotive equipment rental and leasing	<1	3,997	23,611	27,418

## Appendix

General and consumer goods rental except video tapes and discs	<1	4,573	9,754	13,715
Video tape and disc rental	<1	1,175	1,977	3,226
Commercial and industrial machinery and equipment rental and leasing	<1	3,584	15,015	18,159
Lessors of nonfinancial intangible assets	<1	344	19,173	20,171
Legal services	<1	71,046	134,436	186,855
Accounting, tax preparation, bookkeeping, and payroll services	<1	33,890	47,269	72,223
Architectural, engineering, and related services	<1	33,428	40,059	71,618
Specialized design services	<1	1,873	4,387	7,081
Custom computer programming services	<1	18,776	18,792	26,812
Computer systems design services	<1	18,634	16,538	21,849
Other computer related services, including facilities management	<1	7,762	8,914	18,915
Management consulting services	1	126,711	142,435	231,600
Environmental and other technical consulting services	<1	14,703	17,981	28,807
Scientific research and development services	20	1,996,844	4,271,209	6,678,944
Advertising, public relations, and related services	<1	17,463	32,420	69,487
Photographic services	<1	619	2,678	4,741
Veterinary services	<1	3,465	4,347	6,615
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	25,346	47,748	98,353
Management of companies and enterprises	<1	133,552	152,937	245,456
Office administrative services	<1	23,528	5,944	21,395
Facilities support services	<1	4,218	5,366	12,271
Employment services	3	147,742	192,911	330,107
Business support services	<1	14,288	11,987	20,829
Travel arrangement and reservation services	<1	4,873	7,078	23,629
Investigation and security services	<1	11,241	11,399	16,442
Services to buildings	<1	16,425	21,802	46,517
Landscape and horticultural services	<1	13,440	15,867	29,705
Other support services	<1	7,638	9,417	20,390
Waste management and remediation services	<1	9,333	19,419	36,742

Appendix

Elementary and secondary schools	<1	15,343	12,322	15,215
Junior colleges, colleges, universities, and professional schools	9	428,126	526,507	728,730
Other educational services	<1	8,053	8,932	18,257
Offices of physicians	<1	123,823	124,200	168,594
Offices of dentists	<1	20,574	24,160	32,101
Offices of other health practitioners	<1	17,101	24,986	32,190
Outpatient care centers	<1	21,670	21,299	34,150
Medical and diagnostic laboratories	<1	8,147	12,608	16,945
Home health care services	<1	21,155	20,980	27,329
Other ambulatory health care services	<1	6,758	7,828	11,956
Hospitals	2	199,357	232,929	429,685
Nursing and community care facilities	<1	26,735	29,513	46,799
Residential mental retardation, mental health, substance abuse and other facilities	<1	12,258	12,550	18,321
Individual and family services	<1	27,295	24,475	33,638
Child day care services	<1	8,857	13,874	18,190
Community food, housing, and other relief services, including rehabilitation services	<1	9,321	8,750	19,434
Performing arts companies	<1	1,463	3,926	6,231
Commercial Sports Except Racing	<1	7,892	9,076	13,184
Racing and Track Operation	<1	474	1,297	1,920
Independent artists, writers, and performers	<1	1,216	6,616	7,974
Promoters of performing arts and sports and agents for public figures	<1	1,683	7,756	12,446
Museums, historical sites, zoos, and parks	<1	1,410	2,034	3,424
Amusement parks and arcades	<1	269	805	957
Gambling industries (except casino hotels)	<1	4,674	15,248	20,200
Other amusement and recreation industries	<1	3,205	3,302	5,125
Fitness and recreational sports centers	<1	1,964	3,270	5,009
Bowling centers	<1	430	769	1,269
Hotels and motels, including casino hotels	<1	3,516	7,828	11,396
Other accommodations	<1	1,165	1,487	1,944

Appendix

Full-service restaurants	2	41,544	65,846	133,665
Limited-service restaurants	1	30,683	51,099	125,020
All other food and drinking places	<1	30,120	45,226	74,926
Automotive repair and maintenance, except car washes	<1	31,866	36,295	52,815
Car washes	<1	16,160	23,784	35,649
Electronic and precision equipment repair and maintenance	<1	8,234	10,937	17,999
Commercial and industrial machinery and equipment repair and maintenance	<1	37,896	41,739	61,676
Personal and household goods repair and maintenance	<1	3,314	6,568	9,211
Personal care services	<1	7,608	5,455	6,565
Death care services	<1	2,920	2,273	3,064
Dry-cleaning and laundry services	<1	6,285	4,561	5,693
Other personal services	<1	7,083	8,770	12,529
Religious organizations	<1	35,984	21,199	62,022
Grantmaking, giving, and social advocacy organizations	<1	7,169	22,551	31,576
Business and professional associations	<1	5,202	8,411	13,777
Labor and civic organizations	<1	6,093	18,320	33,176
Private households	<1	3,022	3,022	3,022
Postal service	<1	15,231	15,314	15,320
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	262	-3,027	162
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	4,114	1,574	3,798
Local government electric utilities	<1	212	781	1,496
Other local government enterprises	<1	6,855	12,342	31,635
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	385,595	774,284	1,416,921

## Investments in Climate Change Research and Technology

**Table 669: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	74	5,433,933	9,983,454	17,298,699
Oilseed farming	<1	14,365	35,067	56,136
Grain farming	<1	10,792	22,365	66,456
Vegetable and melon farming	<1	809	1,315	2,675
Fruit farming	<1	93	142	220
Tree nut farming	<1	1	2	3
Greenhouse, nursery, and floriculture production	<1	346	586	1,429
Tobacco farming	<1	18	23	55
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	358	555	1,320
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	1,231	2,207	6,046
Dairy cattle and milk production	<1	915	1,663	8,785
Poultry and egg production	<1	848	1,866	22,487
Animal production, except cattle and poultry and eggs	<1	12,116	28,720	35,278
Forestry, forest products, and timber tract production	<1	174	207	283

## Appendix

Commercial logging	<1	540	586	892
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	1	102	168
Support activities for agriculture and forestry	<1	4,765	4,586	4,970
Oil and gas extraction	<1	20	373	13,427
Coal mining	<1	1,556	4,891	7,739
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	22	46	80
Stone mining and quarrying	<1	502	2,099	3,355
Sand and gravel mining	<1	471	861	1,551
Other clay, ceramic, refractory minerals mining	<1	9	19	40
Potash, soda, and borate mineral mining	<1	17	26	50
Phosphate rock mining	<1	5	10	19
Other chemical and fertilizer mineral mining	<1	3	4	9
Other nonmetallic minerals	<1	44	82	159
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	<1	<1	6
Metal mining services	<1	2	9	231
Other nonmetallic minerals services	<1	4	7	55
Electric power generation - Hydroelectric	<1	8	21	46
Electric power generation - Fossil fuel	<1	5,652	24,663	60,357
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	48	120	236
Electric power generation - Wind	<1	253	2,644	4,918
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	17	54	136
Electric power generation - All other	<1	22	-4	12
Electric power transmission and distribution	<1	15,395	63,337	149,340

## Appendix

Natural gas distribution	<1	3,505	14,099	31,209
Water, sewage and other systems	<1	1,480	3,542	6,885
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,899	20,579	49,622
Maintenance and repair construction of residential structures	<1	5,595	8,466	19,924
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	11	27
Dog and cat food manufacturing	<1	414	1,263	5,088
Other animal food manufacturing	<1	965	1,870	15,362
Flour milling	<1	369	902	5,996
Rice milling	<1	44	93	558
Malt manufacturing	<1	21	44	238
Wet corn milling	<1	3,164	7,893	47,224
Soybean and other oilseed processing	<1	302	2,351	15,984
Fats and oils refining and blending	<1	60	187	1,402
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	502	774	3,245

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	14	24	112
Confectionery manufacturing from purchased chocolate	<1	148	239	1,536
Frozen fruits, juices and vegetables manufacturing	<1	2	5	13
Frozen specialties manufacturing	<1	390	581	2,250
Canned fruits and vegetables manufacturing	<1	403	898	3,168
Canned specialties	<1	792	2,173	8,647
Dehydrated food products manufacturing	<1	28	58	212
Cheese manufacturing	<1	151	232	2,317
Dry, condensed, and evaporated dairy product manufacturing	<1	484	1,391	5,707
Fluid milk manufacturing	<1	1,018	1,830	10,130
Creamery butter manufacturing	<1	82	344	1,395
Ice cream and frozen dessert manufacturing	<1	163	255	1,084
Frozen cakes and other pastries manufacturing	<1	1,025	1,654	2,808
Poultry processing	<1	2,429	3,120	14,169
Animal, except poultry, slaughtering	<1	1,884	2,370	21,757
Meat processed from carcasses	<1	2,544	2,438	20,615
Rendering and meat byproduct processing	<1	119	115	589
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	2,483	3,933	9,211
Cookie and cracker manufacturing	<1	668	1,027	3,927
Dry pasta, mixes, and dough manufacturing	<1	130	361	1,185
Tortilla manufacturing	<1	167	239	817
Roasted nuts and peanut butter manufacturing	<1	148	368	1,497
Other snack food manufacturing	<1	1,049	3,468	10,927
Coffee and tea manufacturing	<1	33	68	381
Flavoring syrup and concentrate manufacturing	<1	99	949	1,811
Mayonnaise, dressing, and sauce manufacturing	<1	98	218	844
Spice and extract manufacturing	<1	18	33	132
All other food manufacturing	<1	923	1,432	6,020
Bottled and canned soft drinks & water	<1	1,812	3,633	14,412
Manufactured ice	<1	94	71	358



## Appendix

Breweries	<1	562	1,269	4,789
Wineries	<1	330	668	3,317
Distilleries	<1	943	3,536	8,808
Tobacco product manufacturing	<1	274	7,238	13,158
Fiber, yarn, and thread mills	<1	11	13	61
Broadwoven fabric mills	<1	16	18	105
Narrow fabric mills and schiffli machine embroidery	<1	4	5	19
Nonwoven fabric mills	<1	286	312	1,809
Knit fabric mills	<1	3	4	16
Textile and fabric finishing mills	<1	8	8	42
Fabric coating mills	<1	22	23	110
Carpet and rug mills	<1	48	54	253
Curtain and linen mills	<1	136	139	591
Textile bag and canvas mills	<1	388	393	1,388
Rope, cordage, twine, tire cord and tire fabric mills	<1	143	142	588
Other textile product mills	<1	188	192	685
Hosiery and sock mills	<1	13	16	49
Other apparel knitting mills	<1	14	17	54
Cut and sew apparel contractors	<1	45	50	125
Men's and boys' cut and sew apparel manufacturing	<1	15	18	59
Women's and girls' cut and sew apparel manufacturing	<1	16	19	112
Other cut and sew apparel manufacturing	<1	11	14	52
Apparel accessories and other apparel manufacturing	<1	33	38	137
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	14	14	50
Other leather and allied product manufacturing	<1	59	61	209
Sawmills	<1	471	727	3,344
Wood preservation	<1	43	95	444
Veneer and plywood manufacturing	<1	508	721	2,783
Engineered wood member and truss manufacturing	<1	344	489	1,624
Reconstituted wood product manufacturing	<1	26	61	345
Wood windows and door manufacturing	<1	784	957	3,092
Cut stock, resawing lumber, and planing	<1	288	494	1,584

## Appendix

Other millwork, including flooring	<1	549	775	2,352
Wood container and pallet manufacturing	<1	747	930	2,822
Manufactured home (mobile home) manufacturing	<1	6	8	20
Prefabricated wood building manufacturing	<1	63	93	276
All other miscellaneous wood product manufacturing	<1	426	550	1,892
Pulp mills	<1	5	8	31
Paper mills	<1	780	2,131	6,339
Paperboard mills	<1	578	1,368	5,284
Paperboard container manufacturing	<1	1,977	3,299	14,793
Paper bag and coated and treated paper manufacturing	<1	1,083	1,879	6,834
Stationery product manufacturing	<1	150	201	841
Sanitary paper product manufacturing	<1	445	1,485	4,334
All other converted paper product manufacturing	<1	188	354	1,095
Printing	<1	9,415	14,059	29,995
Support activities for printing	<1	225	334	580
Petroleum refineries	<1	3,355	35,463	155,058
Asphalt paving mixture and block manufacturing	<1	308	474	1,214
Asphalt shingle and coating materials manufacturing	<1	165	697	1,745
Petroleum lubricating oil and grease manufacturing	<1	511	1,613	4,805
All other petroleum and coal products manufacturing	<1	63	225	611
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	934	4,009	8,873
Synthetic dye and pigment manufacturing	<1	67	174	411
Other basic inorganic chemical manufacturing	<1	245	741	1,946
Other basic organic chemical manufacturing	<1	735	2,457	14,155
Plastics material and resin manufacturing	<1	975	2,150	10,667
Synthetic rubber manufacturing	<1	85	146	719
Artificial and synthetic fibers and filaments manufacturing	<1	3	4	15
Nitrogenous fertilizer manufacturing	<1	11	59	137

Appendix

Phosphatic fertilizer manufacturing	<1	41	164	372
Fertilizer mixing	<1	50	142	392
Pesticide and other agricultural chemical manufacturing	<1	805	4,142	10,373
Medicinal and botanical manufacturing	<1	18	42	151
Pharmaceutical preparation manufacturing	<1	15,451	58,635	108,639
In-vitro diagnostic substance manufacturing	<1	1,095	2,119	3,689
Biological product (except diagnostic) manufacturing	<1	28	134	284
Paint and coating manufacturing	<1	192	536	1,863
Adhesive manufacturing	<1	167	365	1,410
Soap and other detergent manufacturing	<1	270	1,115	2,902
Polish and other sanitation good manufacturing	<1	554	1,252	2,868
Surface active agent manufacturing	<1	4	28	67
Toilet preparation manufacturing	<1	263	1,186	2,797
Printing ink manufacturing	<1	24	28	104
Explosives manufacturing	<1	10	12	36
Custom compounding of purchased resins	<1	611	1,339	3,870
Photographic film and chemical manufacturing	<1	8	26	84
Other miscellaneous chemical product manufacturing	<1	326	690	2,603
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	922	1,315	5,740
Unlaminated plastics profile shape manufacturing	<1	380	708	2,872
Plastics pipe and pipe fitting manufacturing	<1	93	206	1,011
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	208	301	1,076
Polystyrene foam product manufacturing	<1	282	429	1,836
Urethane and other foam product (except polystyrene) manufacturing	<1	743	1,097	5,091
Plastics bottle manufacturing	<1	186	259	1,443
Other plastics product manufacturing	<1	6,441	8,544	32,613
Tire manufacturing	<1	1,649	1,959	7,810

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	107	151	674
Other rubber product manufacturing	<1	1,220	1,446	5,501
Pottery, ceramics, and plumbing fixture manufacturing	<1	11	19	58
Brick, tile, and other structural clay product manufacturing	<1	167	306	658
Flat glass manufacturing	<1	19	42	134
Other pressed and blown glass and glassware manufacturing	<1	31	54	174
Glass container manufacturing	<1	268	451	1,139
Glass product manufacturing made of purchased glass	<1	823	1,597	4,002
Cement manufacturing	<1	185	462	1,184
Ready-mix concrete manufacturing	<1	888	1,550	4,882
Concrete block and brick manufacturing	<1	135	260	669
Concrete pipe manufacturing	<1	37	65	172
Other concrete product manufacturing	<1	437	692	1,711
Lime manufacturing	<1	23	56	151
Gypsum product manufacturing	<1	577	1,826	4,749
Abrasive product manufacturing	<1	91	218	395
Cut stone and stone product manufacturing	<1	303	412	969
Ground or treated mineral and earth manufacturing	<1	235	617	1,289
Mineral wool manufacturing	<1	186	556	1,268
Miscellaneous nonmetallic mineral products manufacturing	<1	35	90	216
Iron and steel mills and ferroalloy manufacturing	<1	4,017	13,341	49,937
Iron, steel pipe and tube manufacturing from purchased steel	<1	97	280	1,178
Rolled steel shape manufacturing	<1	295	1,448	4,088
Steel wire drawing	<1	161	421	1,375
Alumina refining and primary aluminum production	<1	727	1,454	6,256
Secondary smelting and alloying of aluminum	<1	115	296	2,373
Aluminum sheet, plate, and foil manufacturing	<1	142	394	1,366
Other aluminum rolling, drawing and extruding	<1	213	370	1,543
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	886	2,439	18,937
Nonferrous metal, except copper and aluminum, shaping	<1	286	385	1,265
Secondary processing of other nonferrous metals	<1	24	64	246
Ferrous metal foundries	<1	542	1,166	2,583
Nonferrous metal foundries	<1	629	978	2,152
Custom roll forming	<1	10	18	102
Crown and closure manufacturing and metal stamping	<1	620	909	2,745
Iron and steel forging	<1	184	287	965
Nonferrous forging	<1	14	20	62
Cutlery, utensil, pot, and pan manufacturing	<1	25	75	258
Handtool manufacturing	<1	113	219	524
Prefabricated metal buildings and components manufacturing	<1	169	302	778
Fabricated structural metal manufacturing	<1	1,609	2,804	8,433
Plate work manufacturing	<1	219	263	902
Metal window and door manufacturing	<1	525	839	2,362
Sheet metal work manufacturing	<1	768	1,207	3,510
Ornamental and architectural metal work manufacturing	<1	200	269	754
Power boiler and heat exchanger manufacturing	<1	5	8	23
Metal tank (heavy gauge) manufacturing	<1	101	135	356
Metal cans manufacturing	<1	88	205	869
Metal barrels, drums and pails manufacturing	<1	45	67	340
Hardware manufacturing	<1	758	1,295	3,468
Spring and wire product manufacturing	<1	260	386	1,262
Machine shops	<1	2,571	3,302	7,047
Turned product and screw, nut, and bolt manufacturing	<1	533	762	2,057
Metal heat treating	<1	230	339	789
Metal coating and nonprecious engraving	<1	563	1,214	3,021
Electroplating, anodizing, and coloring metal	<1	334	378	903
Valve and fittings, other than plumbing, manufacturing	<1	186	323	887
Plumbing fixture fitting and trim manufacturing	<1	102	314	1,056

## Appendix

Ball and roller bearing manufacturing	<1	245	482	1,269
Small arms ammunition manufacturing	<1	65	191	387
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	70	191	592
Fabricated pipe and pipe fitting manufacturing	<1	131	184	557
Other fabricated metal manufacturing	<1	811	1,221	3,418
Farm machinery and equipment manufacturing	<1	144	274	1,113
Lawn and garden equipment manufacturing	<1	17	29	142
Construction machinery manufacturing	<1	28	65	219
Mining machinery and equipment manufacturing	<1	3	5	13
Oil and gas field machinery and equipment manufacturing	<1	11	14	41
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	3	4	10
Sawmill, woodworking, and paper machinery	<1	23	27	92
Printing machinery and equipment manufacturing	<1	2	2	7
All other industrial machinery manufacturing	<1	9	11	34
Optical instrument and lens manufacturing	<1	53	80	236
Photographic and photocopying equipment manufacturing	<1	2	3	11
Other commercial service industry machinery manufacturing	<1	30	50	177
Air purification and ventilation equipment manufacturing	<1	82	107	308
Heating equipment (except warm air furnaces) manufacturing	<1	210	330	962
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	523	927	2,628
Industrial mold manufacturing	<1	58	71	177
Special tool, die, jig, and fixture manufacturing	<1	60	81	170

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	47	54	133
Machine tool manufacturing	<1	6	8	25
Rolling mill and other metalworking machinery manufacturing	<1	16	22	56
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	<1	185	271	795
Mechanical power transmission equipment manufacturing	<1	97	140	363
Other engine equipment manufacturing	<1	5,275	12,149	36,665
Pump and pumping equipment manufacturing	<1	14	24	82
Air and gas compressor manufacturing	<1	11	15	51
Elevator and moving stairway manufacturing	<1	10	13	46
Conveyor and conveying equipment manufacturing	<1	18	20	66
Overhead cranes, hoists, and monorail systems manufacturing	<1	13	24	90
Industrial truck, trailer, and stacker manufacturing	<1	104	178	643
Power-driven handtool manufacturing	<1	6	18	39
Welding and soldering equipment manufacturing	<1	5	8	25
Packaging machinery manufacturing	<1	3	4	13
Industrial process furnace and oven manufacturing	<1	3	4	10
Fluid power cylinder and actuator manufacturing	<1	124	181	498
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	22	27	90
Electronic computer manufacturing	<1	<1	<1	4
Computer storage device manufacturing	<1	1	1	7
Computer terminals and other computer peripheral equipment manufacturing	<1	1	1	7
Telephone apparatus manufacturing	<1	3	4	23

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	16	20	61
Other communications equipment manufacturing	<1	24	33	91
Audio and video equipment manufacturing	<1	6	9	53
Printed circuit assembly (electronic assembly) manufacturing	<1	242	322	1,667
Bare printed circuit board manufacturing	<1	10	11	28
Semiconductor and related device manufacturing	<1	9	12	45
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	48	55	207
Electronic connector manufacturing	<1	2,435	2,892	8,780
Other electronic component manufacturing	<1	98	112	426
Electromedical and electrotherapeutic apparatus manufacturing	<1	4	5	15
Search, detection, and navigation instruments manufacturing	<1	11	15	48
Automatic environmental control manufacturing	<1	195	237	719
Industrial process variable instruments manufacturing	<1	46	59	187
Totalizing fluid meter and counting device manufacturing	<1	3	6	23
Electricity and signal testing instruments manufacturing	<1	52	60	175
Analytical laboratory instrument manufacturing	<1	18,290	26,347	69,760
Irradiation apparatus manufacturing	<1	<1	<1	3
Watch, clock, and other measuring and controlling device manufacturing	<1	34	44	182
Blank magnetic and optical recording media manufacturing	<1	77	214	1,387
Software and other prerecorded and record reproducing	<1	53	69	238
Electric lamp bulb and part manufacturing	<1	48	83	195
Lighting fixture manufacturing	<1	706	962	3,336
Small electrical appliance manufacturing	<1	47	114	337



## Appendix

Household cooking appliance manufacturing	<1	20	54	163
Household refrigerator and home freezer manufacturing	<1	25	60	173
Household laundry equipment manufacturing	<1	74	132	481
Other major household appliance manufacturing	<1	11	33	84
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	3
Motor and generator manufacturing	<1	145	295	920
Switchgear and switchboard apparatus manufacturing	<1	15	31	95
Relay and industrial control manufacturing	<1	74	103	354
Storage battery manufacturing	<1	199	351	1,128
Primary battery manufacturing	<1	41	181	276
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	91	178	710
Wiring device manufacturing	<1	133	290	813
Carbon and graphite product manufacturing	<1	6	11	42
All other miscellaneous electrical equipment and component manufacturing	<1	10,894	13,031	50,525
Automobile manufacturing	<1	1,749	8,212	30,572
Light truck and utility vehicle manufacturing	<1	349	1,580	8,452
Heavy duty truck manufacturing	<1	23	52	296
Motor vehicle body manufacturing	<1	114	159	568
Truck trailer manufacturing	<1	12	16	63
Motor home manufacturing	<1	2,317	4,281	13,900
Travel trailer and camper manufacturing	<1	5,306	6,611	22,023
Motor vehicle gasoline engine and engine parts manufacturing	<1	556	954	4,912
Motor vehicle electrical and electronic equipment manufacturing	<1	1,917	2,605	9,986
Motor vehicle transmission and power train parts manufacturing	<1	12,793	20,236	84,630
Motor vehicle seating and interior trim manufacturing	<1	785	970	5,044
Motor vehicle metal stamping	<1	1,249	1,648	5,946
Other motor vehicle parts manufacturing	<1	2,854	4,250	19,865

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,407	2,162	8,947
Aircraft manufacturing	<1	0	<1	<1
Aircraft engine and engine parts manufacturing	<1	354	1,156	2,058
Other aircraft parts and auxiliary equipment manufacturing	<1	13	22	43
Guided missile and space vehicle manufacturing	<1	<1	<1	2
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	0	0	<1
Railroad rolling stock manufacturing	<1	10	12	57
Ship building and repairing	<1	20	33	57
Boat building	<1	1,446	2,695	6,497
Motorcycle, bicycle, and parts manufacturing	<1	71	467	770
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	220	669	2,317
Wood kitchen cabinet and countertop manufacturing	<1	1,649	2,285	5,286
Upholstered household furniture manufacturing	<1	473	536	1,866
Nonupholstered wood household furniture manufacturing	<1	269	323	849
Other household nonupholstered furniture manufacturing	<1	324	586	2,192
Institutional furniture manufacturing	<1	9	10	34
Wood office furniture manufacturing	<1	10	14	43
Custom architectural woodwork and millwork	<1	8	8	25
Office furniture, except wood, manufacturing	<1	12	23	75
Showcase, partition, shelving, and locker manufacturing	<1	58	87	256
Mattress manufacturing	<1	196	383	1,595
Blind and shade manufacturing	<1	55	55	219
Surgical and medical instrument manufacturing	<1	617	1,086	2,344
Surgical appliance and supplies manufacturing	<1	2,117	4,802	9,359

## Appendix

Dental equipment and supplies manufacturing	<1	12	23	53
Ophthalmic goods manufacturing	<1	74	170	355
Dental laboratories	<1	159	190	369
Jewelry and silverware manufacturing	<1	167	290	816
Sporting and athletic goods manufacturing	<1	222	363	1,164
Doll, toy, and game manufacturing	<1	128	295	996
Office supplies (except paper) manufacturing	<1	180	311	817
Sign manufacturing	<1	496	479	1,235
Gasket, packing, and sealing device manufacturing	<1	454	531	1,239
Musical instrument manufacturing	<1	57	66	166
Fasteners, buttons, needles, and pins manufacturing	<1	59	73	165
Broom, brush, and mop manufacturing	<1	40	66	171
Burial casket manufacturing	<1	141	226	488
All other miscellaneous manufacturing	<1	68	105	293
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,528	7,327	17,370
Wholesale - Professional and commercial equipment and supplies	<1	17,089	26,202	48,177
Wholesale - Household appliances and electrical and electronic goods	<1	6,806	15,790	38,016
Wholesale - Machinery, equipment, and supplies	<1	9,122	16,257	31,105
Wholesale - Other durable goods merchant wholesalers	<1	10,591	18,450	39,718
Wholesale - Drugs and druggists'sundries	<1	9,408	26,847	52,494
Wholesale - Grocery and related product wholesalers	<1	10,113	15,108	32,653
Wholesale - Petroleum and petroleum products	<1	3,503	28,796	38,274
Wholesale - Other nondurable goods merchant wholesalers	<1	19,348	38,567	80,533
Wholesale - Wholesale electronic markets and agents and brokers	<1	9,041	10,234	12,456
Retail - Motor vehicle and parts dealers	<1	16,583	23,987	34,743
Retail - Furniture and home furnishings stores	<1	7,362	10,368	17,865

## Appendix

Retail - Electronics and appliance stores	<1	6,989	6,679	11,635
Retail - Building material and garden equipment and supplies stores	<1	9,026	18,354	26,674
Retail - Food and beverage stores	<1	16,675	24,880	43,239
Retail - Health and personal care stores	<1	15,596	20,240	31,024
Retail - Gasoline stores	<1	7,502	18,624	37,868
Retail - Clothing and clothing accessories stores	<1	7,233	12,881	29,183
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,321	9,791	16,182
Retail - General merchandise stores	<1	23,760	38,329	66,226
Retail - Miscellaneous store retailers	<1	14,171	15,365	27,996
Retail - Nonstore retailers	<1	13,845	79,619	129,527
Air transportation	<1	6,637	11,982	28,494
Rail transportation	<1	2,897	10,803	18,492
Water transportation	<1	2,373	4,193	17,373
Truck transportation	<1	34,812	53,848	108,130
Transit and ground passenger transportation	<1	4,306	6,322	10,796
Pipeline transportation	<1	4,561	4,541	7,986
Scenic and sightseeing transportation and support activities for transportation	<1	26,985	22,307	35,536
Couriers and messengers	<1	13,641	25,136	30,669
Warehousing and storage	<1	26,840	28,794	53,260
Newspaper publishers	<1	2,176	3,148	5,430
Periodical publishers	<1	474	595	1,331
Book publishers	<1	2,599	5,659	15,190
Directory, mailing list, and other publishers	<1	1,763	3,483	6,729
Greeting card publishing	<1	64	172	299
Software publishers	<1	8,984	14,207	22,464
Motion picture and video industries	<1	1,977	2,566	11,670
Sound recording industries	<1	473	1,885	5,016
Radio and television broadcasting	<1	10,703	13,099	45,890
Cable and other subscription programming	<1	1,602	5,234	19,433
Wired telecommunications carriers	<1	5,299	9,200	22,620

Appendix

Wireless telecommunications carriers (except satellite)	<1	3,329	16,442	58,821
Satellite, telecommunications resellers, and all other telecommunications	<1	1,572	1,927	5,671
Data processing, hosting, and related services	<1	11,181	20,611	71,282
News syndicates, libraries, archives and all other information services	<1	1,213	1,758	4,626
Internet publishing and broadcasting and web search portals	<1	2,789	6,689	41,280
Nondepository credit intermediation and related activities	<1	18,041	19,241	32,373
Securities and commodity contracts intermediation and brokerage	<1	24,405	19,942	47,965
Monetary authorities and depository credit intermediation	<1	57,283	140,004	252,493
Other financial investment activities	<1	12,971	14,696	45,462
Direct life insurance carriers	<1	11,518	29,362	40,812
Insurance carriers, except direct life	<1	19,905	88,289	162,632
Insurance agencies, brokerages, and related activities	<1	24,094	48,704	109,197
Funds, trusts, and other financial vehicles	<1	4,275	10,553	33,581
Other real estate	3	330,263	446,819	820,864
Tenant-occupied housing	<1	22,614	59,519	64,969
Owner-occupied dwellings	0	0	331,441	402,411
Automotive equipment rental and leasing	<1	4,113	23,023	27,889
General and consumer goods rental except video tapes and discs	<1	4,701	10,097	14,450
Video tape and disc rental	<1	1,225	2,082	3,389
Commercial and industrial machinery and equipment rental and leasing	<1	3,889	15,744	19,491
Lessors of nonfinancial intangible assets	<1	451	21,517	22,798
Legal services	<1	82,705	149,499	212,489
Accounting, tax preparation, bookkeeping, and payroll services	<1	34,794	47,421	75,189
Architectural, engineering, and related services	<1	38,265	45,460	82,704
Specialized design services	<1	1,699	3,891	6,635

## Appendix

Custom computer programming services	<1	16,023	16,079	23,654
Computer systems design services	<1	18,444	16,345	22,038
Other computer related services, including facilities management	<1	7,118	8,229	17,688
Management consulting services	2	147,518	165,287	279,000
Environmental and other technical consulting services	<1	14,577	17,611	29,173
Scientific research and development services	22	2,107,309	4,634,249	7,268,515
Advertising, public relations, and related services	<1	16,220	29,629	66,164
Photographic services	<1	699	2,782	5,350
Veterinary services	<1	3,449	4,274	6,661
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	22,397	41,633	88,488
Management of companies and enterprises	1	135,686	154,858	256,806
Office administrative services	<1	19,863	4,645	18,630
Facilities support services	<1	38,262	47,641	119,047
Employment services	4	157,849	200,930	372,263
Business support services	<1	16,538	13,619	25,378
Travel arrangement and reservation services	<1	5,250	7,539	26,303
Investigation and security services	<1	12,007	12,144	18,265
Services to buildings	<1	17,075	22,081	49,631
Landscape and horticultural services	<1	13,438	15,636	30,664
Other support services	<1	7,521	9,159	20,889
Waste management and remediation services	<1	10,202	21,524	41,045
Elementary and secondary schools	<1	12,468	10,082	12,682
Junior colleges, colleges, universities, and professional schools	7	360,054	448,776	615,002
Other educational services	<1	7,039	7,746	16,330
Offices of physicians	<1	123,225	123,166	169,680
Offices of dentists	<1	20,115	23,185	31,339
Offices of other health practitioners	<1	17,788	24,995	32,796
Outpatient care centers	<1	21,070	20,618	32,819
Medical and diagnostic laboratories	<1	8,226	12,266	16,916
Home health care services	<1	19,816	19,567	25,824

## Appendix

Other ambulatory health care services	<1	6,627	7,547	11,763
Hospitals	2	165,050	190,785	353,744
Nursing and community care facilities	<1	23,297	25,593	41,992
Residential mental retardation, mental health, substance abuse and other facilities	<1	9,385	9,589	14,445
Individual and family services	<1	22,659	20,104	28,631
Child day care services	<1	7,934	11,968	16,144
Community food, housing, and other relief services, including rehabilitation services	<1	7,188	6,715	15,530
Performing arts companies	<1	1,295	3,415	5,835
Commercial Sports Except Racing	<1	7,925	8,113	12,458
Racing and Track Operation	<1	387	1,120	1,767
Independent artists, writers, and performers	<1	1,133	6,131	7,633
Promoters of performing arts and sports and agents for public figures	<1	1,511	6,977	12,085
Museums, historical sites, zoos, and parks	<1	1,199	1,706	2,991
Amusement parks and arcades	<1	256	758	918
Gambling industries (except casino hotels)	<1	4,252	13,618	18,424
Other amusement and recreation industries	<1	3,027	3,093	4,934
Fitness and recreational sports centers	<1	1,756	2,844	4,565
Bowling centers	<1	418	730	1,242
Hotels and motels, including casino hotels	<1	3,579	8,287	12,182
Other accommodations	<1	1,032	1,326	1,765
Full-service restaurants	2	41,708	66,854	138,543
Limited-service restaurants	1	30,719	51,740	130,853
All other food and drinking places	<1	29,163	44,503	75,704
Automotive repair and maintenance, except car washes	<1	31,118	37,243	54,556
Car washes	<1	16,438	24,516	37,064
Electronic and precision equipment repair and maintenance	<1	8,832	11,753	20,041
Commercial and industrial machinery and equipment repair and maintenance	<1	13,757	15,606	24,615
Personal and household goods repair and maintenance	<1	3,904	8,598	11,948

## Appendix

Personal care services	<1	7,332	6,089	7,217
Death care services	<1	2,617	2,305	3,083
Dry-cleaning and laundry services	<1	5,972	4,995	6,156
Other personal services	<1	7,186	9,260	13,318
Religious organizations	<1	28,704	20,076	53,078
Grantmaking, giving, and social advocacy organizations	<1	5,229	19,472	26,693
Business and professional associations	<1	4,542	8,438	13,780
Labor and civic organizations	<1	4,696	16,917	29,398
Private households	<1	2,948	2,948	2,960
Postal service	<1	15,038	15,110	15,222
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	243	-2,760	146
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	3,746	2,676	4,929
Local government electric utilities	<1	251	1,058	1,996
Other local government enterprises	<1	7,943	19,140	42,140
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	104,023	184,520	336,258

## Iowa

## NASA

Table 670: Detailed NASA Impacts by Types of Impact, Iowa

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	556	38,694,779	62,193,050	121,798,334
Oilseed farming	<1	194,664	628,165	1,391,090
Grain farming	<1	70,364	170,258	701,378
Vegetable and melon farming	<1	869	1,540	4,566
Fruit farming	<1	465	774	1,757
Tree nut farming	<1	6	10	24
Greenhouse, nursery, and floriculture production	<1	2,095	3,794	12,674
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,831	3,067	10,065
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	17,024	37,644	150,768
Dairy cattle and milk production	<1	3,982	7,876	59,966
Poultry and egg production	<1	3,770	8,046	137,574
Animal production, except cattle and poultry and eggs	1	82,136	254,800	437,117
Forestry, forest products, and timber tract production	<1	876	1,001	1,315
Commercial logging	<1	1,767	1,877	3,232
Commercial fishing	<1	13	917	926
Commercial hunting and trapping	<1	262	1,283	1,917
Support activities for agriculture and forestry	<1	26,252	26,930	29,332
Oil and gas extraction	<1	610	183	94,845
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	7,696	16,358	32,456
Sand and gravel mining	<1	4,191	5,960	12,266

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	86	110	210
Phosphate rock mining	<1	33	48	100
Other chemical and fertilizer mineral mining	<1	22	29	58
Other nonmetallic minerals	<1	555	798	1,622
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	7	9	52
Metal mining services	<1	3	<1	443
Other nonmetallic minerals services	<1	1	1	85
Electric power generation - Hydroelectric	<1	1,120	2,909	5,619
Electric power generation - Fossil fuel	<1	50,199	201,787	460,307
Electric power generation - Nuclear	<1	11,212	24,279	47,437
Electric power generation - Solar	<1	323	783	1,392
Electric power generation - Wind	<1	6,254	57,719	106,575
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	339	1,116	3,002
Electric power generation - All other	<1	1,183	50	665
Electric power transmission and distribution	<1	128,206	496,197	1,160,266
Natural gas distribution	<1	17,445	66,952	135,077
Water, sewage and other systems	<1	6,937	15,488	27,348
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	108,697	154,336	402,857
Maintenance and repair construction of residential structures	<1	42,030	57,506	144,372
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	32	45	117
Dog and cat food manufacturing	<1	8,192	23,479	75,515
Other animal food manufacturing	<1	12,295	22,992	152,031
Flour milling	<1	1,823	4,178	24,826
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	34,803	85,120	440,419
Soybean and other oilseed processing	<1	4,100	28,703	189,319
Fats and oils refining and blending	<1	93	271	1,672
Breakfast cereal manufacturing	<1	23,933	64,191	161,277
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	34	51	444
Chocolate and confectionery manufacturing from cacao beans	<1	315	495	1,790
Confectionery manufacturing from purchased chocolate	<1	1,200	1,851	7,380
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	5,921	8,436	30,123
Canned fruits and vegetables manufacturing	<1	1,374	2,841	8,593
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	1,615	2,410	21,793
Dry, condensed, and evaporated dairy product manufacturing	<1	4,230	11,048	45,623
Fluid milk manufacturing	<1	4,206	7,208	38,519
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	4,198	6,268	21,367

## Appendix

Frozen cakes and other pastries manufacturing	<1	2,491	3,628	7,627
Poultry processing	<1	17,166	22,024	89,726
Animal, except poultry, slaughtering	<1	36,642	45,809	347,053
Meat processed from carcasses	<1	24,259	23,363	167,709
Rendering and meat byproduct processing	<1	339	334	2,099
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	7,842	11,718	32,533
Cookie and cracker manufacturing	<1	6,819	10,243	31,724
Dry pasta, mixes, and dough manufacturing	<1	1,264	3,185	9,568
Tortilla manufacturing	<1	543	750	2,288
Roasted nuts and peanut butter manufacturing	<1	783	962	5,489
Other snack food manufacturing	<1	1,140	2,540	8,885
Coffee and tea manufacturing	<1	109	218	1,338
Flavoring syrup and concentrate manufacturing	<1	146	1,239	1,873
Mayonnaise, dressing, and sauce manufacturing	<1	942	1,930	8,271
Spice and extract manufacturing	<1	2,440	4,237	17,197
All other food manufacturing	<1	7,008	10,402	37,740
Bottled and canned soft drinks & water	<1	7,249	13,501	56,609
Manufactured ice	<1	576	436	1,760
Breweries	<1	2,857	6,890	25,671
Wineries	<1	1,277	2,553	14,365
Distilleries	<1	995	5,198	13,003
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	34	39	286
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	45	47	195
Textile and fabric finishing mills	<1	53	58	298
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	466	561	2,943
Curtain and linen mills	<1	22	24	97
Textile bag and canvas mills	<1	379	396	1,362
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	700	732	2,541
Hosiery and sock mills	<1	310	272	731
Other apparel knitting mills	<1	312	267	740
Cut and sew apparel contractors	<1	19	29	58
Men's and boys' cut and sew apparel manufacturing	<1	55	54	158
Women's and girls' cut and sew apparel manufacturing	<1	57	41	261
Other cut and sew apparel manufacturing	<1	32	32	115
Apparel accessories and other apparel manufacturing	<1	237	195	605
Leather and hide tanning and finishing	<1	121	97	608
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	115	110	347
Sawmills	<1	1,802	2,255	12,346
Wood preservation	<1	69	103	702
Veneer and plywood manufacturing	<1	328	400	1,383
Engineered wood member and truss manufacturing	<1	1,883	2,134	7,416
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	24,354	25,709	80,078
Cut stock, resawing lumber, and planing	<1	72	93	458
Other millwork, including flooring	<1	952	1,059	3,881
Wood container and pallet manufacturing	<1	3,910	4,098	13,563
Manufactured home (mobile home) manufacturing	<1	<1	<1	3
Prefabricated wood building manufacturing	<1	734	791	2,649
All other miscellaneous wood product manufacturing	<1	310	326	1,697
Pulp mills	0	0	0	0
Paper mills	<1	2,844	9,994	24,606
Paperboard mills	<1	1,112	3,615	9,758
Paperboard container manufacturing	<1	8,392	17,491	59,775
Paper bag and coated and treated paper manufacturing	<1	4,540	9,914	25,687
Stationery product manufacturing	<1	1,098	1,742	6,593

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	1,050	2,564	6,968
Printing	1	76,914	137,818	255,325
Support activities for printing	<1	2,086	3,659	5,182
Petroleum refineries	<1	2,281	8,822	121,185
Asphalt paving mixture and block manufacturing	<1	1,885	2,244	7,327
Asphalt shingle and coating materials manufacturing	<1	457	812	1,974
Petroleum lubricating oil and grease manufacturing	<1	5,231	8,426	19,566
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	482	7,918	17,149
Industrial gas manufacturing	<1	4,022	15,281	41,802
Synthetic dye and pigment manufacturing	<1	564	1,351	2,806
Other basic inorganic chemical manufacturing	<1	1,284	3,426	8,271
Other basic organic chemical manufacturing	<1	6,504	19,940	101,126
Plastics material and resin manufacturing	<1	3,009	6,232	24,804
Synthetic rubber manufacturing	<1	51	88	611
Artificial and synthetic fibers and filaments manufacturing	<1	121	205	1,286
Nitrogenous fertilizer manufacturing	<1	3,676	16,470	39,772
Phosphatic fertilizer manufacturing	<1	58	194	510
Fertilizer mixing	<1	59	144	413
Pesticide and other agricultural chemical manufacturing	<1	3,847	16,569	47,369
Medicinal and botanical manufacturing	<1	1,419	2,656	6,588
Pharmaceutical preparation manufacturing	<1	1,155	3,696	9,256
In-vitro diagnostic substance manufacturing	<1	<1	<1	1
Biological product (except diagnostic) manufacturing	<1	6,863	24,650	50,068
Paint and coating manufacturing	<1	770	1,863	6,755
Adhesive manufacturing	<1	196	368	1,257
Soap and other detergent manufacturing	<1	337	1,160	6,229
Polish and other sanitation good manufacturing	<1	998	1,915	5,593

Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,997	7,302	16,078
Printing ink manufacturing	<1	436	503	2,091
Explosives manufacturing	<1	53	64	227
Custom compounding of purchased resins	<1	82	175	606
Photographic film and chemical manufacturing	<1	872	2,262	6,083
Other miscellaneous chemical product manufacturing	<1	697	1,292	4,359
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,637	3,698	12,737
Unlaminated plastics profile shape manufacturing	<1	902	1,628	6,998
Plastics pipe and pipe fitting manufacturing	<1	815	1,764	8,011
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	697	1,007	3,691
Polystyrene foam product manufacturing	<1	1,044	1,591	6,347
Urethane and other foam product (except polystyrene) manufacturing	<1	729	1,074	5,011
Plastics bottle manufacturing	<1	1,245	1,728	8,916
Other plastics product manufacturing	<1	15,959	21,347	78,347
Tire manufacturing	<1	22,605	27,673	96,180
Rubber and plastics hoses and belting manufacturing	<1	1,235	1,742	6,285
Other rubber product manufacturing	<1	3,975	4,742	17,235
Pottery, ceramics, and plumbing fixture manufacturing	<1	11	22	101
Brick, tile, and other structural clay product manufacturing	<1	1,270	2,476	5,089
Flat glass manufacturing	<1	257	591	1,174
Other pressed and blown glass and glassware manufacturing	<1	1,872	3,537	7,336
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	2,268	4,750	10,651
Cement manufacturing	<1	1,555	4,289	10,113
Ready-mix concrete manufacturing	<1	9,448	17,667	53,549
Concrete block and brick manufacturing	<1	1,585	3,281	8,670
Concrete pipe manufacturing	<1	461	883	2,487



## Appendix

Other concrete product manufacturing	<1	3,625	6,052	15,104
Lime manufacturing	<1	525	1,369	3,288
Gypsum product manufacturing	<1	2,567	9,062	21,320
Abrasive product manufacturing	<1	851	2,225	3,642
Cut stone and stone product manufacturing	<1	2,847	4,047	9,379
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	800	2,646	5,441
Miscellaneous nonmetallic mineral products manufacturing	<1	42	116	234
Iron and steel mills and ferroalloy manufacturing	<1	4,062	14,125	62,897
Iron, steel pipe and tube manufacturing from purchased steel	<1	203	609	2,242
Rolled steel shape manufacturing	<1	374	1,846	6,586
Steel wire drawing	<1	38	101	362
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	4,759	13,551	41,905
Other aluminum rolling, drawing and extruding	<1	259	464	1,905
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	682	1,879	12,585
Nonferrous metal, except copper and aluminum, shaping	<1	204	281	989
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	422	903	1,779
Nonferrous metal foundries	<1	1,372	2,182	4,953
Custom roll forming	<1	21	31	258
Crown and closure manufacturing and metal stamping	<1	608	800	2,434
Iron and steel forging	<1	54	75	349
Nonferrous forging	<1	2	3	16
Cutlery, utensil, pot, and pan manufacturing	<1	374	828	2,763
Handtool manufacturing	<1	1,692	2,764	6,442
Prefabricated metal buildings and components manufacturing	<1	1,403	2,122	7,560

## Appendix

Fabricated structural metal manufacturing	<1	4,496	6,859	25,457
Plate work manufacturing	<1	872	1,001	3,297
Metal window and door manufacturing	<1	3,499	4,929	14,465
Sheet metal work manufacturing	<1	1,825	2,517	7,464
Ornamental and architectural metal work manufacturing	<1	1,129	1,391	4,417
Power boiler and heat exchanger manufacturing	<1	13	19	64
Metal tank (heavy gauge) manufacturing	<1	142	177	559
Metal cans manufacturing	<1	411	789	4,596
Metal barrels, drums and pails manufacturing	<1	116	155	753
Hardware manufacturing	<1	793	1,190	4,338
Spring and wire product manufacturing	<1	895	1,192	4,228
Machine shops	<1	9,496	11,323	25,373
Turned product and screw, nut, and bolt manufacturing	<1	686	889	2,727
Metal heat treating	<1	295	393	1,188
Metal coating and nonprecious engraving	<1	677	1,215	3,991
Electroplating, anodizing, and coloring metal	<1	359	393	922
Valve and fittings, other than plumbing, manufacturing	<1	2,399	3,619	11,406
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	203	335	1,176
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	289	327	772
Small arms, ordnance, and accessories manufacturing	<1	279	592	1,744
Fabricated pipe and pipe fitting manufacturing	<1	25	31	107
Other fabricated metal manufacturing	<1	1,478	1,985	6,459
Farm machinery and equipment manufacturing	<1	3,252	7,148	21,598
Lawn and garden equipment manufacturing	<1	23	47	174
Construction machinery manufacturing	<1	1,001	2,832	6,626
Mining machinery and equipment manufacturing	0	0	0	0

Appendix

Oil and gas field machinery and equipment manufacturing	<1	104	142	356
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	7	9	28
Sawmill, woodworking, and paper machinery	<1	20	24	76
Printing machinery and equipment manufacturing	<1	10	12	41
All other industrial machinery manufacturing	<1	44	61	176
Optical instrument and lens manufacturing	<1	109	177	536
Photographic and photocopying equipment manufacturing	<1	16	21	81
Other commercial service industry machinery manufacturing	<1	181	343	1,243
Air purification and ventilation equipment manufacturing	<1	173	247	655
Heating equipment (except warm air furnaces) manufacturing	<1	675	1,222	3,521
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,944	3,882	11,549
Industrial mold manufacturing	<1	508	660	1,459
Special tool, die, jig, and fixture manufacturing	<1	112	164	294
Cutting tool and machine tool accessory manufacturing	<1	164	202	505
Machine tool manufacturing	<1	51	71	220
Rolling mill and other metalworking machinery manufacturing	<1	43	64	149
Turbine and turbine generator set units manufacturing	<1	42	48	176
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,015	1,618	3,368
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	3,617	9,344	23,571
Pump and pumping equipment manufacturing	<1	60	119	352
Air and gas compressor manufacturing	<1	3	4	17
Elevator and moving stairway manufacturing	<1	<1	1	5

Appendix

Conveyor and conveying equipment manufacturing	<1	159	188	526
Overhead cranes, hoists, and monorail systems manufacturing	<1	24	51	181
Industrial truck, trailer, and stacker manufacturing	<1	249	479	1,515
Power-driven handtool manufacturing	<1	6	19	43
Welding and soldering equipment manufacturing	<1	72	124	308
Packaging machinery manufacturing	<1	36	61	146
Industrial process furnace and oven manufacturing	<1	14	18	38
Fluid power cylinder and actuator manufacturing	<1	1,073	1,687	4,319
Fluid power pump and motor manufacturing	<1	208	395	1,151
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	73	97	298
Electronic computer manufacturing	<1	35	46	293
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	9,899	12,474	37,186
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	56	63	207
Other communications equipment manufacturing	<1	87	107	375
Audio and video equipment manufacturing	<1	27	36	260
Printed circuit assembly (electronic assembly) manufacturing	<1	4	5	25
Bare printed circuit board manufacturing	<1	34	39	128
Semiconductor and related device manufacturing	<1	87	109	459
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	139	155	649
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	161	179	699

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	22	26	81
Search, detection, and navigation instruments manufacturing	<1	117	136	414
Automatic environmental control manufacturing	<1	189	216	577
Industrial process variable instruments manufacturing	<1	176	202	681
Totalizing fluid meter and counting device manufacturing	<1	79	110	349
Electricity and signal testing instruments manufacturing	<1	<1	<1	1
Analytical laboratory instrument manufacturing	<1	3	3	11
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	8	9	43
Blank magnetic and optical recording media manufacturing	<1	21	46	402
Software and other prerecorded and record reproducing	<1	12	15	57
Electric lamp bulb and part manufacturing	<1	809	1,158	3,133
Lighting fixture manufacturing	<1	1,330	1,608	5,588
Small electrical appliance manufacturing	<1	100	181	743
Household cooking appliance manufacturing	<1	1,376	2,676	11,050
Household refrigerator and home freezer manufacturing	<1	1,733	3,174	11,992
Household laundry equipment manufacturing	<1	5,221	7,572	34,420
Other major household appliance manufacturing	<1	797	1,640	5,632
Power, distribution, and specialty transformer manufacturing	<1	5	7	25
Motor and generator manufacturing	<1	321	502	2,058
Switchgear and switchboard apparatus manufacturing	<1	294	445	1,267
Relay and industrial control manufacturing	<1	27	33	117
Storage battery manufacturing	<1	3,077	4,386	15,740
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	55	73	389

## Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	119	201	670
Carbon and graphite product manufacturing	<1	235	318	1,215
All other miscellaneous electrical equipment and component manufacturing	<1	30	33	119
Automobile manufacturing	<1	73	160	1,110
Light truck and utility vehicle manufacturing	<1	22	49	493
Heavy duty truck manufacturing	<1	230	377	2,675
Motor vehicle body manufacturing	<1	912	1,087	4,331
Truck trailer manufacturing	<1	54	62	280
Motor home manufacturing	<1	17,862	25,610	101,605
Travel trailer and camper manufacturing	<1	11,820	13,368	67,152
Motor vehicle gasoline engine and engine parts manufacturing	<1	633	848	5,020
Motor vehicle electrical and electronic equipment manufacturing	<1	4,181	5,045	27,035
Motor vehicle transmission and power train parts manufacturing	<1	1,992	2,508	15,044
Motor vehicle seating and interior trim manufacturing	<1	34	39	245
Motor vehicle metal stamping	<1	7,708	8,828	38,585
Other motor vehicle parts manufacturing	<1	5,472	6,574	35,327
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	462	589	3,327
Aircraft manufacturing	<1	2	3	9
Aircraft engine and engine parts manufacturing	<1	34	73	186
Other aircraft parts and auxiliary equipment manufacturing	<1	62	83	186
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	17	19	86
Ship building and repairing	0	0	0	0
Boat building	<1	222	313	1,119
Motorcycle, bicycle, and parts manufacturing	<1	70	193	464

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,948	3,641	15,921
Wood kitchen cabinet and countertop manufacturing	<1	3,213	4,247	10,481
Upholstered household furniture manufacturing	<1	8	9	47
Nonupholstered wood household furniture manufacturing	<1	181	213	684
Other household nonupholstered furniture manufacturing	<1	17	30	176
Institutional furniture manufacturing	<1	20	22	78
Wood office furniture manufacturing	<1	13	17	45
Custom architectural woodwork and millwork	<1	62	62	181
Office furniture, except wood, manufacturing	<1	2,112	3,728	12,131
Showcase, partition, shelving, and locker manufacturing	<1	164	230	753
Mattress manufacturing	<1	216	397	1,684
Blind and shade manufacturing	<1	27	27	100
Surgical and medical instrument manufacturing	<1	314	423	842
Surgical appliance and supplies manufacturing	<1	728	1,179	2,504
Dental equipment and supplies manufacturing	<1	4	6	10
Ophthalmic goods manufacturing	<1	168	271	554
Dental laboratories	<1	748	820	1,366
Jewelry and silverware manufacturing	<1	576	964	2,989
Sporting and athletic goods manufacturing	<1	1,718	2,309	6,495
Doll, toy, and game manufacturing	<1	421	644	2,020
Office supplies (except paper) manufacturing	<1	467	656	1,653
Sign manufacturing	<1	4,497	4,405	8,809
Gasket, packing, and sealing device manufacturing	<1	458	510	1,128
Musical instrument manufacturing	<1	205	220	484
Fasteners, buttons, needles, and pins manufacturing	<1	12	14	30

## Appendix

Broom, brush, and mop manufacturing	<1	2,512	3,378	7,140
Burial casket manufacturing	<1	633	871	1,450
All other miscellaneous manufacturing	<1	1,858	2,436	5,460
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	30,693	63,598	155,063
Wholesale - Professional and commercial equipment and supplies	<1	74,478	113,262	210,914
Wholesale - Household appliances and electrical and electronic goods	<1	34,759	79,634	192,902
Wholesale - Machinery, equipment, and supplies	<1	73,155	133,471	252,193
Wholesale - Other durable goods merchant wholesalers	<1	76,936	132,341	290,900
Wholesale - Drugs and druggistsâ€™ sundries	<1	50,341	120,916	253,356
Wholesale - Grocery and related product wholesalers	<1	59,219	86,915	177,844
Wholesale - Petroleum and petroleum products	<1	13,570	152,492	203,528
Wholesale - Other nondurable goods merchant wholesalers	2	194,087	378,292	745,593
Wholesale - Wholesale electronic markets and agents and brokers	<1	35,316	39,865	47,779
Retail - Motor vehicle and parts dealers	2	115,397	153,953	225,863
Retail - Furniture and home furnishings stores	1	46,947	62,191	112,123
Retail - Electronics and appliance stores	1	56,083	48,058	88,583
Retail - Building material and garden equipment and supplies stores	1	67,603	123,036	182,842
Retail - Food and beverage stores	6	180,115	256,049	472,689
Retail - Health and personal care stores	2	85,303	108,804	176,338
Retail - Gasoline stores	2	50,154	116,554	260,079
Retail - Clothing and clothing accessories stores	2	53,801	83,025	194,344
Retail - Sporting goods, hobby, musical instrument and book stores	2	56,132	69,485	118,015
Retail - General merchandise stores	5	160,474	217,035	400,254
Retail - Miscellaneous store retailers	4	112,331	111,756	199,964
Retail - Nonstore retailers	5	87,868	442,754	850,028
Air transportation	<1	12,443	34,555	77,016



## Appendix

Rail transportation	<1	19,854	104,363	140,802
Water transportation	<1	2,756	5,270	29,814
Truck transportation	3	235,310	335,290	684,447
Transit and ground passenger transportation	1	28,009	34,774	58,468
Pipeline transportation	<1	18,182	41,801	78,163
Scenic and sightseeing transportation and support activities for transportation	2	162,486	142,471	233,521
Couriers and messengers	2	66,622	124,871	152,325
Warehousing and storage	3	170,701	182,732	335,075
Newspaper publishers	<1	31,365	57,995	92,973
Periodical publishers	<1	44,264	68,608	110,232
Book publishers	<1	10,350	32,477	63,263
Directory, mailing list, and other publishers	<1	7,009	19,662	37,867
Greeting card publishing	0	0	0	0
Software publishers	2	307,624	691,968	921,285
Motion picture and video industries	<1	14,071	22,490	93,444
Sound recording industries	<1	1,218	7,033	21,072
Radio and television broadcasting	<1	57,440	104,174	380,312
Cable and other subscription programming	<1	6,330	54,485	160,550
Wired telecommunications carriers	<1	77,832	184,493	348,872
Wireless telecommunications carriers (except satellite)	<1	14,826	125,438	303,526
Satellite, telecommunications resellers, and all other telecommunications	<1	12,404	16,150	36,432
Data processing, hosting, and related services	1	158,202	371,287	972,707
News syndicates, libraries, archives and all other information services	<1	5,395	8,798	23,508
Internet publishing and broadcasting and web search portals	<1	44,976	134,368	671,586
Nondepository credit intermediation and related activities	2	217,962	230,109	339,488
Securities and commodity contracts intermediation and brokerage	3	129,135	96,938	303,946
Monetary authorities and depository credit intermediation	8	799,197	2,243,151	3,485,148

## Appendix

Other financial investment activities	3	114,997	129,200	481,257
Direct life insurance carriers	<1	80,059	292,522	329,104
Insurance carriers, except direct life	1	127,900	910,978	1,253,081
Insurance agencies, brokerages, and related activities	1	112,619	314,267	558,634
Funds, trusts, and other financial vehicles	1	68,467	58,471	267,789
Other real estate	25	362,623	1,705,242	4,871,902
Tenant-occupied housing	2	25,402	482,280	530,122
Owner-occupied dwellings	0	0	2,388,065	2,881,999
Automotive equipment rental and leasing	<1	18,301	77,472	102,849
General and consumer goods rental except video tapes and discs	<1	26,966	52,132	79,618
Video tape and disc rental	<1	8,141	13,648	22,381
Commercial and industrial machinery and equipment rental and leasing	<1	28,649	98,855	129,094
Lessors of nonfinancial intangible assets	<1	2,952	101,026	107,354
Legal services	8	642,983	1,019,277	1,549,358
Accounting, tax preparation, bookkeeping, and payroll services	3	202,167	253,189	413,737
Architectural, engineering, and related services	3	302,958	332,055	611,619
Specialized design services	<1	11,108	18,743	38,362
Custom computer programming services	1	93,633	98,554	142,095
Computer systems design services	<1	70,033	66,611	89,027
Other computer related services, including facilities management	<1	39,852	53,764	102,828
Management consulting services	9	741,674	768,397	1,309,101
Environmental and other technical consulting services	<1	73,899	82,134	143,366
Scientific research and development services	240	19,604,756	28,401,656	57,526,867
Advertising, public relations, and related services	2	166,067	262,765	616,407
Photographic services	<1	6,175	15,441	37,700
Veterinary services	<1	30,287	33,991	55,181
Marketing research and all other miscellaneous professional, scientific, and technical services	2	180,134	299,951	683,847
Management of companies and enterprises	12	1,611,802	1,756,325	2,901,452

## Appendix

Office administrative services	3	242,300	78,937	229,654
Facilities support services	<1	28,248	37,482	92,591
Employment services	21	1,084,325	1,475,736	2,485,507
Business support services	3	147,180	126,933	229,233
Travel arrangement and reservation services	<1	23,786	37,648	134,427
Investigation and security services	1	59,285	61,175	90,395
Services to buildings	4	132,493	187,014	400,234
Landscape and horticultural services	2	76,738	95,404	188,605
Other support services	<1	36,739	46,778	100,523
Waste management and remediation services	<1	51,622	84,617	190,962
Elementary and secondary schools	2	67,846	54,771	71,921
Junior colleges, colleges, universities, and professional schools	11	420,168	524,763	778,128
Other educational services	2	118,761	131,564	245,605
Offices of physicians	5	587,307	589,668	826,522
Offices of dentists	2	143,093	169,260	225,503
Offices of other health practitioners	2	89,661	132,926	170,968
Outpatient care centers	1	75,140	73,931	122,431
Medical and diagnostic laboratories	<1	17,286	27,276	37,969
Home health care services	1	78,032	77,453	97,795
Other ambulatory health care services	<1	37,007	43,218	66,688
Hospitals	8	687,126	814,121	1,583,104
Nursing and community care facilities	4	214,921	227,323	381,118
Residential mental retardation, mental health, substance abuse and other facilities	2	103,041	105,714	155,613
Individual and family services	7	216,737	181,871	266,331
Child day care services	3	85,248	101,125	153,436
Community food, housing, and other relief services, including rehabilitation services	2	58,511	54,877	127,726
Performing arts companies	<1	12,773	24,135	56,806
Commercial Sports Except Racing	1	24,719	23,929	50,697
Racing and Track Operation	<1	2,449	4,078	9,202
Independent artists, writers, and performers	<1	8,374	29,381	50,994

## Appendix

Promoters of performing arts and sports and agents for public figures	1	21,174	62,508	173,427
Museums, historical sites, zoos, and parks	<1	7,690	9,668	18,767
Amusement parks and arcades	<1	3,652	10,357	11,877
Gambling industries (except casino hotels)	<1	26,819	110,561	142,610
Other amusement and recreation industries	<1	23,576	30,604	42,931
Fitness and recreational sports centers	<1	16,102	29,850	45,762
Bowling centers	<1	3,562	6,415	10,300
Hotels and motels, including casino hotels	<1	15,640	31,889	50,290
Other accommodations	<1	3,294	4,139	5,652
Full-service restaurants	10	257,848	378,400	825,443
Limited-service restaurants	9	205,518	325,588	822,699
All other food and drinking places	7	204,713	298,900	529,044
Automotive repair and maintenance, except car washes	4	239,605	287,090	414,422
Car washes	2	128,024	178,719	273,683
Electronic and precision equipment repair and maintenance	<1	46,343	62,738	105,672
Commercial and industrial machinery and equipment repair and maintenance	1	106,104	117,627	185,036
Personal and household goods repair and maintenance	<1	21,378	41,519	59,488
Personal care services	2	46,671	37,419	44,648
Death care services	<1	25,451	22,502	30,270
Dry-cleaning and laundry services	1	34,637	28,752	35,711
Other personal services	2	55,038	73,872	103,352
Religious organizations	4	201,672	140,721	357,749
Grantmaking, giving, and social advocacy organizations	<1	44,322	168,532	239,503
Business and professional associations	<1	52,275	98,555	161,066
Labor and civic organizations	1	25,778	95,378	169,649
Private households	1	15,626	15,626	15,626
Postal service	1	109,630	110,574	110,619
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,501	-61,842	1,572
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	20,601	3,702	16,198
Local government electric utilities	<1	14,294	41,914	96,302
Other local government enterprises	<1	63,375	107,807	304,647
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	1,139,376	1,587,495	2,905,079

## Moon to Mars Campaign

**Table 671: Detailed M2M Campaign Impacts by Types of Impact, Iowa**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	3	173,749	270,923	516,280
Oilseed farming	<1	1,071	3,994	9,254
Grain farming	<1	277	920	2,814
Vegetable and melon farming	<1	5	9	24
Fruit farming	<1	3	4	10
Tree nut farming	<1	0	<1	<1
Greenhouse, nursery, and floriculture production	<1	9	17	53
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	7	12	37
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	70	179	642
Dairy cattle and milk production	<1	31	68	462
Poultry and egg production	<1	18	40	632
Animal production, except cattle and poultry and eggs	<1	240	866	1,427
Forestry, forest products, and timber tract production	<1	4	4	5
Commercial logging	<1	6	7	12
Commercial fishing	<1	<1	4	4
Commercial hunting and trapping	<1	1	5	7
Support activities for agriculture and forestry	<1	77	80	87
Oil and gas extraction	<1	2	<1	409
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	23	49	96
Sand and gravel mining	<1	12	17	33
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	<1	<1	<1
Phosphate rock mining	<1	<1	<1	<1
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	1	2	3
Drilling oil and gas wells	0	0	0	0
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	0	0	1
Other nonmetallic minerals services	<1	0	0	<1
Electric power generation - Hydroelectric	<1	6	16	31

## Appendix

Electric power generation - Fossil fuel	<1	267	983	2,246
Electric power generation - Nuclear	<1	62	133	258
Electric power generation - Solar	<1	2	4	7
Electric power generation - Wind	<1	23	211	387
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2	6	16
Electric power generation - All other	<1	6	<1	3
Electric power transmission and distribution	<1	571	2,111	4,928
Natural gas distribution	<1	160	591	1,168
Water, sewage and other systems	<1	100	204	347
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	458	667	1,694
Maintenance and repair construction of residential structures	<1	184	258	632
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	33	94	301
Other animal food manufacturing	<1	46	89	578
Flour milling	<1	10	22	137

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	168	439	2,075
Soybean and other oilseed processing	<1	21	149	970
Fats and oils refining and blending	<1	1	3	18
Breakfast cereal manufacturing	<1	111	290	735
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	3
Chocolate and confectionery manufacturing from cacao beans	<1	3	5	17
Confectionery manufacturing from purchased chocolate	<1	9	14	55
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	37	53	190
Canned fruits and vegetables manufacturing	<1	10	21	64
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	14	21	202
Dry, condensed, and evaporated dairy product manufacturing	<1	40	106	435
Fluid milk manufacturing	<1	43	76	400
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	41	63	209
Frozen cakes and other pastries manufacturing	<1	25	36	75
Poultry processing	<1	63	82	335
Animal, except poultry, slaughtering	<1	298	377	2,873
Meat processed from carcasses	<1	104	101	721
Rendering and meat byproduct processing	<1	2	2	11
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	76	114	315
Cookie and cracker manufacturing	<1	46	71	209
Dry pasta, mixes, and dough manufacturing	<1	7	18	57
Tortilla manufacturing	<1	3	4	12



## Appendix

Roasted nuts and peanut butter manufacturing	<1	4	6	31
Other snack food manufacturing	<1	6	13	46
Coffee and tea manufacturing	<1	1	3	18
Flavoring syrup and concentrate manufacturing	<1	<1	5	8
Mayonnaise, dressing, and sauce manufacturing	<1	9	19	83
Spice and extract manufacturing	<1	28	51	203
All other food manufacturing	<1	40	59	218
Bottled and canned soft drinks & water	<1	29	55	231
Manufactured ice	<1	3	2	7
Breweries	<1	39	98	360
Wineries	<1	7	14	76
Distilleries	<1	8	44	105
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	1
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	0	0	<1
Textile and fabric finishing mills	<1	<1	<1	1
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	2	2	12
Curtain and linen mills	<1	0	<1	<1
Textile bag and canvas mills	<1	1	1	5
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	4	4	14
Hosiery and sock mills	<1	1	1	3
Other apparel knitting mills	<1	1	1	3
Cut and sew apparel contractors	<1	<1	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	1	1	3
Leather and hide tanning and finishing	<1	1	1	6
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	2

## Appendix

Sawmills	<1	6	8	43
Wood preservation	<1	<1	<1	2
Veneer and plywood manufacturing	<1	1	1	5
Engineered wood member and truss manufacturing	<1	8	9	33
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	95	100	309
Cut stock, resawing lumber, and planing	<1	<1	<1	2
Other millwork, including flooring	<1	4	5	17
Wood container and pallet manufacturing	<1	16	17	56
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	3	3	10
All other miscellaneous wood product manufacturing	<1	1	1	7
Pulp mills	0	0	0	0
Paper mills	<1	12	38	103
Paperboard mills	<1	4	13	37
Paperboard container manufacturing	<1	39	83	288
Paper bag and coated and treated paper manufacturing	<1	25	53	139
Stationery product manufacturing	<1	11	16	60
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	6	14	40
Printing	<1	631	1,156	2,080
Support activities for printing	<1	25	43	60
Petroleum refineries	<1	10	42	549
Asphalt paving mixture and block manufacturing	<1	7	9	29
Asphalt shingle and coating materials manufacturing	<1	2	5	11
Petroleum lubricating oil and grease manufacturing	<1	21	34	77
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	2	29	59
Industrial gas manufacturing	<1	10	40	105

## Appendix

Synthetic dye and pigment manufacturing	<1	2	6	12
Other basic inorganic chemical manufacturing	<1	4	11	25
Other basic organic chemical manufacturing	<1	23	74	369
Plastics material and resin manufacturing	<1	9	20	79
Synthetic rubber manufacturing	<1	0	<1	2
Artificial and synthetic fibers and filaments manufacturing	<1	0	0	2
Nitrogenous fertilizer manufacturing	<1	16	80	171
Phosphatic fertilizer manufacturing	<1	<1	<1	2
Fertilizer mixing	<1	<1	<1	2
Pesticide and other agricultural chemical manufacturing	<1	19	89	247
Medicinal and botanical manufacturing	<1	7	15	35
Pharmaceutical preparation manufacturing	<1	6	21	49
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	34	116	226
Paint and coating manufacturing	<1	5	13	48
Adhesive manufacturing	<1	<1	2	7
Soap and other detergent manufacturing	<1	2	7	34
Polish and other sanitation good manufacturing	<1	4	9	24
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	9	37	78
Printing ink manufacturing	<1	13	15	61
Explosives manufacturing	<1	<1	<1	<1
Custom compounding of purchased resins	<1	<1	<1	3
Photographic film and chemical manufacturing	<1	3	8	19
Other miscellaneous chemical product manufacturing	<1	3	6	18
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	13	18	61
Unlaminated plastics profile shape manufacturing	<1	3	5	20
Plastics pipe and pipe fitting manufacturing	<1	3	6	29

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3	4	14
Polystyrene foam product manufacturing	<1	4	6	23
Urethane and other foam product (except polystyrene) manufacturing	<1	3	5	21
Plastics bottle manufacturing	<1	6	9	46
Other plastics product manufacturing	<1	77	106	378
Tire manufacturing	<1	83	105	355
Rubber and plastics hoses and belting manufacturing	<1	4	5	21
Other rubber product manufacturing	<1	9	11	40
Pottery, ceramics, and plumbing fixture manufacturing	<1	0	<1	<1
Brick, tile, and other structural clay product manufacturing	<1	4	7	14
Flat glass manufacturing	<1	<1	2	4
Other pressed and blown glass and glassware manufacturing	<1	5	9	18
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	5	11	25
Cement manufacturing	<1	5	14	33
Ready-mix concrete manufacturing	<1	28	50	154
Concrete block and brick manufacturing	<1	5	10	28
Concrete pipe manufacturing	<1	2	3	8
Other concrete product manufacturing	<1	10	17	43
Lime manufacturing	<1	2	6	15
Gypsum product manufacturing	<1	7	24	58
Abrasive product manufacturing	<1	3	9	14
Cut stone and stone product manufacturing	<1	9	13	31
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	3	8	17
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	<1	<1
Iron and steel mills and ferroalloy manufacturing	<1	13	48	210
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	2	9

## Appendix

Rolled steel shape manufacturing	<1	1	7	24
Steel wire drawing	<1	<1	<1	2
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	20	54	169
Other aluminum rolling, drawing and extruding	<1	1	2	9
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1	5	39
Nonferrous metal, except copper and aluminum, shaping	<1	<1	<1	2
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	2	4	9
Nonferrous metal foundries	<1	5	7	17
Custom roll forming	<1	<1	<1	1
Crown and closure manufacturing and metal stamping	<1	2	3	9
Iron and steel forging	<1	<1	<1	<1
Nonferrous forging	<1	0	0	<1
Cutlery, utensil, pot, and pan manufacturing	<1	2	5	18
Handtool manufacturing	<1	13	21	48
Prefabricated metal buildings and components manufacturing	<1	5	7	25
Fabricated structural metal manufacturing	<1	11	17	63
Plate work manufacturing	<1	3	4	12
Metal window and door manufacturing	<1	16	23	65
Sheet metal work manufacturing	<1	6	9	25
Ornamental and architectural metal work manufacturing	<1	4	5	15
Power boiler and heat exchanger manufacturing	<1	0	0	<1
Metal tank (heavy gauge) manufacturing	<1	<1	<1	3
Metal cans manufacturing	<1	3	5	32
Metal barrels, drums and pails manufacturing	<1	<1	<1	4
Hardware manufacturing	<1	3	4	16
Spring and wire product manufacturing	<1	3	4	13

Appendix

Machine shops	<1	33	39	87
Turned product and screw, nut, and bolt manufacturing	<1	6	7	23
Metal heat treating	<1	4	6	17
Metal coating and nonprecious engraving	<1	3	6	19
Electroplating, anodizing, and coloring metal	<1	2	2	4
Valve and fittings, other than plumbing, manufacturing	<1	9	13	41
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	<1	1	4
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	1	1	3
Small arms, ordnance, and accessories manufacturing	<1	1	3	7
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	<1
Other fabricated metal manufacturing	<1	7	9	29
Farm machinery and equipment manufacturing	<1	7	17	49
Lawn and garden equipment manufacturing	<1	<1	<1	<1
Construction machinery manufacturing	<1	2	7	15
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	0	0	<1
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	1	2	7

## Appendix

Air purification and ventilation equipment manufacturing	<1	<1	<1	2
Heating equipment (except warm air furnaces) manufacturing	<1	13	24	63
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	14	29	84
Industrial mold manufacturing	<1	1	2	4
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1
Cutting tool and machine tool accessory manufacturing	<1	<1	<1	2
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	<1
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3	6	13
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	12	32	80
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	0	0	<1
Conveyor and conveying equipment manufacturing	<1	<1	<1	1
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	1	2	6
Power-driven handtool manufacturing	<1	0	0	<1
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	0	0	<1
Fluid power cylinder and actuator manufacturing	<1	4	6	16
Fluid power pump and motor manufacturing	<1	<1	1	5

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	1
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	2
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	<1	<1	4
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	<1	<1	<1
Semiconductor and related device manufacturing	<1	<1	<1	2
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	<1	3
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	1	4
Electromedical and electrotherapeutic apparatus manufacturing	<1	0	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	2
Automatic environmental control manufacturing	<1	1	1	2
Industrial process variable instruments manufacturing	<1	<1	<1	3
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	0	<1	<1
Blank magnetic and optical recording media manufacturing	<1	<1	<1	3
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	5	7	18
Lighting fixture manufacturing	<1	7	9	30
Small electrical appliance manufacturing	<1	<1	<1	4
Household cooking appliance manufacturing	<1	5	11	41
Household refrigerator and home freezer manufacturing	<1	7	13	46
Household laundry equipment manufacturing	<1	19	29	130
Other major household appliance manufacturing	<1	5	11	40
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	1	2	8
Switchgear and switchboard apparatus manufacturing	<1	<1	1	4
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	<1	12	17	61
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	<1	<1	1
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	<1	<1	4
Carbon and graphite product manufacturing	<1	<1	<1	2
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	<1	<1	5
Light truck and utility vehicle manufacturing	<1	<1	<1	2
Heavy duty truck manufacturing	<1	<1	2	9
Motor vehicle body manufacturing	<1	4	4	18
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	<1	51	74	284
Travel trailer and camper manufacturing	<1	42	47	236

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	2	3	19
Motor vehicle electrical and electronic equipment manufacturing	<1	17	21	106
Motor vehicle transmission and power train parts manufacturing	<1	9	12	66
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	<1
Motor vehicle metal stamping	<1	11	13	57
Other motor vehicle parts manufacturing	<1	20	24	127
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2	2	12
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	0	<1	<1
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	0	0	0	0
Boat building	<1	<1	1	4
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7	12	51
Wood kitchen cabinet and countertop manufacturing	<1	13	17	41
Upholstered household furniture manufacturing	<1	0	0	<1
Nonupholstered wood household furniture manufacturing	<1	<1	1	3
Other household nonupholstered furniture manufacturing	<1	<1	<1	<1
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	13	20	70
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	3
Mattress manufacturing	<1	<1	2	7
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	2	2	4
Surgical appliance and supplies manufacturing	<1	4	6	12
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	1	3
Dental laboratories	<1	4	4	7
Jewelry and silverware manufacturing	<1	3	4	13
Sporting and athletic goods manufacturing	<1	8	11	29
Doll, toy, and game manufacturing	<1	2	4	11
Office supplies (except paper) manufacturing	<1	5	7	16
Sign manufacturing	<1	25	24	48
Gasket, packing, and sealing device manufacturing	<1	2	2	4
Musical instrument manufacturing	<1	1	1	3
Fasteners, buttons, needles, and pins manufacturing	<1	0	<1	<1
Broom, brush, and mop manufacturing	<1	16	24	47
Burial casket manufacturing	<1	2	3	4
All other miscellaneous manufacturing	<1	8	10	23
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	132	275	671
Wholesale - Professional and commercial equipment and supplies	<1	336	514	951
Wholesale - Household appliances and electrical and electronic goods	<1	142	326	789
Wholesale - Machinery, equipment, and supplies	<1	261	476	899
Wholesale - Other durable goods merchant wholesalers	<1	341	587	1,291

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	207	497	1,030
Wholesale - Grocery and related product wholesalers	<1	375	549	1,122
Wholesale - Petroleum and petroleum products	<1	55	715	933
Wholesale - Other nondurable goods merchant wholesalers	<1	1,002	2,022	3,908
Wholesale - Wholesale electronic markets and agents and brokers	<1	174	195	234
Retail - Motor vehicle and parts dealers	<1	477	638	932
Retail - Furniture and home furnishings stores	<1	206	273	489
Retail - Electronics and appliance stores	<1	247	213	385
Retail - Building material and garden equipment and supplies stores	<1	291	531	785
Retail - Food and beverage stores	<1	805	1,145	2,100
Retail - Health and personal care stores	<1	371	474	761
Retail - Gasoline stores	<1	221	501	1,094
Retail - Clothing and clothing accessories stores	<1	238	365	841
Retail - Sporting goods, hobby, musical instrument and book stores	<1	248	307	515
Retail - General merchandise stores	<1	685	930	1,699
Retail - Miscellaneous store retailers	<1	492	491	865
Retail - Nonstore retailers	<1	379	1,953	3,740
Air transportation	<1	67	188	415
Rail transportation	<1	83	392	559
Water transportation	<1	8	16	86
Truck transportation	<1	1,092	1,549	3,141
Transit and ground passenger transportation	<1	173	215	342
Pipeline transportation	<1	71	179	342
Scenic and sightseeing transportation and support activities for transportation	<1	520	450	738
Couriers and messengers	<1	468	868	1,057
Warehousing and storage	<1	829	892	1,624
Newspaper publishers	<1	197	395	603
Periodical publishers	<1	378	661	970
Book publishers	<1	89	319	579

## Appendix

Directory, mailing list, and other publishers	<1	50	148	284
Greeting card publishing	0	0	0	0
Software publishers	<1	1,698	4,066	5,360
Motion picture and video industries	<1	84	136	532
Sound recording industries	<1	12	71	203
Radio and television broadcasting	<1	347	633	2,150
Cable and other subscription programming	<1	41	364	1,016
Wired telecommunications carriers	<1	460	1,131	2,096
Wireless telecommunications carriers (except satellite)	<1	70	652	1,502
Satellite, telecommunications resellers, and all other telecommunications	<1	85	109	247
Data processing, hosting, and related services	<1	509	1,191	3,074
News syndicates, libraries, archives and all other information services	<1	25	41	107
Internet publishing and broadcasting and web search portals	<1	1,703	4,825	31,706
Nondepository credit intermediation and related activities	<1	936	991	1,432
Securities and commodity contracts intermediation and brokerage	<1	565	411	1,196
Monetary authorities and depository credit intermediation	<1	2,549	7,596	11,419
Other financial investment activities	<1	578	645	2,191
Direct life insurance carriers	<1	323	1,194	1,329
Insurance carriers, except direct life	<1	536	3,832	5,167
Insurance agencies, brokerages, and related activities	<1	460	1,277	2,254
Funds, trusts, and other financial vehicles	<1	333	296	1,203
Other real estate	<1	1,617	7,391	20,396
Tenant-occupied housing	<1	114	2,212	2,416
Owner-occupied dwellings	0	0	10,483	12,651
Automotive equipment rental and leasing	<1	70	304	395

## Appendix

General and consumer goods rental except video tapes and discs	<1	222	426	643
Video tape and disc rental	<1	34	58	95
Commercial and industrial machinery and equipment rental and leasing	<1	226	775	1,009
Lessors of nonfinancial intangible assets	<1	9	323	342
Legal services	<1	1,575	2,561	3,839
Accounting, tax preparation, bookkeeping, and payroll services	<1	805	1,024	1,643
Architectural, engineering, and related services	<1	680	750	1,371
Specialized design services	<1	50	87	173
Custom computer programming services	<1	1,345	1,412	2,031
Computer systems design services	<1	413	394	522
Other computer related services, including facilities management	<1	234	315	598
Management consulting services	<1	1,829	1,899	3,178
Environmental and other technical consulting services	<1	237	266	457
Scientific research and development services	<1	37,161	53,740	106,157
Advertising, public relations, and related services	<1	1,026	1,647	3,771
Photographic services	<1	23	59	139
Veterinary services	<1	123	140	224
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	381	629	1,450
Management of companies and enterprises	<1	4,132	4,530	7,390
Office administrative services	<1	1,071	375	1,007
Facilities support services	<1	9	13	33
Employment services	<1	3,320	4,605	7,454
Business support services	<1	517	452	790
Travel arrangement and reservation services	<1	86	137	466
Investigation and security services	<1	246	255	369
Services to buildings	<1	612	882	1,824
Landscape and horticultural services	<1	353	445	857
Other support services	<1	207	267	560
Waste management and remediation services	<1	200	327	734

## Appendix

Elementary and secondary schools	<1	343	276	358
Junior colleges, colleges, universities, and professional schools	1	47,257	58,491	87,914
Other educational services	<1	467	520	959
Offices of physicians	<1	2,531	2,547	3,562
Offices of dentists	<1	624	750	993
Offices of other health practitioners	<1	376	576	735
Outpatient care centers	<1	341	337	559
Medical and diagnostic laboratories	<1	77	126	173
Home health care services	<1	352	351	444
Other ambulatory health care services	<1	161	191	293
Hospitals	<1	3,286	3,919	7,614
Nursing and community care facilities	<1	1,003	1,062	1,752
Residential mental retardation, mental health, substance abuse and other facilities	<1	520	534	775
Individual and family services	<1	1,040	884	1,282
Child day care services	<1	389	478	714
Community food, housing, and other relief services, including rehabilitation services	<1	298	281	639
Performing arts companies	<1	64	120	267
Commercial Sports Except Racing	<1	132	133	274
Racing and Track Operation	<1	12	19	42
Independent artists, writers, and performers	<1	43	145	246
Promoters of performing arts and sports and agents for public figures	<1	107	303	794
Museums, historical sites, zoos, and parks	<1	37	46	87
Amusement parks and arcades	<1	20	55	63
Gambling industries (except casino hotels)	<1	123	511	653
Other amusement and recreation industries	<1	107	138	192
Fitness and recreational sports centers	<1	80	148	221
Bowling centers	<1	15	28	44
Hotels and motels, including casino hotels	<1	91	181	284
Other accommodations	<1	17	22	29

## Appendix

Full-service restaurants	<1	1,162	1,698	3,671
Limited-service restaurants	<1	901	1,418	3,521
All other food and drinking places	<1	831	1,200	2,094
Automotive repair and maintenance, except car washes	<1	1,095	1,277	1,840
Car washes	<1	553	770	1,174
Electronic and precision equipment repair and maintenance	<1	192	263	434
Commercial and industrial machinery and equipment repair and maintenance	<1	506	557	865
Personal and household goods repair and maintenance	<1	98	178	258
Personal care services	<1	207	151	183
Death care services	<1	121	99	134
Dry-cleaning and laundry services	<1	163	124	156
Other personal services	<1	203	265	372
Religious organizations	<1	1,025	632	1,717
Grantmaking, giving, and social advocacy organizations	<1	238	798	1,155
Business and professional associations	<1	214	369	607
Labor and civic organizations	<1	132	429	783
Private households	<1	72	72	72
Postal service	<1	690	696	696
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	17	-321	8
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	111	11	69
Local government electric utilities	<1	59	159	365
Other local government enterprises	<1	366	520	1,579
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	15,835	19,748	36,139

## Investments in Climate Change Research and Technology

**Table 672: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	32	2,066,733	3,435,000	6,694,710
Oilseed farming	<1	6,831	20,497	44,771
Grain farming	<1	3,329	7,391	32,111
Vegetable and melon farming	<1	55	96	285
Fruit farming	<1	30	50	113
Tree nut farming	<1	<1	<1	2
Greenhouse, nursery, and floriculture production	<1	129	230	760
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	119	196	640
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	1,348	2,746	11,047
Dairy cattle and milk production	<1	275	532	4,162
Poultry and egg production	<1	270	534	9,827
Animal production, except cattle and poultry and eggs	<1	4,206	11,644	19,631
Forestry, forest products, and timber tract production	<1	45	52	70

## Appendix

Commercial logging	<1	114	128	221
Commercial fishing	<1	<1	53	54
Commercial hunting and trapping	<1	11	73	110
Support activities for agriculture and forestry	<1	1,458	1,493	1,607
Oil and gas extraction	<1	53	13	6,696
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	344	820	1,603
Sand and gravel mining	<1	210	312	639
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	5	6	12
Phosphate rock mining	<1	2	3	6
Other chemical and fertilizer mineral mining	<1	1	2	3
Other nonmetallic minerals	<1	25	37	74
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	<1	<1	33
Other nonmetallic minerals services	<1	<1	<1	5
Electric power generation - Hydroelectric	<1	57	145	275
Electric power generation - Fossil fuel	<1	2,492	10,710	24,490
Electric power generation - Nuclear	<1	619	1,388	2,772
Electric power generation - Solar	<1	16	41	73
Electric power generation - Wind	<1	470	4,647	8,755
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	15	49	129
Electric power generation - All other	<1	63	5	44
Electric power transmission and distribution	<1	6,634	26,694	62,973

## Appendix

Natural gas distribution	<1	1,132	4,326	8,763
Water, sewage and other systems	<1	641	1,470	2,657
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	5,606	7,926	20,996
Maintenance and repair construction of residential structures	<1	2,262	3,080	7,846
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	2	6
Dog and cat food manufacturing	<1	501	1,385	4,671
Other animal food manufacturing	<1	744	1,354	9,114
Flour milling	<1	135	303	1,798
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	1,953	4,357	25,263
Soybean and other oilseed processing	<1	238	1,625	11,382
Fats and oils refining and blending	<1	7	18	116
Breakfast cereal manufacturing	<1	1,048	2,745	7,604
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2	3	31

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	20	30	113
Confectionery manufacturing from purchased chocolate	<1	83	124	500
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	414	588	2,115
Canned fruits and vegetables manufacturing	<1	90	182	565
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	106	158	1,435
Dry, condensed, and evaporated dairy product manufacturing	<1	302	781	3,316
Fluid milk manufacturing	<1	293	489	2,654
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	319	469	1,645
Frozen cakes and other pastries manufacturing	<1	190	278	588
Poultry processing	<1	1,278	1,591	6,527
Animal, except poultry, slaughtering	<1	2,968	3,666	27,451
Meat processed from carcasses	<1	1,383	1,328	9,604
Rendering and meat byproduct processing	<1	24	24	146
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	587	872	2,426
Cookie and cracker manufacturing	<1	376	545	1,856
Dry pasta, mixes, and dough manufacturing	<1	75	185	561
Tortilla manufacturing	<1	40	55	169
Roasted nuts and peanut butter manufacturing	<1	49	60	346
Other snack food manufacturing	<1	74	160	579
Coffee and tea manufacturing	<1	9	18	111
Flavoring syrup and concentrate manufacturing	<1	9	76	120
Mayonnaise, dressing, and sauce manufacturing	<1	78	160	675
Spice and extract manufacturing	<1	180	305	1,245
All other food manufacturing	<1	439	643	2,367
Bottled and canned soft drinks & water	<1	453	825	3,491
Manufactured ice	<1	33	24	102

## Appendix

Breweries	<1	232	541	2,030
Wineries	<1	77	151	830
Distilleries	<1	79	378	955
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	2	16
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	1	1	8
Textile and fabric finishing mills	<1	2	3	13
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	29	34	188
Curtain and linen mills	<1	1	2	7
Textile bag and canvas mills	<1	23	24	84
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	44	46	163
Hosiery and sock mills	<1	20	18	49
Other apparel knitting mills	<1	21	18	51
Cut and sew apparel contractors	<1	1	2	3
Men's and boys' cut and sew apparel manufacturing	<1	3	3	10
Women's and girls' cut and sew apparel manufacturing	<1	4	3	17
Other cut and sew apparel manufacturing	<1	3	3	11
Apparel accessories and other apparel manufacturing	<1	15	12	40
Leather and hide tanning and finishing	<1	11	8	51
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	8	8	25
Sawmills	<1	126	161	863
Wood preservation	<1	5	8	54
Veneer and plywood manufacturing	<1	33	41	138
Engineered wood member and truss manufacturing	<1	176	204	701
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	1,655	1,771	5,574
Cut stock, resawing lumber, and planing	<1	4	6	29

## Appendix

Other millwork, including flooring	<1	63	73	264
Wood container and pallet manufacturing	<1	228	245	813
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	42	47	155
All other miscellaneous wood product manufacturing	<1	17	19	100
Pulp mills	0	0	0	0
Paper mills	<1	151	619	1,412
Paperboard mills	<1	122	422	1,084
Paperboard container manufacturing	<1	552	1,197	4,041
Paper bag and coated and treated paper manufacturing	<1	261	605	1,613
Stationery product manufacturing	<1	74	119	470
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	55	143	382
Printing	<1	3,987	7,002	13,580
Support activities for printing	<1	123	213	311
Petroleum refineries	<1	165	618	8,576
Asphalt paving mixture and block manufacturing	<1	105	122	419
Asphalt shingle and coating materials manufacturing	<1	26	44	109
Petroleum lubricating oil and grease manufacturing	<1	268	441	1,084
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	67	994	2,288
Industrial gas manufacturing	<1	226	815	2,281
Synthetic dye and pigment manufacturing	<1	26	56	116
Other basic inorganic chemical manufacturing	<1	75	185	456
Other basic organic chemical manufacturing	<1	475	1,348	6,846
Plastics material and resin manufacturing	<1	216	403	1,631
Synthetic rubber manufacturing	<1	5	8	51
Artificial and synthetic fibers and filaments manufacturing	<1	3	7	41
Nitrogenous fertilizer manufacturing	<1	161	721	1,945

## Appendix

Phosphatic fertilizer manufacturing	<1	4	15	39
Fertilizer mixing	<1	4	9	26
Pesticide and other agricultural chemical manufacturing	<1	309	1,270	3,623
Medicinal and botanical manufacturing	<1	78	151	372
Pharmaceutical preparation manufacturing	<1	72	227	576
In-vitro diagnostic substance manufacturing	<1	0	0	<1
Biological product (except diagnostic) manufacturing	<1	278	1,091	2,245
Paint and coating manufacturing	<1	67	153	558
Adhesive manufacturing	<1	11	21	73
Soap and other detergent manufacturing	<1	17	61	348
Polish and other sanitation good manufacturing	<1	53	102	301
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	122	444	981
Printing ink manufacturing	<1	30	34	143
Explosives manufacturing	<1	3	3	11
Custom compounding of purchased resins	<1	4	8	31
Photographic film and chemical manufacturing	<1	35	94	253
Other miscellaneous chemical product manufacturing	<1	45	81	267
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	196	277	983
Unlaminated plastics profile shape manufacturing	<1	87	161	696
Plastics pipe and pipe fitting manufacturing	<1	83	177	798
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	37	54	205
Polystyrene foam product manufacturing	<1	61	91	378
Urethane and other foam product (except polystyrene) manufacturing	<1	46	67	320
Plastics bottle manufacturing	<1	85	118	619
Other plastics product manufacturing	<1	978	1,291	4,864
Tire manufacturing	<1	1,068	1,275	4,624

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	69	96	358
Other rubber product manufacturing	<1	183	218	802
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	2	8
Brick, tile, and other structural clay product manufacturing	<1	90	180	364
Flat glass manufacturing	<1	14	32	65
Other pressed and blown glass and glassware manufacturing	<1	99	185	381
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	129	272	597
Cement manufacturing	<1	106	296	701
Ready-mix concrete manufacturing	<1	658	1,246	3,728
Concrete block and brick manufacturing	<1	104	220	582
Concrete pipe manufacturing	<1	36	69	188
Other concrete product manufacturing	<1	284	483	1,180
Lime manufacturing	<1	37	99	233
Gypsum product manufacturing	<1	122	437	1,030
Abrasive product manufacturing	<1	46	122	199
Cut stone and stone product manufacturing	<1	142	205	471
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	40	136	281
Miscellaneous nonmetallic mineral products manufacturing	<1	2	5	11
Iron and steel mills and ferroalloy manufacturing	<1	237	863	3,838
Iron, steel pipe and tube manufacturing from purchased steel	<1	12	39	139
Rolled steel shape manufacturing	<1	20	105	356
Steel wire drawing	<1	2	7	24
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	314	931	2,881
Other aluminum rolling, drawing and extruding	<1	16	30	124
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	<1	59	171	1,159
Nonferrous metal, except copper and aluminum, shaping	<1	16	22	80
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	31	71	139
Nonferrous metal foundries	<1	63	104	239
Custom roll forming	<1	2	3	28
Crown and closure manufacturing and metal stamping	<1	48	63	194
Iron and steel forging	<1	12	17	81
Nonferrous forging	<1	<1	<1	3
Cutlery, utensil, pot, and pan manufacturing	<1	19	42	142
Handtool manufacturing	<1	99	159	390
Prefabricated metal buildings and components manufacturing	<1	66	101	362
Fabricated structural metal manufacturing	<1	286	427	1,625
Plate work manufacturing	<1	55	63	215
Metal window and door manufacturing	<1	249	346	1,057
Sheet metal work manufacturing	<1	202	278	856
Ornamental and architectural metal work manufacturing	<1	85	105	342
Power boiler and heat exchanger manufacturing	<1	<1	1	3
Metal tank (heavy gauge) manufacturing	<1	8	10	33
Metal cans manufacturing	<1	32	61	357
Metal barrels, drums and pails manufacturing	<1	9	12	60
Hardware manufacturing	<1	55	81	298
Spring and wire product manufacturing	<1	55	73	262
Machine shops	<1	549	653	1,478
Turned product and screw, nut, and bolt manufacturing	<1	49	63	197
Metal heat treating	<1	21	28	84
Metal coating and nonprecious engraving	<1	49	86	288
Electroplating, anodizing, and coloring metal	<1	22	24	57
Valve and fittings, other than plumbing, manufacturing	<1	133	197	618
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	<1	10	16	58
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	21	24	57
Small arms, ordnance, and accessories manufacturing	<1	16	34	106
Fabricated pipe and pipe fitting manufacturing	<1	1	2	6
Other fabricated metal manufacturing	<1	89	119	395
Farm machinery and equipment manufacturing	<1	184	412	1,245
Lawn and garden equipment manufacturing	<1	<1	2	7
Construction machinery manufacturing	<1	31	89	221
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	8	11	25
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	<1	<1	3
All other industrial machinery manufacturing	<1	2	3	10
Optical instrument and lens manufacturing	<1	6	11	31
Photographic and photocopying equipment manufacturing	<1	1	2	6
Other commercial service industry machinery manufacturing	<1	12	24	83
Air purification and ventilation equipment manufacturing	<1	9	13	34
Heating equipment (except warm air furnaces) manufacturing	<1	61	111	320
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	164	344	1,027
Industrial mold manufacturing	<1	19	25	58
Special tool, die, jig, and fixture manufacturing	<1	5	8	15

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	8	9	24
Machine tool manufacturing	<1	2	3	9
Rolling mill and other metalworking machinery manufacturing	<1	2	3	6
Turbine and turbine generator set units manufacturing	<1	2	3	11
Speed changer, industrial high-speed drive, and gear manufacturing	<1	52	87	183
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	196	556	1,363
Pump and pumping equipment manufacturing	<1	3	7	19
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	9	10	30
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	4	13
Industrial truck, trailer, and stacker manufacturing	<1	15	32	99
Power-driven handtool manufacturing	<1	<1	<1	2
Welding and soldering equipment manufacturing	<1	3	6	16
Packaging machinery manufacturing	<1	2	4	9
Industrial process furnace and oven manufacturing	<1	<1	<1	2
Fluid power cylinder and actuator manufacturing	<1	48	78	197
Fluid power pump and motor manufacturing	<1	18	35	99
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	6	18
Electronic computer manufacturing	<1	4	5	34
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	9,948	12,629	36,970
Telephone apparatus manufacturing	0	0	0	0

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	6	6	22
Other communications equipment manufacturing	<1	10	12	41
Audio and video equipment manufacturing	<1	2	2	16
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	3
Bare printed circuit board manufacturing	<1	3	3	10
Semiconductor and related device manufacturing	<1	7	9	39
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	20	21	95
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	18	19	76
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	5
Search, detection, and navigation instruments manufacturing	<1	9	11	34
Automatic environmental control manufacturing	<1	22	25	69
Industrial process variable instruments manufacturing	<1	11	14	45
Totalizing fluid meter and counting device manufacturing	<1	6	8	25
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	3
Blank magnetic and optical recording media manufacturing	<1	<1	2	17
Software and other prerecorded and record reproducing	<1	1	1	5
Electric lamp bulb and part manufacturing	<1	49	68	191
Lighting fixture manufacturing	<1	89	105	380
Small electrical appliance manufacturing	<1	6	10	41

## Appendix

Household cooking appliance manufacturing	<1	60	108	478
Household refrigerator and home freezer manufacturing	<1	77	129	521
Household laundry equipment manufacturing	<1	232	316	1,513
Other major household appliance manufacturing	<1	36	67	249
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	22	34	139
Switchgear and switchboard apparatus manufacturing	<1	41	63	182
Relay and industrial control manufacturing	<1	2	3	10
Storage battery manufacturing	<1	177	249	953
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	5	7	37
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	12	19	66
Carbon and graphite product manufacturing	<1	58	81	309
All other miscellaneous electrical equipment and component manufacturing	<1	5	5	20
Automobile manufacturing	<1	5	13	85
Light truck and utility vehicle manufacturing	<1	2	4	38
Heavy duty truck manufacturing	<1	13	21	157
Motor vehicle body manufacturing	<1	57	69	272
Truck trailer manufacturing	<1	4	4	19
Motor home manufacturing	<1	1,382	2,011	8,151
Travel trailer and camper manufacturing	<1	841	971	4,794
Motor vehicle gasoline engine and engine parts manufacturing	<1	35	47	280
Motor vehicle electrical and electronic equipment manufacturing	<1	271	328	1,827
Motor vehicle transmission and power train parts manufacturing	<1	91	117	749
Motor vehicle seating and interior trim manufacturing	<1	2	3	18
Motor vehicle metal stamping	<1	367	424	1,925
Other motor vehicle parts manufacturing	<1	335	412	2,204

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	22	27	162
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	3	6	18
Other aircraft parts and auxiliary equipment manufacturing	<1	5	7	15
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	8
Ship building and repairing	0	0	0	0
Boat building	<1	18	26	92
Motorcycle, bicycle, and parts manufacturing	<1	5	15	34
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	144	275	1,217
Wood kitchen cabinet and countertop manufacturing	<1	296	395	978
Upholstered household furniture manufacturing	<1	<1	<1	3
Nonupholstered wood household furniture manufacturing	<1	11	13	41
Other household nonupholstered furniture manufacturing	<1	1	2	12
Institutional furniture manufacturing	<1	1	1	5
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	4	4	12
Office furniture, except wood, manufacturing	<1	116	214	685
Showcase, partition, shelving, and locker manufacturing	<1	11	16	52
Mattress manufacturing	<1	14	26	112
Blind and shade manufacturing	<1	2	2	7
Surgical and medical instrument manufacturing	<1	18	23	48
Surgical appliance and supplies manufacturing	<1	42	68	146

## Appendix

Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	12	19	40
Dental laboratories	<1	49	53	89
Jewelry and silverware manufacturing	<1	38	62	192
Sporting and athletic goods manufacturing	<1	112	149	425
Doll, toy, and game manufacturing	<1	24	36	113
Office supplies (except paper) manufacturing	<1	37	51	138
Sign manufacturing	<1	246	238	484
Gasket, packing, and sealing device manufacturing	<1	27	29	66
Musical instrument manufacturing	<1	10	11	24
Fasteners, buttons, needles, and pins manufacturing	<1	<1	<1	1
Broom, brush, and mop manufacturing	<1	116	155	340
Burial casket manufacturing	<1	40	53	95
All other miscellaneous manufacturing	<1	107	138	318
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,692	3,557	8,569
Wholesale - Professional and commercial equipment and supplies	<1	4,341	6,667	12,413
Wholesale - Household appliances and electrical and electronic goods	<1	2,555	5,960	14,426
Wholesale - Machinery, equipment, and supplies	<1	3,773	6,979	13,169
Wholesale - Other durable goods merchant wholesalers	<1	4,656	8,114	17,779
Wholesale - Drugs and druggists'sundries	<1	2,691	6,618	13,919
Wholesale - Grocery and related product wholesalers	<1	3,743	5,555	11,378
Wholesale - Petroleum and petroleum products	<1	895	9,289	12,492
Wholesale - Other nondurable goods merchant wholesalers	<1	10,911	21,376	42,320
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,087	2,369	2,866
Retail - Motor vehicle and parts dealers	<1	6,377	8,602	12,631
Retail - Furniture and home furnishings stores	<1	2,566	3,431	6,203

## Appendix

Retail - Electronics and appliance stores	<1	3,062	2,657	4,943
Retail - Building material and garden equipment and supplies stores	<1	3,592	6,687	9,934
Retail - Food and beverage stores	<1	9,689	13,937	25,729
Retail - Health and personal care stores	<1	4,635	5,969	9,752
Retail - Gasoline stores	<1	2,840	6,670	14,809
Retail - Clothing and clothing accessories stores	<1	2,936	4,651	10,955
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,017	3,776	6,441
Retail - General merchandise stores	<1	8,911	12,222	22,500
Retail - Miscellaneous store retailers	<1	6,067	6,109	10,989
Retail - Nonstore retailers	<1	4,698	24,275	46,538
Air transportation	<1	785	2,159	4,885
Rail transportation	<1	1,144	5,939	8,054
Water transportation	<1	126	222	1,346
Truck transportation	<1	13,822	19,851	41,301
Transit and ground passenger transportation	<1	1,482	1,884	3,279
Pipeline transportation	<1	1,173	2,493	4,872
Scenic and sightseeing transportation and support activities for transportation	<1	8,109	7,315	11,800
Couriers and messengers	<1	4,299	8,540	10,358
Warehousing and storage	<1	10,321	11,021	20,413
Newspaper publishers	<1	1,556	2,746	4,514
Periodical publishers	<1	2,028	2,979	4,992
Book publishers	<1	528	1,583	3,180
Directory, mailing list, and other publishers	<1	393	1,040	2,072
Greeting card publishing	0	0	0	0
Software publishers	<1	5,667	11,395	16,661
Motion picture and video industries	<1	911	1,449	6,117
Sound recording industries	<1	80	453	1,380
Radio and television broadcasting	<1	3,192	5,796	22,416
Cable and other subscription programming	<1	366	3,063	9,250
Wired telecommunications carriers	<1	5,035	11,682	22,487



## Appendix

Wireless telecommunications carriers (except satellite)	<1	1,005	7,879	19,795
Satellite, telecommunications resellers, and all other telecommunications	<1	833	1,138	2,506
Data processing, hosting, and related services	<1	33,134	77,293	208,814
News syndicates, libraries, archives and all other information services	<1	255	417	1,102
Internet publishing and broadcasting and web search portals	<1	2,552	7,649	38,346
Nondepository credit intermediation and related activities	<1	12,288	12,924	19,307
Securities and commodity contracts intermediation and brokerage	<1	7,012	5,340	17,567
Monetary authorities and depository credit intermediation	<1	43,307	109,456	177,319
Other financial investment activities	<1	5,871	6,551	25,535
Direct life insurance carriers	<1	4,453	15,975	18,742
Insurance carriers, except direct life	<1	6,927	47,960	68,848
Insurance agencies, brokerages, and related activities	<1	7,077	19,543	35,680
Funds, trusts, and other financial vehicles	<1	3,752	3,155	14,797
Other real estate	1	17,663	81,934	236,467
Tenant-occupied housing	<1	1,369	26,075	28,807
Owner-occupied dwellings	0	0	127,583	154,814
Automotive equipment rental and leasing	<1	1,026	4,207	5,720
General and consumer goods rental except video tapes and discs	<1	1,932	3,747	5,760
Video tape and disc rental	<1	447	760	1,243
Commercial and industrial machinery and equipment rental and leasing	<1	1,808	6,038	8,037
Lessors of nonfinancial intangible assets	<1	204	6,412	6,837
Legal services	<1	28,814	44,709	68,529
Accounting, tax preparation, bookkeeping, and payroll services	<1	10,986	13,651	22,748
Architectural, engineering, and related services	<1	12,500	13,678	25,423
Specialized design services	<1	618	1,040	2,187

## Appendix

Custom computer programming services	<1	5,438	5,720	8,494
Computer systems design services	<1	4,255	4,042	5,478
Other computer related services, including facilities management	<1	2,440	3,294	6,351
Management consulting services	<1	35,119	36,347	63,155
Environmental and other technical consulting services	<1	3,565	3,943	7,020
Scientific research and development services	9	746,518	1,109,901	2,198,880
Advertising, public relations, and related services	<1	8,243	13,025	31,101
Photographic services	<1	361	870	2,223
Veterinary services	<1	1,561	1,746	2,861
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	43,833	75,439	172,661
Management of companies and enterprises	<1	68,398	74,700	125,904
Office administrative services	<1	12,537	4,045	12,154
Facilities support services	<1	152	204	564
Employment services	1	54,112	73,149	128,292
Business support services	<1	8,054	6,915	12,958
Travel arrangement and reservation services	<1	1,249	1,976	7,038
Investigation and security services	<1	3,403	3,507	5,316
Services to buildings	<1	7,056	9,886	21,583
Landscape and horticultural services	<1	3,955	4,898	9,907
Other support services	<1	1,941	2,463	5,459
Waste management and remediation services	<1	2,612	4,330	9,793
Elementary and secondary schools	<1	3,450	2,797	3,700
Junior colleges, colleges, universities, and professional schools	5	176,680	221,842	329,369
Other educational services	<1	3,362	3,711	7,080
Offices of physicians	<1	31,314	31,395	44,541
Offices of dentists	<1	7,584	8,935	12,027
Offices of other health practitioners	<1	4,891	7,180	9,327
Outpatient care centers	<1	4,110	4,039	6,647
Medical and diagnostic laboratories	<1	970	1,523	2,137
Home health care services	<1	4,119	4,081	5,228

## Appendix

Other ambulatory health care services	<1	1,975	2,297	3,585
Hospitals	<1	33,825	39,879	77,782
Nursing and community care facilities	<1	10,812	11,383	19,428
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,931	5,052	7,558
Individual and family services	<1	10,697	8,982	13,488
Child day care services	<1	4,322	5,099	7,838
Community food, housing, and other relief services, including rehabilitation services	<1	2,837	2,658	6,296
Performing arts companies	<1	734	1,345	3,237
Commercial Sports Except Racing	<1	1,469	1,317	2,890
Racing and Track Operation	<1	123	209	484
Independent artists, writers, and performers	<1	463	1,570	2,759
Promoters of performing arts and sports and agents for public figures	<1	1,199	3,422	9,740
Museums, historical sites, zoos, and parks	<1	385	476	940
Amusement parks and arcades	<1	218	596	693
Gambling industries (except casino hotels)	<1	1,395	5,657	7,387
Other amusement and recreation industries	<1	1,261	1,623	2,307
Fitness and recreational sports centers	<1	871	1,568	2,463
Bowling centers	<1	187	332	540
Hotels and motels, including casino hotels	<1	1,090	2,261	3,593
Other accommodations	<1	209	263	364
Full-service restaurants	<1	14,547	21,465	47,411
Limited-service restaurants	<1	11,263	17,911	45,993
All other food and drinking places	<1	10,832	15,917	28,515
Automotive repair and maintenance, except car washes	<1	13,140	16,121	23,374
Car washes	<1	7,078	9,968	15,337
Electronic and precision equipment repair and maintenance	<1	2,372	3,245	5,555
Commercial and industrial machinery and equipment repair and maintenance	<1	6,298	7,101	11,415
Personal and household goods repair and maintenance	<1	1,142	2,328	3,333

## Appendix

Personal care services	<1	2,470	2,106	2,511
Death care services	<1	1,342	1,243	1,676
Dry-cleaning and laundry services	<1	1,839	1,610	2,002
Other personal services	<1	2,757	3,753	5,293
Religious organizations	<1	9,984	7,343	17,915
Grantmaking, giving, and social advocacy organizations	<1	2,134	8,499	12,036
Business and professional associations	<1	2,446	4,855	7,958
Labor and civic organizations	<1	1,254	4,904	8,575
Private households	<1	873	873	876
Postal service	<1	6,813	6,869	6,918
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	190	-3,575	85
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	1,211	242	1,093
Local government electric utilities	<1	833	2,602	5,890
Other local government enterprises	<1	4,073	7,848	20,422
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	179,826	355,464	650,490

## Kansas

## NASA

Table 673: Detailed NASA Impacts by Types of Impact, Kansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	147	11,098,369	17,000,850	33,234,453
Oilseed farming	<1	15,382	32,375	102,455
Grain farming	<1	19,922	29,517	148,515
Vegetable and melon farming	<1	469	638	1,833
Fruit farming	<1	96	124	279
Tree nut farming	<1	41	56	132
Greenhouse, nursery, and floriculture production	<1	483	639	1,785
Tobacco farming	0	0	0	0
Cotton farming	<1	271	335	847
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,161	2,708	7,624
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	11,091	16,815	88,233
Dairy cattle and milk production	<1	1,425	2,122	16,333
Poultry and egg production	<1	330	523	6,848
Animal production, except cattle and poultry and eggs	<1	6,570	12,945	27,671
Forestry, forest products, and timber tract production	<1	257	313	433
Commercial logging	<1	110	135	274
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	53	466	744
Support activities for agriculture and forestry	<1	9,567	8,725	9,324
Oil and gas extraction	<1	11,155	17,627	331,629
Coal mining	<1	113	263	476
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,219	3,971	7,090
Sand and gravel mining	<1	1,049	1,722	3,283

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	66	95	196
Phosphate rock mining	<1	23	39	83
Other chemical and fertilizer mineral mining	<1	27	39	82
Other nonmetallic minerals	<1	182	305	637
Drilling oil and gas wells	<1	3	5	29
Support activities for oil and gas operations	<1	348	426	1,731
Metal mining services	<1	107	184	3,992
Other nonmetallic minerals services	<1	11	19	363
Electric power generation - Hydroelectric	<1	215	523	1,067
Electric power generation - Fossil fuel	<1	6,677	25,716	65,340
Electric power generation - Nuclear	<1	7,014	14,865	32,662
Electric power generation - Solar	<1	336	776	1,537
Electric power generation - Wind	<1	2,231	20,152	39,747
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	22,542	84,419	209,650
Natural gas distribution	<1	15,681	58,987	135,329
Water, sewage and other systems	<1	518	1,167	2,158
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	22,973	33,363	87,493
Maintenance and repair construction of residential structures	<1	10,400	14,847	37,115
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	15	38
Dog and cat food manufacturing	<1	3,726	14,370	41,002
Other animal food manufacturing	<1	1,620	3,791	21,454
Flour milling	<1	1,135	3,423	14,704
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	2,889	9,022	35,875
Soybean and other oilseed processing	<1	245	2,595	14,446
Fats and oils refining and blending	<1	811	3,532	25,297
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	204	912	3,172
Nonchocolate confectionery manufacturing	<1	10	18	67
Chocolate and confectionery manufacturing from cacao beans	<1	108	198	660
Confectionery manufacturing from purchased chocolate	<1	1,043	1,933	7,363
Frozen fruits, juices and vegetables manufacturing	<1	863	2,630	7,623
Frozen specialties manufacturing	<1	1,093	1,828	6,308
Canned fruits and vegetables manufacturing	<1	300	796	2,265
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	21	54	159
Cheese manufacturing	<1	167	296	2,683
Dry, condensed, and evaporated dairy product manufacturing	<1	157	566	2,486
Fluid milk manufacturing	<1	1,292	2,722	12,712
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	81	143	563



## Appendix

Frozen cakes and other pastries manufacturing	<1	784	1,228	2,391
Poultry processing	<1	400	566	1,911
Animal, except poultry, slaughtering	<1	10,476	14,197	85,684
Meat processed from carcasses	<1	8,227	8,090	56,801
Rendering and meat byproduct processing	<1	49	58	260
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	4,130	7,183	14,884
Cookie and cracker manufacturing	<1	3,141	5,520	11,316
Dry pasta, mixes, and dough manufacturing	<1	148	496	1,251
Tortilla manufacturing	<1	1,035	1,643	3,756
Roasted nuts and peanut butter manufacturing	<1	180	238	1,596
Other snack food manufacturing	<1	1,932	8,041	19,058
Coffee and tea manufacturing	<1	25	65	390
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	10	26	80
Spice and extract manufacturing	<1	1,172	2,489	6,067
All other food manufacturing	<1	2,156	3,757	12,505
Bottled and canned soft drinks & water	<1	1,964	4,908	17,422
Manufactured ice	<1	244	234	757
Breweries	<1	298	935	3,366
Wineries	<1	223	573	2,601
Distilleries	<1	1,019	5,072	8,779
Tobacco product manufacturing	<1	143	6,634	9,655
Fiber, yarn, and thread mills	<1	20	26	240
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	4	4	18
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	3	3	20
Textile and fabric finishing mills	<1	8	8	65
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	70	66	378
Curtain and linen mills	<1	4	4	17
Textile bag and canvas mills	<1	134	126	516
Rope, cordage, twine, tire cord and tire fabric mills	<1	178	169	688

## Appendix

Other textile product mills	<1	304	295	1,025
Hosiery and sock mills	<1	5	9	23
Other apparel knitting mills	<1	7	12	30
Cut and sew apparel contractors	<1	17	23	45
Men's and boys' cut and sew apparel manufacturing	<1	28	37	127
Women's and girls' cut and sew apparel manufacturing	<1	31	55	264
Other cut and sew apparel manufacturing	<1	15	24	87
Apparel accessories and other apparel manufacturing	<1	7	13	35
Leather and hide tanning and finishing	<1	2	7	60
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	4	5	33
Sawmills	<1	10	25	100
Wood preservation	<1	11	53	194
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	121	287	871
Reconstituted wood product manufacturing	<1	111	576	1,864
Wood windows and door manufacturing	<1	1,412	2,480	6,645
Cut stock, resawing lumber, and planing	<1	21	62	163
Other millwork, including flooring	<1	227	519	1,333
Wood container and pallet manufacturing	<1	717	1,299	3,483
Manufactured home (mobile home) manufacturing	<1	1	2	6
Prefabricated wood building manufacturing	<1	97	250	652
All other miscellaneous wood product manufacturing	<1	511	945	2,669
Pulp mills	0	0	0	0
Paper mills	<1	591	1,347	5,853
Paperboard mills	<1	93	203	969
Paperboard container manufacturing	<1	2,781	4,337	16,618
Paper bag and coated and treated paper manufacturing	<1	215	344	1,128
Stationery product manufacturing	<1	240	320	1,526

Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	372	654	2,422
Printing	<1	23,280	45,161	80,729
Support activities for printing	<1	209	397	531
Petroleum refineries	<1	8,433	66,084	427,705
Asphalt paving mixture and block manufacturing	<1	166	237	1,248
Asphalt shingle and coating materials manufacturing	<1	116	394	1,216
Petroleum lubricating oil and grease manufacturing	<1	67,056	152,778	495,883
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	926	6,759	28,711
Industrial gas manufacturing	<1	169	338	1,101
Synthetic dye and pigment manufacturing	<1	320	477	1,530
Other basic inorganic chemical manufacturing	<1	3,148	4,750	12,798
Other basic organic chemical manufacturing	<1	2,248	4,066	27,284
Plastics material and resin manufacturing	<1	70	103	842
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	276	338	1,101
Nitrogenous fertilizer manufacturing	<1	679	1,428	3,628
Phosphatic fertilizer manufacturing	<1	22	40	159
Fertilizer mixing	<1	31	44	140
Pesticide and other agricultural chemical manufacturing	<1	148	319	1,486
Medicinal and botanical manufacturing	<1	14	16	52
Pharmaceutical preparation manufacturing	<1	2,858	4,856	14,123
In-vitro diagnostic substance manufacturing	<1	422	477	1,227
Biological product (except diagnostic) manufacturing	<1	866	1,545	3,495
Paint and coating manufacturing	<1	223	316	1,238
Adhesive manufacturing	<1	210	260	970
Soap and other detergent manufacturing	<1	1,918	3,096	9,796
Polish and other sanitation good manufacturing	<1	956	1,145	3,653

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	34	62	178
Printing ink manufacturing	<1	252	264	822
Explosives manufacturing	<1	166	180	548
Custom compounding of purchased resins	<1	265	398	1,474
Photographic film and chemical manufacturing	<1	491	775	2,924
Other miscellaneous chemical product manufacturing	<1	2,016	2,450	6,743
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	656	1,044	4,757
Unlaminated plastics profile shape manufacturing	<1	79	171	730
Plastics pipe and pipe fitting manufacturing	<1	345	933	4,064
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	424	692	2,413
Polystyrene foam product manufacturing	<1	122	211	751
Urethane and other foam product (except polystyrene) manufacturing	<1	184	308	1,320
Plastics bottle manufacturing	<1	364	558	2,913
Other plastics product manufacturing	<1	5,208	7,672	28,190
Tire manufacturing	<1	4,993	6,396	22,502
Rubber and plastics hoses and belting manufacturing	<1	398	623	2,460
Other rubber product manufacturing	<1	912	1,148	3,777
Pottery, ceramics, and plumbing fixture manufacturing	<1	5	7	18
Brick, tile, and other structural clay product manufacturing	<1	281	407	1,264
Flat glass manufacturing	<1	429	685	1,893
Other pressed and blown glass and glassware manufacturing	<1	350	500	1,367
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	299	450	1,394
Cement manufacturing	<1	428	767	2,532
Ready-mix concrete manufacturing	<1	1,960	2,741	11,220
Concrete block and brick manufacturing	<1	386	566	1,630
Concrete pipe manufacturing	<1	153	214	671

Appendix

Other concrete product manufacturing	<1	802	1,039	3,163
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	528	1,129	3,838
Abrasive product manufacturing	<1	49	86	204
Cut stone and stone product manufacturing	<1	553	658	1,772
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	525	1,051	2,714
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	50	83	1,243
Iron, steel pipe and tube manufacturing from purchased steel	<1	25	34	212
Rolled steel shape manufacturing	<1	5	8	44
Steel wire drawing	<1	22	27	142
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	9	12	53
Other aluminum rolling, drawing and extruding	<1	41	45	234
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	216	283	3,960
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	4	5	40
Ferrous metal foundries	<1	200	215	739
Nonferrous metal foundries	<1	6	6	22
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	41	50	197
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	131	223	838
Handtool manufacturing	<1	263	369	1,150
Prefabricated metal buildings and components manufacturing	<1	243	322	1,303

## Appendix

Fabricated structural metal manufacturing	<1	947	1,269	5,404
Plate work manufacturing	<1	338	372	1,267
Metal window and door manufacturing	<1	898	1,134	3,832
Sheet metal work manufacturing	<1	684	848	2,912
Ornamental and architectural metal work manufacturing	<1	206	236	785
Power boiler and heat exchanger manufacturing	<1	35	44	168
Metal tank (heavy gauge) manufacturing	<1	218	253	928
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	193	236	1,216
Hardware manufacturing	<1	166	221	922
Spring and wire product manufacturing	<1	86	105	456
Machine shops	<1	3,474	3,906	9,181
Turned product and screw, nut, and bolt manufacturing	<1	185	221	763
Metal heat treating	<1	145	176	541
Metal coating and nonprecious engraving	<1	171	255	927
Electroplating, anodizing, and coloring metal	<1	553	589	1,465
Valve and fittings, other than plumbing, manufacturing	<1	251	335	1,381
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	84	118	503
Small arms ammunition manufacturing	<1	29	58	276
Ammunition, except for small arms, manufacturing	<1	9	10	25
Small arms, ordnance, and accessories manufacturing	<1	64	107	338
Fabricated pipe and pipe fitting manufacturing	<1	215	252	794
Other fabricated metal manufacturing	<1	912	1,107	3,621
Farm machinery and equipment manufacturing	<1	382	738	3,302
Lawn and garden equipment manufacturing	<1	77	139	648
Construction machinery manufacturing	<1	185	445	1,349
Mining machinery and equipment manufacturing	<1	6	8	26

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	32	41	167
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	6	6	17
Sawmill, woodworking, and paper machinery	<1	14	17	43
Printing machinery and equipment manufacturing	<1	7	8	27
All other industrial machinery manufacturing	<1	34	43	130
Optical instrument and lens manufacturing	<1	17	26	69
Photographic and photocopying equipment manufacturing	<1	4	5	17
Other commercial service industry machinery manufacturing	<1	55	91	296
Air purification and ventilation equipment manufacturing	<1	34	45	129
Heating equipment (except warm air furnaces) manufacturing	<1	327	526	1,816
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	625	1,087	3,737
Industrial mold manufacturing	<1	50	61	139
Special tool, die, jig, and fixture manufacturing	<1	16	22	45
Cutting tool and machine tool accessory manufacturing	<1	108	127	331
Machine tool manufacturing	<1	21	27	72
Rolling mill and other metalworking machinery manufacturing	<1	75	101	253
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	14	21	69
Mechanical power transmission equipment manufacturing	<1	312	449	880
Other engine equipment manufacturing	<1	32	74	352
Pump and pumping equipment manufacturing	<1	24	42	146
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	2	2	9

## Appendix

Conveyor and conveying equipment manufacturing	<1	64	72	217
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	7	32
Industrial truck, trailer, and stacker manufacturing	<1	40	67	247
Power-driven handtool manufacturing	<1	14	40	118
Welding and soldering equipment manufacturing	<1	<1	<1	4
Packaging machinery manufacturing	<1	<1	<1	3
Industrial process furnace and oven manufacturing	<1	4	5	13
Fluid power cylinder and actuator manufacturing	<1	46	67	217
Fluid power pump and motor manufacturing	<1	31	53	189
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	20	24	67
Electronic computer manufacturing	<1	<1	1	9
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	1,880	2,950	7,322
Telephone apparatus manufacturing	<1	53	94	264
Broadcast and wireless communications equipment manufacturing	<1	72	101	289
Other communications equipment manufacturing	<1	16	28	73
Audio and video equipment manufacturing	<1	11	21	128
Printed circuit assembly (electronic assembly) manufacturing	<1	43	74	378
Bare printed circuit board manufacturing	<1	16	21	81
Semiconductor and related device manufacturing	<1	15	26	113
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	49	65	226
Electronic connector manufacturing	<1	240	334	921
Other electronic component manufacturing	<1	7,288	10,069	37,674



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	2
Search, detection, and navigation instruments manufacturing	<1	2	3	10
Automatic environmental control manufacturing	<1	16	22	50
Industrial process variable instruments manufacturing	<1	15	23	63
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	5	6	20
Analytical laboratory instrument manufacturing	<1	2	2	6
Irradiation apparatus manufacturing	<1	0	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	4	6	24
Blank magnetic and optical recording media manufacturing	<1	153	560	2,087
Software and other prerecorded and record reproducing	<1	134	197	483
Electric lamp bulb and part manufacturing	<1	5	10	24
Lighting fixture manufacturing	<1	111	161	426
Small electrical appliance manufacturing	<1	53	146	389
Household cooking appliance manufacturing	<1	35	111	287
Household refrigerator and home freezer manufacturing	<1	42	125	307
Household laundry equipment manufacturing	<1	134	276	864
Other major household appliance manufacturing	<1	17	59	131
Power, distribution, and specialty transformer manufacturing	<1	12	19	53
Motor and generator manufacturing	<1	49	108	267
Switchgear and switchboard apparatus manufacturing	<1	24	54	148
Relay and industrial control manufacturing	<1	76	119	368
Storage battery manufacturing	<1	948	1,835	5,449
Primary battery manufacturing	<1	99	1,524	1,135
Fiber optic cable manufacturing	<1	89	158	768

## Appendix

Other communication and energy wire manufacturing	<1	15	34	165
Wiring device manufacturing	<1	354	890	1,843
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	588	746	2,646
Automobile manufacturing	<1	2,514	4,285	35,273
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	1	2	14
Motor vehicle body manufacturing	<1	65	74	294
Truck trailer manufacturing	<1	6	6	33
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	400	434	2,648
Motor vehicle gasoline engine and engine parts manufacturing	<1	238	292	1,943
Motor vehicle electrical and electronic equipment manufacturing	<1	1,095	1,244	6,819
Motor vehicle transmission and power train parts manufacturing	<1	618	713	3,661
Motor vehicle seating and interior trim manufacturing	<1	173	185	1,198
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	2,152	2,415	14,613
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	47	98	230
Aircraft engine and engine parts manufacturing	<1	36	118	227
Other aircraft parts and auxiliary equipment manufacturing	<1	127	210	447
Guided missile and space vehicle manufacturing	<1	1	3	5
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	4	5	18
Ship building and repairing	0	0	0	0
Boat building	<1	112	202	502
Motorcycle, bicycle, and parts manufacturing	<1	7	35	64

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	141	399	1,140
Wood kitchen cabinet and countertop manufacturing	<1	1,033	1,258	3,555
Upholstered household furniture manufacturing	<1	13	14	70
Nonupholstered wood household furniture manufacturing	<1	63	71	241
Other household nonupholstered furniture manufacturing	<1	9	13	78
Institutional furniture manufacturing	<1	4	5	19
Wood office furniture manufacturing	<1	2	2	7
Custom architectural woodwork and millwork	<1	13	12	42
Office furniture, except wood, manufacturing	<1	47	70	231
Showcase, partition, shelving, and locker manufacturing	<1	60	75	224
Mattress manufacturing	<1	217	344	1,445
Blind and shade manufacturing	<1	7	7	22
Surgical and medical instrument manufacturing	<1	123	137	357
Surgical appliance and supplies manufacturing	<1	134	166	584
Dental equipment and supplies manufacturing	<1	2	3	6
Ophthalmic goods manufacturing	<1	40	45	130
Dental laboratories	<1	260	268	485
Jewelry and silverware manufacturing	<1	194	363	1,043
Sporting and athletic goods manufacturing	<1	294	329	1,289
Doll, toy, and game manufacturing	<1	253	274	1,633
Office supplies (except paper) manufacturing	<1	16	20	253
Sign manufacturing	<1	1,590	1,442	3,528
Gasket, packing, and sealing device manufacturing	<1	44	46	120
Musical instrument manufacturing	<1	41	42	121
Fasteners, buttons, needles, and pins manufacturing	<1	2	2	12

## Appendix

Broom, brush, and mop manufacturing	<1	481	468	1,544
Burial casket manufacturing	<1	6	8	54
All other miscellaneous manufacturing	<1	498	578	2,040
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	7,247	15,750	38,039
Wholesale - Professional and commercial equipment and supplies	<1	26,471	40,424	71,637
Wholesale - Household appliances and electrical and electronic goods	<1	9,141	22,156	49,962
Wholesale - Machinery, equipment, and supplies	<1	17,479	32,789	62,249
Wholesale - Other durable goods merchant wholesalers	<1	24,506	43,478	90,975
Wholesale - Drugs and druggists'sundries	<1	18,630	46,083	93,889
Wholesale - Grocery and related product wholesalers	<1	15,787	24,253	48,000
Wholesale - Petroleum and petroleum products	<1	7,610	50,529	71,293
Wholesale - Other nondurable goods merchant wholesalers	<1	46,529	92,998	194,055
Wholesale - Wholesale electronic markets and agents and brokers	<1	17,934	20,503	24,000
Retail - Motor vehicle and parts dealers	<1	28,062	45,083	63,866
Retail - Furniture and home furnishings stores	<1	13,586	21,067	35,047
Retail - Electronics and appliance stores	<1	15,139	15,193	24,494
Retail - Building material and garden equipment and supplies stores	<1	15,736	34,778	50,021
Retail - Food and beverage stores	1	46,476	70,261	117,306
Retail - Health and personal care stores	<1	28,056	37,332	56,239
Retail - Gasoline stores	<1	12,082	33,079	63,595
Retail - Clothing and clothing accessories stores	<1	13,483	26,542	56,155
Retail - Sporting goods, hobby, musical instrument and book stores	<1	12,877	18,764	30,848
Retail - General merchandise stores	1	40,478	67,509	113,918
Retail - Miscellaneous store retailers	<1	28,432	33,092	54,525
Retail - Nonstore retailers	1	21,969	125,740	227,384
Air transportation	<1	5,181	10,177	28,238

## Appendix

Rail transportation	<1	7,894	31,844	49,725
Water transportation	<1	-717	-584	2,214
Truck transportation	<1	57,943	84,627	168,404
Transit and ground passenger transportation	<1	14,363	19,143	29,201
Pipeline transportation	<1	27,345	40,695	53,712
Scenic and sightseeing transportation and support activities for transportation	<1	59,461	51,653	79,395
Couriers and messengers	<1	25,463	57,238	66,450
Warehousing and storage	<1	46,192	49,776	94,436
Newspaper publishers	<1	3,852	4,428	8,837
Periodical publishers	<1	3,269	3,468	8,491
Book publishers	<1	3,081	4,177	16,781
Directory, mailing list, and other publishers	<1	4,307	5,718	13,621
Greeting card publishing	0	0	0	0
Software publishers	<1	38,986	47,325	77,616
Motion picture and video industries	<1	3,380	4,083	19,648
Sound recording industries	<1	759	2,253	7,948
Radio and television broadcasting	<1	17,472	33,905	98,074
Cable and other subscription programming	<1	2,851	28,769	58,854
Wired telecommunications carriers	<1	69,677	93,519	123,808
Wireless telecommunications carriers (except satellite)	<1	27,734	101,668	182,666
Satellite, telecommunications resellers, and all other telecommunications	<1	8,988	9,149	12,154
Data processing, hosting, and related services	<1	31,045	63,638	182,787
News syndicates, libraries, archives and all other information services	<1	2,711	4,069	9,933
Internet publishing and broadcasting and web search portals	<1	6,101	15,365	96,679
Nondepository credit intermediation and related activities	<1	34,737	36,936	57,922
Securities and commodity contracts intermediation and brokerage	<1	49,860	48,397	108,079
Monetary authorities and depository credit intermediation	2	153,808	315,491	640,594

## Appendix

Other financial investment activities	1	51,660	60,996	192,799
Direct life insurance carriers	<1	7,554	16,479	22,470
Insurance carriers, except direct life	<1	51,575	185,720	385,480
Insurance agencies, brokerages, and related activities	<1	76,002	126,283	292,813
Funds, trusts, and other financial vehicles	<1	11,987	13,730	77,253
Other real estate	6	172,359	478,305	1,277,367
Tenant-occupied housing	<1	12,282	140,822	152,209
Owner-occupied dwellings	0	0	612,813	739,564
Automotive equipment rental and leasing	<1	13,018	52,051	54,169
General and consumer goods rental except video tapes and discs	<1	14,120	24,196	27,551
Video tape and disc rental	<1	2,722	4,609	7,296
Commercial and industrial machinery and equipment rental and leasing	<1	14,622	50,639	53,233
Lessors of nonfinancial intangible assets	<1	353	78,161	78,788
Legal services	2	121,332	204,622	309,386
Accounting, tax preparation, bookkeeping, and payroll services	<1	67,479	89,803	144,331
Architectural, engineering, and related services	2	149,473	166,718	300,665
Specialized design services	<1	6,481	11,777	20,624
Custom computer programming services	<1	41,081	43,747	61,862
Computer systems design services	<1	41,540	40,050	52,003
Other computer related services, including facilities management	<1	11,420	16,499	31,979
Management consulting services	12	1,015,543	1,053,692	1,808,938
Environmental and other technical consulting services	<1	34,708	39,248	63,970
Scientific research and development services	42	3,702,601	4,987,684	10,059,176
Advertising, public relations, and related services	<1	34,538	60,344	133,060
Photographic services	<1	1,537	4,180	9,905
Veterinary services	<1	5,546	6,392	10,608
Marketing research and all other miscellaneous professional, scientific, and technical services	1	89,341	163,564	356,425
Management of companies and enterprises	3	372,688	429,610	670,615

## Appendix

Office administrative services	1	82,650	46,935	98,181
Facilities support services	<1	5,766	8,444	22,267
Employment services	5	243,123	362,914	594,631
Business support services	<1	43,932	40,273	71,823
Travel arrangement and reservation services	<1	6,873	12,177	37,660
Investigation and security services	<1	19,875	20,289	29,247
Services to buildings	<1	32,441	49,241	99,949
Landscape and horticultural services	<1	24,817	31,855	59,251
Other support services	<1	10,541	14,306	30,197
Waste management and remediation services	<1	12,708	20,560	44,750
Elementary and secondary schools	<1	6,148	5,182	6,748
Junior colleges, colleges, universities, and professional schools	5	171,428	217,111	330,810
Other educational services	<1	29,571	32,929	65,572
Offices of physicians	1	171,955	172,513	236,645
Offices of dentists	<1	39,644	44,775	60,921
Offices of other health practitioners	<1	32,413	43,639	56,967
Outpatient care centers	<1	32,555	31,932	53,405
Medical and diagnostic laboratories	<1	14,584	20,532	29,135
Home health care services	<1	33,606	33,297	42,689
Other ambulatory health care services	<1	11,127	12,445	18,477
Hospitals	3	264,285	314,876	600,412
Nursing and community care facilities	<1	44,819	49,528	82,688
Residential mental retardation, mental health, substance abuse and other facilities	<1	15,855	16,326	24,179
Individual and family services	2	69,142	62,203	89,449
Child day care services	<1	16,334	25,806	34,831
Community food, housing, and other relief services, including rehabilitation services	<1	13,912	13,036	30,043
Performing arts companies	<1	2,337	4,658	14,429
Commercial Sports Except Racing	<1	4,124	4,226	11,405
Racing and Track Operation	<1	540	1,066	2,647
Independent artists, writers, and performers	<1	1,103	3,926	8,876

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	3,594	11,016	40,875
Museums, historical sites, zoos, and parks	<1	1,373	1,710	3,696
Amusement parks and arcades	<1	262	454	634
Gambling industries (except casino hotels)	<1	8,097	25,449	36,049
Other amusement and recreation industries	<1	6,728	4,825	8,468
Fitness and recreational sports centers	<1	4,443	5,421	10,010
Bowling centers	<1	874	1,117	2,195
Hotels and motels, including casino hotels	<1	2,540	4,606	7,862
Other accommodations	<1	674	870	1,186
Full-service restaurants	3	83,790	142,102	276,748
Limited-service restaurants	2	59,289	103,270	240,732
All other food and drinking places	2	60,316	90,071	152,146
Automotive repair and maintenance, except car washes	<1	58,419	76,139	105,051
Car washes	<1	29,560	47,967	70,815
Electronic and precision equipment repair and maintenance	<1	13,469	19,094	29,590
Commercial and industrial machinery and equipment repair and maintenance	<1	28,790	32,586	48,095
Personal and household goods repair and maintenance	<1	5,929	12,183	17,001
Personal care services	<1	16,685	14,254	16,696
Death care services	<1	3,880	3,592	4,718
Dry-cleaning and laundry services	<1	9,764	8,598	10,506
Other personal services	<1	11,253	15,218	21,641
Religious organizations	<1	46,307	34,557	78,999
Grantmaking, giving, and social advocacy organizations	<1	11,042	43,216	58,928
Business and professional associations	<1	13,648	26,315	42,478
Labor and civic organizations	<1	8,931	33,315	51,837
Private households	<1	6,559	6,559	6,559
Postal service	<1	31,449	31,606	31,619
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,269	-18,813	1,036
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	382	184	355
Local government electric utilities	<1	3,601	13,635	26,624
Other local government enterprises	<1	17,697	47,751	116,248
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	9	1,381,436	2,289,203	4,156,165

## Moon to Mars Campaign

**Table 674: Detailed M2M Campaign Impacts by Types of Impact, Kansas**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	6	402,633	725,336	1,328,603
Oilseed farming	<1	449	1,068	3,434
Grain farming	<1	571	1,055	4,363
Vegetable and melon farming	<1	20	29	81
Fruit farming	<1	5	7	14
Tree nut farming	<1	2	4	9
Greenhouse, nursery, and floriculture production	<1	16	22	59
Tobacco farming	0	0	0	0

Appendix

Cotton farming	<1	4	5	12
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	60	78	213
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	328	589	2,834
Dairy cattle and milk production	<1	79	131	900
Poultry and egg production	<1	12	20	234
Animal production, except cattle and poultry and eggs	<1	122	269	566
Forestry, forest products, and timber tract production	<1	5	6	9
Commercial logging	<1	3	4	7
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	2	15	22
Support activities for agriculture and forestry	<1	192	177	189
Oil and gas extraction	<1	175	292	6,466
Coal mining	<1	1	3	6
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	25	81	145
Sand and gravel mining	<1	15	25	46
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	2	3	6
Phosphate rock mining	<1	<1	1	3
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	2	2	5
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	5	6	25
Metal mining services	<1	2	3	62
Other nonmetallic minerals services	<1	<1	<1	5
Electric power generation - Hydroelectric	<1	8	19	37

## Appendix

Electric power generation - Fossil fuel	<1	227	800	2,026
Electric power generation - Nuclear	<1	240	507	1,105
Electric power generation - Solar	<1	11	26	51
Electric power generation - Wind	<1	51	449	877
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	657	2,337	5,782
Natural gas distribution	<1	880	3,161	7,061
Water, sewage and other systems	<1	42	88	157
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	613	921	2,325
Maintenance and repair construction of residential structures	<1	370	544	1,310
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	<1	140	540	1,517
Other animal food manufacturing	<1	41	99	544
Flour milling	<1	40	121	535

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	58	190	710
Soybean and other oilseed processing	<1	4	47	274
Fats and oils refining and blending	<1	13	52	413
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	13	61	200
Nonchocolate confectionery manufacturing	<1	<1	<1	4
Chocolate and confectionery manufacturing from cacao beans	<1	10	18	59
Confectionery manufacturing from purchased chocolate	<1	52	97	369
Frozen fruits, juices and vegetables manufacturing	<1	43	136	367
Frozen specialties manufacturing	<1	49	81	281
Canned fruits and vegetables manufacturing	<1	16	43	124
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	2	4	12
Cheese manufacturing	<1	12	22	201
Dry, condensed, and evaporated dairy product manufacturing	<1	9	31	138
Fluid milk manufacturing	<1	84	182	833
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	5	9	36
Frozen cakes and other pastries manufacturing	<1	48	75	143
Poultry processing	<1	11	16	53
Animal, except poultry, slaughtering	<1	529	725	4,432
Meat processed from carcasses	<1	275	272	1,916
Rendering and meat byproduct processing	<1	1	2	7
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	244	428	882
Cookie and cracker manufacturing	<1	142	256	496
Dry pasta, mixes, and dough manufacturing	<1	7	24	63
Tortilla manufacturing	<1	42	67	152

## Appendix

Roasted nuts and peanut butter manufacturing	<1	8	11	70
Other snack food manufacturing	<1	78	317	745
Coffee and tea manufacturing	<1	2	5	30
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	2	5
Spice and extract manufacturing	<1	82	179	433
All other food manufacturing	<1	107	187	628
Bottled and canned soft drinks & water	<1	63	157	563
Manufactured ice	<1	9	8	25
Breweries	<1	25	81	286
Wineries	<1	12	29	124
Distilleries	<1	52	282	472
Tobacco product manufacturing	<1	5	256	348
Fiber, yarn, and thread mills	<1	0	0	8
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	0	2
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	2	2	12
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	4	4	15
Rope, cordage, twine, tire cord and tire fabric mills	<1	3	3	10
Other textile product mills	<1	11	10	34
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Men's and boys' cut and sew apparel manufacturing	<1	2	2	6
Women's and girls' cut and sew apparel manufacturing	<1	2	4	14
Other cut and sew apparel manufacturing	<1	2	3	10
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	<1	0	0	4
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	0	<1	1

## Appendix

Sawmills	<1	<1	<1	2
Wood preservation	<1	<1	1	5
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	3	8	25
Reconstituted wood product manufacturing	<1	3	14	43
Wood windows and door manufacturing	<1	27	48	127
Cut stock, resawing lumber, and planing	<1	<1	1	4
Other millwork, including flooring	<1	5	11	29
Wood container and pallet manufacturing	<1	23	42	112
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	3	7	19
All other miscellaneous wood product manufacturing	<1	14	26	69
Pulp mills	0	0	0	0
Paper mills	<1	16	33	155
Paperboard mills	<1	2	4	20
Paperboard container manufacturing	<1	70	109	418
Paper bag and coated and treated paper manufacturing	<1	6	9	31
Stationery product manufacturing	<1	13	17	77
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	11	19	72
Printing	<1	630	1,245	2,157
Support activities for printing	<1	6	12	16
Petroleum refineries	<1	211	1,889	11,466
Asphalt paving mixture and block manufacturing	<1	4	7	33
Asphalt shingle and coating materials manufacturing	<1	4	14	40
Petroleum lubricating oil and grease manufacturing	<1	52	130	443
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	2	13	57
Industrial gas manufacturing	<1	3	6	20

## Appendix

Synthetic dye and pigment manufacturing	<1	4	7	23
Other basic inorganic chemical manufacturing	<1	25	41	108
Other basic organic chemical manufacturing	<1	33	64	421
Plastics material and resin manufacturing	<1	1	1	11
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	0	5	17
Nitrogenous fertilizer manufacturing	<1	18	41	98
Phosphatic fertilizer manufacturing	<1	<1	<1	4
Fertilizer mixing	<1	<1	1	4
Pesticide and other agricultural chemical manufacturing	<1	5	11	50
Medicinal and botanical manufacturing	<1	0	1	3
Pharmaceutical preparation manufacturing	<1	128	263	681
In-vitro diagnostic substance manufacturing	<1	32	38	95
Biological product (except diagnostic) manufacturing	<1	34	68	144
Paint and coating manufacturing	<1	10	15	57
Adhesive manufacturing	<1	5	6	21
Soap and other detergent manufacturing	<1	66	120	348
Polish and other sanitation good manufacturing	<1	27	36	108
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1	3	8
Printing ink manufacturing	<1	9	9	29
Explosives manufacturing	<1	6	7	22
Custom compounding of purchased resins	<1	<1	<1	3
Photographic film and chemical manufacturing	<1	8	13	46
Other miscellaneous chemical product manufacturing	<1	46	62	167
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	20	32	142
Unlaminated plastics profile shape manufacturing	<1	1	3	13
Plastics pipe and pipe fitting manufacturing	<1	10	26	114

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	13	21	75
Polystyrene foam product manufacturing	<1	3	5	17
Urethane and other foam product (except polystyrene) manufacturing	<1	5	9	37
Plastics bottle manufacturing	<1	6	9	48
Other plastics product manufacturing	<1	147	221	783
Tire manufacturing	<1	164	215	745
Rubber and plastics hoses and belting manufacturing	<1	7	11	43
Other rubber product manufacturing	<1	7	9	30
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	<1
Brick, tile, and other structural clay product manufacturing	<1	5	7	23
Flat glass manufacturing	<1	9	15	40
Other pressed and blown glass and glassware manufacturing	<1	4	5	15
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	5	7	22
Cement manufacturing	<1	11	19	63
Ready-mix concrete manufacturing	<1	41	56	232
Concrete block and brick manufacturing	<1	13	18	53
Concrete pipe manufacturing	<1	4	6	19
Other concrete product manufacturing	<1	17	21	65
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	13	28	95
Abrasive product manufacturing	<1	1	2	5
Cut stone and stone product manufacturing	<1	12	14	39
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	9	17	45
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	1	2	30
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	6



## Appendix

Rolled steel shape manufacturing	<1	<1	<1	<1
Steel wire drawing	<1	<1	<1	4
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	0	0	<1
Other aluminum rolling, drawing and extruding	<1	1	1	7
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	5	5	75
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	0	<1	<1
Ferrous metal foundries	<1	6	7	24
Nonferrous metal foundries	<1	0	0	<1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	<1	1	4
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	6	11	37
Handtool manufacturing	<1	10	14	45
Prefabricated metal buildings and components manufacturing	<1	5	6	27
Fabricated structural metal manufacturing	<1	17	23	99
Plate work manufacturing	<1	8	9	29
Metal window and door manufacturing	<1	27	34	112
Sheet metal work manufacturing	<1	16	19	66
Ornamental and architectural metal work manufacturing	<1	5	6	19
Power boiler and heat exchanger manufacturing	<1	<1	<1	2
Metal tank (heavy gauge) manufacturing	<1	4	5	19
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	2	2	10
Hardware manufacturing	<1	5	6	25
Spring and wire product manufacturing	<1	2	3	12

## Appendix

Machine shops	<1	52	58	136
Turned product and screw, nut, and bolt manufacturing	<1	5	6	19
Metal heat treating	<1	4	4	13
Metal coating and nonprecious engraving	<1	4	6	22
Electroplating, anodizing, and coloring metal	<1	13	14	34
Valve and fittings, other than plumbing, manufacturing	<1	6	8	33
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	3	4	15
Small arms ammunition manufacturing	<1	1	2	8
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	2	4	12
Fabricated pipe and pipe fitting manufacturing	<1	6	7	23
Other fabricated metal manufacturing	<1	28	34	111
Farm machinery and equipment manufacturing	<1	3	6	27
Lawn and garden equipment manufacturing	<1	<1	2	8
Construction machinery manufacturing	<1	4	9	26
Mining machinery and equipment manufacturing	<1	0	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	3
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	1	2	5
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	0	<1	<1
Other commercial service industry machinery manufacturing	<1	2	3	11

## Appendix

Air purification and ventilation equipment manufacturing	<1	<1	<1	3
Heating equipment (except warm air furnaces) manufacturing	<1	37	61	197
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	27	46	157
Industrial mold manufacturing	<1	1	2	4
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1
Cutting tool and machine tool accessory manufacturing	<1	3	4	10
Machine tool manufacturing	<1	5	7	18
Rolling mill and other metalworking machinery manufacturing	<1	25	34	83
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	0	0	1
Mechanical power transmission equipment manufacturing	<1	6	9	18
Other engine equipment manufacturing	<1	0	2	8
Pump and pumping equipment manufacturing	<1	<1	1	4
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	2	2	5
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	1	2	6
Power-driven handtool manufacturing	<1	<1	2	6
Welding and soldering equipment manufacturing	<1	0	0	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	0	0	<1
Fluid power cylinder and actuator manufacturing	<1	<1	2	4
Fluid power pump and motor manufacturing	<1	2	2	6

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	2
Electronic computer manufacturing	<1	0	0	<1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	1
Telephone apparatus manufacturing	<1	<1	2	4
Broadcast and wireless communications equipment manufacturing	<1	3	5	12
Other communications equipment manufacturing	<1	<1	<1	2
Audio and video equipment manufacturing	<1	<1	2	8
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	1	8
Bare printed circuit board manufacturing	<1	<1	<1	1
Semiconductor and related device manufacturing	<1	<1	<1	3
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	2	7
Electronic connector manufacturing	<1	1	1	3
Other electronic component manufacturing	<1	3	3	14
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	<1	0	0	1
Industrial process variable instruments manufacturing	<1	<1	<1	1
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	<1	0	0	<1
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	<1	5	19	65
Software and other prerecorded and record reproducing	<1	4	7	15
Electric lamp bulb and part manufacturing	<1	<1	<1	<1
Lighting fixture manufacturing	<1	3	5	14
Small electrical appliance manufacturing	<1	3	6	15
Household cooking appliance manufacturing	<1	1	3	7
Household refrigerator and home freezer manufacturing	<1	1	3	8
Household laundry equipment manufacturing	<1	3	8	23
Other major household appliance manufacturing	<1	0	3	7
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	3
Motor and generator manufacturing	<1	2	3	7
Switchgear and switchboard apparatus manufacturing	<1	<1	1	3
Relay and industrial control manufacturing	<1	3	3	10
Storage battery manufacturing	<1	32	58	173
Primary battery manufacturing	<1	4	56	46
Fiber optic cable manufacturing	<1	3	5	24
Other communication and energy wire manufacturing	<1	<1	<1	5
Wiring device manufacturing	<1	11	28	57
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	0	0	<1
Automobile manufacturing	<1	87	127	1,084
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	0	0	<1
Motor vehicle body manufacturing	<1	2	2	9
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	10	11	69

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	6	7	48
Motor vehicle electrical and electronic equipment manufacturing	<1	26	30	155
Motor vehicle transmission and power train parts manufacturing	<1	16	18	91
Motor vehicle seating and interior trim manufacturing	<1	4	4	29
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	50	54	335
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	1	3	6
Aircraft engine and engine parts manufacturing	<1	0	<1	1
Other aircraft parts and auxiliary equipment manufacturing	<1	5	7	16
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	0	0	0	0
Boat building	<1	3	5	13
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	4	9	27
Wood kitchen cabinet and countertop manufacturing	<1	28	33	94
Upholstered household furniture manufacturing	<1	<1	<1	3
Nonupholstered wood household furniture manufacturing	<1	2	3	9
Other household nonupholstered furniture manufacturing	<1	<1	<1	3
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	2	2	8
Showcase, partition, shelving, and locker manufacturing	<1	1	2	5
Mattress manufacturing	<1	8	13	52
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	5	5	13
Surgical appliance and supplies manufacturing	<1	5	7	22
Dental equipment and supplies manufacturing	<1	0	<1	<1
Ophthalmic goods manufacturing	<1	1	2	4
Dental laboratories	<1	12	12	22
Jewelry and silverware manufacturing	<1	7	13	37
Sporting and athletic goods manufacturing	<1	12	14	53
Doll, toy, and game manufacturing	<1	11	13	70
Office supplies (except paper) manufacturing	<1	1	1	16
Sign manufacturing	<1	33	30	72
Gasket, packing, and sealing device manufacturing	<1	1	1	3
Musical instrument manufacturing	<1	2	2	7
Fasteners, buttons, needles, and pins manufacturing	<1	0	<1	<1
Broom, brush, and mop manufacturing	<1	20	22	66
Burial casket manufacturing	<1	<1	<1	1
All other miscellaneous manufacturing	<1	18	21	71
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	231	499	1,212
Wholesale - Professional and commercial equipment and supplies	<1	827	1,264	2,213
Wholesale - Household appliances and electrical and electronic goods	<1	238	568	1,285
Wholesale - Machinery, equipment, and supplies	<1	358	669	1,271
Wholesale - Other durable goods merchant wholesalers	<1	767	1,356	2,837

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	610	1,481	3,001
Wholesale - Grocery and related product wholesalers	<1	672	1,023	2,022
Wholesale - Petroleum and petroleum products	<1	186	1,557	2,128
Wholesale - Other nondurable goods merchant wholesalers	<1	1,522	3,154	6,446
Wholesale - Wholesale electronic markets and agents and brokers	<1	594	675	789
Retail - Motor vehicle and parts dealers	<1	899	1,461	2,055
Retail - Furniture and home furnishings stores	<1	468	733	1,202
Retail - Electronics and appliance stores	<1	518	531	834
Retail - Building material and garden equipment and supplies stores	<1	494	1,104	1,574
Retail - Food and beverage stores	<1	1,672	2,534	4,158
Retail - Health and personal care stores	<1	978	1,307	1,937
Retail - Gasoline stores	<1	425	1,118	2,075
Retail - Clothing and clothing accessories stores	<1	468	926	1,904
Retail - Sporting goods, hobby, musical instrument and book stores	<1	457	665	1,067
Retail - General merchandise stores	<1	1,367	2,303	3,819
Retail - Miscellaneous store retailers	<1	1,000	1,171	1,873
Retail - Nonstore retailers	<1	739	4,341	7,810
Air transportation	<1	198	407	1,104
Rail transportation	<1	198	742	1,205
Water transportation	<1	-29	-26	89
Truck transportation	<1	1,838	2,656	5,189
Transit and ground passenger transportation	<1	584	777	1,084
Pipeline transportation	<1	614	1,061	1,408
Scenic and sightseeing transportation and support activities for transportation	<1	885	754	1,156
Couriers and messengers	<1	839	1,840	2,135
Warehousing and storage	<1	1,417	1,534	2,863
Newspaper publishers	<1	106	132	251
Periodical publishers	<1	118	140	314
Book publishers	<1	139	215	804



Appendix

Directory, mailing list, and other publishers	<1	116	165	385
Greeting card publishing	0	0	0	0
Software publishers	<1	1,278	1,679	2,654
Motion picture and video industries	<1	142	178	749
Sound recording industries	<1	61	189	621
Radio and television broadcasting	<1	482	911	2,381
Cable and other subscription programming	<1	101	953	1,800
Wired telecommunications carriers	<1	2,210	3,003	3,947
Wireless telecommunications carriers (except satellite)	<1	893	3,463	6,044
Satellite, telecommunications resellers, and all other telecommunications	<1	286	275	376
Data processing, hosting, and related services	<1	717	1,500	4,118
News syndicates, libraries, archives and all other information services	<1	74	115	256
Internet publishing and broadcasting and web search portals	<1	245	634	3,641
Nondepository credit intermediation and related activities	<1	1,161	1,238	1,890
Securities and commodity contracts intermediation and brokerage	<1	1,639	1,558	3,174
Monetary authorities and depository credit intermediation	<1	3,542	7,891	15,352
Other financial investment activities	<1	2,186	2,582	7,232
Direct life insurance carriers	<1	241	524	704
Insurance carriers, except direct life	<1	1,593	5,664	11,609
Insurance agencies, brokerages, and related activities	<1	2,397	3,939	9,041
Funds, trusts, and other financial vehicles	<1	472	538	2,787
Other real estate	<1	4,706	12,207	31,274
Tenant-occupied housing	<1	504	5,396	5,777
Owner-occupied dwellings	0	0	21,950	26,491
Automotive equipment rental and leasing	<1	371	1,514	1,550

## Appendix

General and consumer goods rental except video tapes and discs	<1	672	1,144	1,290
Video tape and disc rental	<1	94	159	250
Commercial and industrial machinery and equipment rental and leasing	<1	422	1,463	1,533
Lessors of nonfinancial intangible assets	<1	6	1,353	1,362
Legal services	<1	1,114	1,924	2,863
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,612	2,198	3,456
Architectural, engineering, and related services	<1	11,562	13,208	23,721
Specialized design services	<1	193	363	612
Custom computer programming services	<1	677	718	1,010
Computer systems design services	<1	954	922	1,186
Other computer related services, including facilities management	<1	325	469	896
Management consulting services	<1	20,803	21,650	36,491
Environmental and other technical consulting services	<1	635	726	1,165
Scientific research and development services	<1	777	1,047	2,044
Advertising, public relations, and related services	<1	806	1,454	3,084
Photographic services	<1	36	104	234
Veterinary services	<1	180	211	343
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	709	1,330	2,832
Management of companies and enterprises	<1	5,149	5,985	9,159
Office administrative services	<1	1,784	1,059	2,076
Facilities support services	<1	116	172	439
Employment services	<1	3,643	5,494	8,689
Business support services	<1	895	828	1,423
Travel arrangement and reservation services	<1	161	285	826
Investigation and security services	<1	536	547	773
Services to buildings	<1	908	1,397	2,740
Landscape and horticultural services	<1	738	953	1,724
Other support services	<1	362	494	1,010
Waste management and remediation services	<1	346	557	1,205

## Appendix

Elementary and secondary schools	<1	242	201	259
Junior colleges, colleges, universities, and professional schools	2	62,411	78,504	121,392
Other educational services	<1	13,936	15,213	31,080
Offices of physicians	<1	5,782	5,815	7,946
Offices of dentists	<1	1,415	1,629	2,200
Offices of other health practitioners	<1	1,102	1,541	1,995
Outpatient care centers	<1	1,274	1,255	2,076
Medical and diagnostic laboratories	<1	533	787	1,087
Home health care services	<1	1,198	1,191	1,514
Other ambulatory health care services	<1	392	446	651
Hospitals	<1	9,825	11,809	22,310
Nursing and community care facilities	<1	1,701	1,880	3,064
Residential mental retardation, mental health, substance abuse and other facilities	<1	634	653	949
Individual and family services	<1	2,875	2,652	3,754
Child day care services	<1	597	1,013	1,322
Community food, housing, and other relief services, including rehabilitation services	<1	603	568	1,257
Performing arts companies	<1	87	168	490
Commercial Sports Except Racing	<1	126	133	349
Racing and Track Operation	<1	22	40	95
Independent artists, writers, and performers	<1	37	124	272
Promoters of performing arts and sports and agents for public figures	<1	137	387	1,353
Museums, historical sites, zoos, and parks	<1	56	69	144
Amusement parks and arcades	<1	12	20	27
Gambling industries (except casino hotels)	<1	327	1,046	1,451
Other amusement and recreation industries	<1	236	169	292
Fitness and recreational sports centers	<1	171	213	380
Bowling centers	<1	31	41	77
Hotels and motels, including casino hotels	<1	95	167	284
Other accommodations	<1	31	39	53

## Appendix

Full-service restaurants	<1	2,795	4,727	9,022
Limited-service restaurants	<1	2,067	3,589	8,094
All other food and drinking places	<1	1,740	2,573	4,266
Automotive repair and maintenance, except car washes	<1	2,013	2,529	3,479
Car washes	<1	972	1,581	2,318
Electronic and precision equipment repair and maintenance	<1	328	467	708
Commercial and industrial machinery and equipment repair and maintenance	<1	776	871	1,268
Personal and household goods repair and maintenance	<1	178	343	482
Personal care services	<1	620	464	555
Death care services	<1	145	121	161
Dry-cleaning and laundry services	<1	308	242	301
Other personal services	<1	330	432	612
Religious organizations	<1	2,008	1,253	3,129
Grantmaking, giving, and social advocacy organizations	<1	532	1,749	2,433
Business and professional associations	<1	437	762	1,234
Labor and civic organizations	<1	390	1,233	1,956
Private households	<1	242	242	242
Postal service	<1	996	1,001	1,001
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	44	-784	38
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	13	3	9
Local government electric utilities	<1	112	371	728
Other local government enterprises	<1	674	1,470	3,893
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	164,494	361,015	660,649

## Investments in Climate Change Research and Technology

**Table 675: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	57	4,278,659	6,517,642	12,875,144
Oilseed farming	<1	4,165	8,032	25,182
Grain farming	<1	7,013	9,569	50,559
Vegetable and melon farming	<1	198	266	763
Fruit farming	<1	40	52	118
Tree nut farming	<1	17	22	53
Greenhouse, nursery, and floriculture production	<1	213	278	772
Tobacco farming	0	0	0	0
Cotton farming	<1	210	244	655
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,040	1,279	3,602
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	6,110	8,381	44,447
Dairy cattle and milk production	<1	583	843	6,717
Poultry and egg production	<1	160	235	3,347
Animal production, except cattle and poultry and eggs	<1	2,650	4,674	9,814
Forestry, forest products, and timber tract production	<1	105	130	186

## Appendix

Commercial logging	<1	45	57	117
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	17	197	323
Support activities for agriculture and forestry	<1	4,263	3,880	4,100
Oil and gas extraction	<1	6,663	8,917	172,350
Coal mining	<1	72	173	316
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	411	1,497	2,633
Sand and gravel mining	<1	373	639	1,216
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	28	40	85
Phosphate rock mining	<1	10	17	37
Other chemical and fertilizer mineral mining	<1	14	21	46
Other nonmetallic minerals	<1	71	123	254
Drilling oil and gas wells	<1	2	3	20
Support activities for oil and gas operations	<1	180	214	843
Metal mining services	<1	61	111	2,242
Other nonmetallic minerals services	<1	6	9	165
Electric power generation - Hydroelectric	<1	79	190	382
Electric power generation - Fossil fuel	<1	2,377	9,791	24,942
Electric power generation - Nuclear	<1	2,719	5,945	13,347
Electric power generation - Solar	<1	124	292	587
Electric power generation - Wind	<1	1,276	12,327	24,829
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	8,296	32,282	80,965

## Appendix

Natural gas distribution	<1	5,713	21,524	49,736
Water, sewage and other systems	<1	220	515	982
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,757	12,650	33,731
Maintenance and repair construction of residential structures	<1	4,032	5,724	14,567
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	6	15
Dog and cat food manufacturing	<1	1,565	5,867	17,523
Other animal food manufacturing	<1	733	1,668	9,618
Flour milling	<1	559	1,656	7,077
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	1,295	3,688	16,475
Soybean and other oilseed processing	<1	106	1,094	6,523
Fats and oils refining and blending	<1	271	1,082	8,783
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	91	386	1,398
Nonchocolate confectionery manufacturing	<1	4	7	28

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	38	69	238
Confectionery manufacturing from purchased chocolate	<1	452	817	3,124
Frozen fruits, juices and vegetables manufacturing	<1	366	1,071	3,253
Frozen specialties manufacturing	<1	487	813	2,826
Canned fruits and vegetables manufacturing	<1	124	324	939
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	9	22	64
Cheese manufacturing	<1	61	109	991
Dry, condensed, and evaporated dairy product manufacturing	<1	65	234	1,065
Fluid milk manufacturing	<1	502	1,031	4,905
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	33	57	231
Frozen cakes and other pastries manufacturing	<1	341	535	1,052
Poultry processing	<1	218	300	1,015
Animal, except poultry, slaughtering	<1	4,912	6,566	39,137
Meat processed from carcasses	<1	3,432	3,363	23,785
Rendering and meat byproduct processing	<1	28	33	149
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	1,767	3,055	6,349
Cookie and cracker manufacturing	<1	1,162	1,974	4,442
Dry pasta, mixes, and dough manufacturing	<1	56	185	469
Tortilla manufacturing	<1	504	802	1,840
Roasted nuts and peanut butter manufacturing	<1	75	99	669
Other snack food manufacturing	<1	844	3,450	8,430
Coffee and tea manufacturing	<1	11	27	167
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	5	12	37
Spice and extract manufacturing	<1	481	999	2,439
All other food manufacturing	<1	874	1,508	5,077
Bottled and canned soft drinks & water	<1	885	2,167	7,756
Manufactured ice	<1	100	94	319



## Appendix

Breweries	<1	116	353	1,286
Wineries	<1	92	234	1,051
Distilleries	<1	505	2,234	3,926
Tobacco product manufacturing	<1	62	2,353	3,598
Fiber, yarn, and thread mills	<1	8	10	93
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	2	1	8
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	1	1	6
Textile and fabric finishing mills	<1	3	3	22
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	32	30	179
Curtain and linen mills	<1	1	1	8
Textile bag and canvas mills	<1	61	57	240
Rope, cordage, twine, tire cord and tire fabric mills	<1	84	75	327
Other textile product mills	<1	140	135	484
Hosiery and sock mills	<1	2	4	10
Other apparel knitting mills	<1	3	5	14
Cut and sew apparel contractors	<1	8	11	22
Men's and boys' cut and sew apparel manufacturing	<1	11	15	52
Women's and girls' cut and sew apparel manufacturing	<1	13	22	111
Other cut and sew apparel manufacturing	<1	6	9	35
Apparel accessories and other apparel manufacturing	<1	3	5	16
Leather and hide tanning and finishing	<1	1	3	33
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	16
Sawmills	<1	4	11	44
Wood preservation	<1	5	26	94
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	53	126	379
Reconstituted wood product manufacturing	<1	60	316	1,006
Wood windows and door manufacturing	<1	559	994	2,692
Cut stock, resawing lumber, and planing	<1	8	25	64

## Appendix

Other millwork, including flooring	<1	86	202	516
Wood container and pallet manufacturing	<1	293	542	1,459
Manufactured home (mobile home) manufacturing	<1	<1	1	3
Prefabricated wood building manufacturing	<1	37	100	256
All other miscellaneous wood product manufacturing	<1	170	336	957
Pulp mills	0	0	0	0
Paper mills	<1	220	585	2,350
Paperboard mills	<1	63	147	667
Paperboard container manufacturing	<1	1,229	2,000	7,599
Paper bag and coated and treated paper manufacturing	<1	87	147	498
Stationery product manufacturing	<1	96	130	646
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	143	266	970
Printing	<1	8,883	16,899	31,628
Support activities for printing	<1	74	139	192
Petroleum refineries	<1	4,643	35,714	232,966
Asphalt paving mixture and block manufacturing	<1	65	92	506
Asphalt shingle and coating materials manufacturing	<1	48	155	490
Petroleum lubricating oil and grease manufacturing	<1	23,850	56,723	252,076
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	788	4,903	24,544
Industrial gas manufacturing	<1	80	151	500
Synthetic dye and pigment manufacturing	<1	126	170	538
Other basic inorganic chemical manufacturing	<1	1,778	2,464	6,804
Other basic organic chemical manufacturing	<1	1,453	2,426	16,347
Plastics material and resin manufacturing	<1	41	54	458
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	74	93	309
Nitrogenous fertilizer manufacturing	<1	236	493	1,388

## Appendix

Phosphatic fertilizer manufacturing	<1	14	24	94
Fertilizer mixing	<1	15	21	67
Pesticide and other agricultural chemical manufacturing	<1	75	151	710
Medicinal and botanical manufacturing	<1	5	6	20
Pharmaceutical preparation manufacturing	<1	1,221	1,995	5,997
In-vitro diagnostic substance manufacturing	<1	155	177	453
Biological product (except diagnostic) manufacturing	<1	284	541	1,243
Paint and coating manufacturing	<1	111	149	586
Adhesive manufacturing	<1	80	98	370
Soap and other detergent manufacturing	<1	726	1,167	3,931
Polish and other sanitation good manufacturing	<1	387	463	1,498
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	15	27	77
Printing ink manufacturing	<1	127	131	408
Explosives manufacturing	<1	58	62	185
Custom compounding of purchased resins	<1	89	108	469
Photographic film and chemical manufacturing	<1	169	275	1,036
Other miscellaneous chemical product manufacturing	<1	1,015	1,204	3,232
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	281	448	2,106
Unlaminated plastics profile shape manufacturing	<1	33	73	315
Plastics pipe and pipe fitting manufacturing	<1	150	400	1,731
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	157	255	925
Polystyrene foam product manufacturing	<1	56	96	355
Urethane and other foam product (except polystyrene) manufacturing	<1	86	142	624
Plastics bottle manufacturing	<1	194	299	1,611
Other plastics product manufacturing	<1	2,182	3,173	11,979
Tire manufacturing	<1	1,755	2,194	8,046

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	171	266	1,088
Other rubber product manufacturing	<1	368	462	1,540
Pottery, ceramics, and plumbing fixture manufacturing	<1	2	3	7
Brick, tile, and other structural clay product manufacturing	<1	106	157	478
Flat glass manufacturing	<1	171	276	779
Other pressed and blown glass and glassware manufacturing	<1	160	227	615
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	139	212	643
Cement manufacturing	<1	164	297	980
Ready-mix concrete manufacturing	<1	748	1,061	4,288
Concrete block and brick manufacturing	<1	127	191	549
Concrete pipe manufacturing	<1	72	102	307
Other concrete product manufacturing	<1	338	447	1,337
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	213	463	1,579
Abrasive product manufacturing	<1	18	32	76
Cut stone and stone product manufacturing	<1	211	254	680
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	198	405	1,050
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	21	37	548
Iron, steel pipe and tube manufacturing from purchased steel	<1	11	15	95
Rolled steel shape manufacturing	<1	2	3	18
Steel wire drawing	<1	9	12	61
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	3	4	18
Other aluminum rolling, drawing and extruding	<1	16	19	96
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	83	117	1,621
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	1	2	13
Ferrous metal foundries	<1	105	120	409
Nonferrous metal foundries	<1	1	2	8
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	15	18	73
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	43	74	285
Handtool manufacturing	<1	108	149	486
Prefabricated metal buildings and components manufacturing	<1	87	116	471
Fabricated structural metal manufacturing	<1	423	555	2,421
Plate work manufacturing	<1	147	161	567
Metal window and door manufacturing	<1	357	446	1,566
Sheet metal work manufacturing	<1	263	324	1,150
Ornamental and architectural metal work manufacturing	<1	81	93	318
Power boiler and heat exchanger manufacturing	<1	15	19	74
Metal tank (heavy gauge) manufacturing	<1	82	94	358
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	77	93	508
Hardware manufacturing	<1	72	96	405
Spring and wire product manufacturing	<1	36	44	192
Machine shops	<1	1,092	1,223	2,931
Turned product and screw, nut, and bolt manufacturing	<1	66	79	277
Metal heat treating	<1	70	84	256
Metal coating and nonprecious engraving	<1	81	118	441
Electroplating, anodizing, and coloring metal	<1	244	259	650
Valve and fittings, other than plumbing, manufacturing	<1	105	138	569
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	<1	28	40	172
Small arms ammunition manufacturing	<1	11	23	113
Ammunition, except for small arms, manufacturing	<1	5	6	14
Small arms, ordnance, and accessories manufacturing	<1	26	44	145
Fabricated pipe and pipe fitting manufacturing	<1	89	103	332
Other fabricated metal manufacturing	<1	374	451	1,502
Farm machinery and equipment manufacturing	<1	185	365	1,628
Lawn and garden equipment manufacturing	<1	23	43	203
Construction machinery manufacturing	<1	51	123	393
Mining machinery and equipment manufacturing	<1	3	5	15
Oil and gas field machinery and equipment manufacturing	<1	22	30	112
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	2	3	7
Sawmill, woodworking, and paper machinery	<1	5	5	15
Printing machinery and equipment manufacturing	<1	3	3	12
All other industrial machinery manufacturing	<1	14	19	55
Optical instrument and lens manufacturing	<1	9	14	37
Photographic and photocopying equipment manufacturing	<1	2	2	7
Other commercial service industry machinery manufacturing	<1	25	43	136
Air purification and ventilation equipment manufacturing	<1	14	18	53
Heating equipment (except warm air furnaces) manufacturing	<1	118	192	666
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	293	539	1,855
Industrial mold manufacturing	<1	15	18	43
Special tool, die, jig, and fixture manufacturing	<1	5	7	16

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	39	46	123
Machine tool manufacturing	<1	6	8	21
Rolling mill and other metalworking machinery manufacturing	<1	20	28	71
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5	9	28
Mechanical power transmission equipment manufacturing	<1	134	198	393
Other engine equipment manufacturing	<1	13	34	155
Pump and pumping equipment manufacturing	<1	10	18	64
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	<1	<1	4
Conveyor and conveying equipment manufacturing	<1	21	25	77
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	15
Industrial truck, trailer, and stacker manufacturing	<1	18	32	114
Power-driven handtool manufacturing	<1	5	14	40
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	<1	<1	1
Industrial process furnace and oven manufacturing	<1	1	2	4
Fluid power cylinder and actuator manufacturing	<1	17	25	81
Fluid power pump and motor manufacturing	<1	17	30	105
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	8	10	27
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	1,801	2,847	6,948
Telephone apparatus manufacturing	<1	44	74	206

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	35	49	139
Other communications equipment manufacturing	<1	8	14	37
Audio and video equipment manufacturing	<1	4	8	49
Printed circuit assembly (electronic assembly) manufacturing	<1	14	22	118
Bare printed circuit board manufacturing	<1	7	9	32
Semiconductor and related device manufacturing	<1	6	10	45
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	14	19	70
Electronic connector manufacturing	<1	86	119	338
Other electronic component manufacturing	<1	27	34	134
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	1	5
Automatic environmental control manufacturing	<1	5	6	15
Industrial process variable instruments manufacturing	<1	6	9	26
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	1	4
Analytical laboratory instrument manufacturing	<1	<1	<1	2
Irradiation apparatus manufacturing	<1	0	0	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	2	3	11
Blank magnetic and optical recording media manufacturing	<1	45	171	646
Software and other prerecorded and record reproducing	<1	42	62	158
Electric lamp bulb and part manufacturing	<1	2	4	10
Lighting fixture manufacturing	<1	44	63	172
Small electrical appliance manufacturing	<1	20	53	150



## Appendix

Household cooking appliance manufacturing	<1	11	34	93
Household refrigerator and home freezer manufacturing	<1	13	38	98
Household laundry equipment manufacturing	<1	44	86	283
Other major household appliance manufacturing	<1	5	18	41
Power, distribution, and specialty transformer manufacturing	<1	5	7	20
Motor and generator manufacturing	<1	22	47	118
Switchgear and switchboard apparatus manufacturing	<1	10	22	61
Relay and industrial control manufacturing	<1	26	42	134
Storage battery manufacturing	<1	347	667	2,089
Primary battery manufacturing	<1	40	426	423
Fiber optic cable manufacturing	<1	30	54	269
Other communication and energy wire manufacturing	<1	6	13	64
Wiring device manufacturing	<1	153	368	793
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	572	718	2,605
Automobile manufacturing	<1	1,280	2,614	19,251
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	6
Motor vehicle body manufacturing	<1	30	34	133
Truck trailer manufacturing	<1	3	3	17
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	209	232	1,387
Motor vehicle gasoline engine and engine parts manufacturing	<1	95	118	785
Motor vehicle electrical and electronic equipment manufacturing	<1	507	580	3,305
Motor vehicle transmission and power train parts manufacturing	<1	202	240	1,306
Motor vehicle seating and interior trim manufacturing	<1	102	112	709
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	996	1,145	6,881

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	31	68	155
Aircraft engine and engine parts manufacturing	<1	32	97	189
Other aircraft parts and auxiliary equipment manufacturing	<1	66	112	234
Guided missile and space vehicle manufacturing	<1	<1	1	3
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	3	3	13
Ship building and repairing	0	0	0	0
Boat building	<1	70	126	318
Motorcycle, bicycle, and parts manufacturing	<1	3	20	33
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	77	226	648
Wood kitchen cabinet and countertop manufacturing	<1	479	590	1,679
Upholstered household furniture manufacturing	<1	6	6	31
Nonupholstered wood household furniture manufacturing	<1	27	30	103
Other household nonupholstered furniture manufacturing	<1	4	6	36
Institutional furniture manufacturing	<1	2	2	7
Wood office furniture manufacturing	<1	<1	<1	3
Custom architectural woodwork and millwork	<1	5	5	17
Office furniture, except wood, manufacturing	<1	19	29	96
Showcase, partition, shelving, and locker manufacturing	<1	27	34	103
Mattress manufacturing	<1	102	159	681
Blind and shade manufacturing	<1	3	3	10
Surgical and medical instrument manufacturing	<1	49	53	143
Surgical appliance and supplies manufacturing	<1	56	67	244

## Appendix

Dental equipment and supplies manufacturing	<1	<1	1	3
Ophthalmic goods manufacturing	<1	21	23	68
Dental laboratories	<1	115	117	213
Jewelry and silverware manufacturing	<1	90	165	477
Sporting and athletic goods manufacturing	<1	129	142	568
Doll, toy, and game manufacturing	<1	100	105	636
Office supplies (except paper) manufacturing	<1	6	8	109
Sign manufacturing	<1	645	578	1,437
Gasket, packing, and sealing device manufacturing	<1	19	20	53
Musical instrument manufacturing	<1	14	14	41
Fasteners, buttons, needles, and pins manufacturing	<1	<1	<1	4
Broom, brush, and mop manufacturing	<1	158	153	522
Burial casket manufacturing	<1	3	4	26
All other miscellaneous manufacturing	<1	205	231	846
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,903	6,413	15,307
Wholesale - Professional and commercial equipment and supplies	<1	10,398	16,032	28,451
Wholesale - Household appliances and electrical and electronic goods	<1	3,482	8,611	19,401
Wholesale - Machinery, equipment, and supplies	<1	6,831	12,996	24,632
Wholesale - Other durable goods merchant wholesalers	<1	9,513	17,100	35,693
Wholesale - Drugs and druggists'sundries	<1	7,360	18,681	38,168
Wholesale - Grocery and related product wholesalers	<1	6,474	10,071	19,961
Wholesale - Petroleum and petroleum products	<1	3,703	23,191	32,892
Wholesale - Other nondurable goods merchant wholesalers	<1	18,579	37,259	78,203
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,208	8,289	9,793
Retail - Motor vehicle and parts dealers	<1	11,324	18,347	26,035
Retail - Furniture and home furnishings stores	<1	5,384	8,411	14,061

## Appendix

Retail - Electronics and appliance stores	<1	6,005	6,079	9,916
Retail - Building material and garden equipment and supplies stores	<1	6,153	13,875	19,968
Retail - Food and beverage stores	<1	18,101	27,654	46,295
Retail - Health and personal care stores	<1	11,052	14,828	22,560
Retail - Gasoline stores	<1	4,900	13,622	26,167
Retail - Clothing and clothing accessories stores	<1	5,331	10,750	22,987
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,996	7,359	12,191
Retail - General merchandise stores	<1	16,324	27,545	46,523
Retail - Miscellaneous store retailers	<1	11,085	13,040	21,690
Retail - Nonstore retailers	<1	8,545	49,990	90,391
Air transportation	<1	1,803	3,451	9,709
Rail transportation	<1	3,454	13,626	21,487
Water transportation	<1	-153	-128	454
Truck transportation	<1	22,839	33,629	68,339
Transit and ground passenger transportation	<1	5,304	7,217	11,544
Pipeline transportation	<1	11,633	16,663	23,052
Scenic and sightseeing transportation and support activities for transportation	<1	24,222	21,650	32,789
Couriers and messengers	<1	10,456	24,972	28,815
Warehousing and storage	<1	19,101	20,529	39,421
Newspaper publishers	<1	1,411	1,549	3,170
Periodical publishers	<1	1,093	1,102	2,810
Book publishers	<1	1,079	1,396	5,800
Directory, mailing list, and other publishers	<1	1,793	2,238	5,528
Greeting card publishing	0	0	0	0
Software publishers	<1	15,315	17,667	29,939
Motion picture and video industries	<1	1,300	1,553	7,744
Sound recording industries	<1	283	816	2,967
Radio and television broadcasting	<1	6,388	12,481	38,353
Cable and other subscription programming	<1	1,007	10,041	21,050
Wired telecommunications carriers	<1	29,210	38,460	51,575

## Appendix

Wireless telecommunications carriers (except satellite)	<1	12,351	41,958	77,801
Satellite, telecommunications resellers, and all other telecommunications	<1	3,846	4,132	5,312
Data processing, hosting, and related services	<1	13,247	27,092	79,095
News syndicates, libraries, archives and all other information services	<1	1,066	1,602	3,890
Internet publishing and broadcasting and web search portals	<1	2,411	6,065	38,853
Nondepository credit intermediation and related activities	<1	14,181	15,022	23,893
Securities and commodity contracts intermediation and brokerage	<1	19,915	19,627	46,243
Monetary authorities and depository credit intermediation	<1	67,315	123,867	262,587
Other financial investment activities	<1	18,991	22,277	74,353
Direct life insurance carriers	<1	3,054	6,560	9,325
Insurance carriers, except direct life	<1	20,325	71,417	154,423
Insurance agencies, brokerages, and related activities	<1	32,673	53,841	128,203
Funds, trusts, and other financial vehicles	<1	4,703	5,369	30,854
Other real estate	2	62,413	171,836	464,337
Tenant-occupied housing	<1	4,681	54,631	59,395
Owner-occupied dwellings	0	0	237,051	287,572
Automotive equipment rental and leasing	<1	5,253	20,413	21,740
General and consumer goods rental except video tapes and discs	<1	5,826	10,042	11,500
Video tape and disc rental	<1	1,083	1,861	2,939
Commercial and industrial machinery and equipment rental and leasing	<1	6,399	21,514	23,028
Lessors of nonfinancial intangible assets	<1	158	32,087	32,446
Legal services	<1	46,568	76,874	117,217
Accounting, tax preparation, bookkeeping, and payroll services	<1	28,058	36,985	60,686
Architectural, engineering, and related services	<1	32,697	36,376	66,005
Specialized design services	<1	2,677	4,826	8,738

## Appendix

Custom computer programming services	<1	17,591	18,724	27,422
Computer systems design services	<1	16,388	15,775	20,776
Other computer related services, including facilities management	<1	4,411	6,374	12,474
Management consulting services	7	559,511	578,787	1,005,792
Environmental and other technical consulting services	<1	12,955	14,576	24,228
Scientific research and development services	14	1,293,553	1,788,469	3,527,934
Advertising, public relations, and related services	<1	12,756	22,198	49,944
Photographic services	<1	654	1,709	4,253
Veterinary services	<1	2,113	2,422	4,064
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	27,706	50,555	112,872
Management of companies and enterprises	<1	132,950	153,543	244,637
Office administrative services	<1	30,884	17,398	37,572
Facilities support services	<1	2,558	3,723	10,160
Employment services	2	93,458	138,646	236,406
Business support services	<1	18,457	16,851	31,224
Travel arrangement and reservation services	<1	3,065	5,435	16,788
Investigation and security services	<1	8,116	8,277	12,237
Services to buildings	<1	12,440	18,758	38,870
Landscape and horticultural services	<1	9,204	11,777	22,425
Other support services	<1	3,932	5,323	11,598
Waste management and remediation services	<1	4,952	8,099	17,675
Elementary and secondary schools	<1	2,269	1,925	2,526
Junior colleges, colleges, universities, and professional schools	2	62,011	79,176	121,233
Other educational services	<1	6,208	6,893	14,011
Offices of physicians	<1	66,986	67,098	93,192
Offices of dentists	<1	15,182	17,047	23,438
Offices of other health practitioners	<1	12,832	17,044	22,476
Outpatient care centers	<1	12,645	12,384	20,666
Medical and diagnostic laboratories	<1	5,884	8,197	11,765
Home health care services	<1	12,926	12,782	16,651

## Appendix

Other ambulatory health care services	<1	4,308	4,792	7,203
Hospitals	1	94,792	112,326	215,286
Nursing and community care facilities	<1	16,302	17,936	30,531
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,500	5,656	8,521
Individual and family services	<1	24,283	21,783	32,120
Child day care services	<1	6,014	9,355	12,845
Community food, housing, and other relief services, including rehabilitation services	<1	4,829	4,518	10,629
Performing arts companies	<1	913	1,786	5,703
Commercial Sports Except Racing	<1	1,617	1,546	4,335
Racing and Track Operation	<1	195	399	1,015
Independent artists, writers, and performers	<1	428	1,489	3,416
Promoters of performing arts and sports and agents for public figures	<1	1,387	4,181	15,994
Museums, historical sites, zoos, and parks	<1	489	602	1,325
Amusement parks and arcades	<1	106	180	255
Gambling industries (except casino hotels)	<1	3,000	9,294	13,347
Other amusement and recreation industries	<1	2,555	1,824	3,247
Fitness and recreational sports centers	<1	1,660	1,973	3,736
Bowling centers	<1	332	419	836
Hotels and motels, including casino hotels	<1	1,102	2,042	3,514
Other accommodations	<1	276	358	496
Full-service restaurants	1	32,915	56,120	110,906
Limited-service restaurants	<1	23,503	41,095	97,696
All other food and drinking places	<1	24,054	36,169	61,883
Automotive repair and maintenance, except car washes	<1	22,761	30,446	42,206
Car washes	<1	11,704	19,137	28,407
Electronic and precision equipment repair and maintenance	<1	5,061	7,254	11,432
Commercial and industrial machinery and equipment repair and maintenance	<1	11,316	13,027	19,678
Personal and household goods repair and maintenance	<1	2,297	4,956	6,910

Appendix

Personal care services	<1	6,351	5,830	6,809
Death care services	<1	1,482	1,450	1,906
Dry-cleaning and laundry services	<1	3,734	3,499	4,273
Other personal services	<1	4,330	5,947	8,532
Religious organizations	<1	16,427	13,076	28,537
Grantmaking, giving, and social advocacy organizations	<1	3,763	15,578	21,149
Business and professional associations	<1	4,853	9,875	15,985
Labor and civic organizations	<1	3,107	12,358	18,900
Private households	<1	2,650	2,650	2,660
Postal service	<1	13,089	13,149	13,240
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	510	-7,905	411
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	159	100	176
Local government electric utilities	<1	1,464	6,001	11,522
Other local government enterprises	<1	7,423	23,009	51,449
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	523,260	821,696	1,471,084

## Kentucky

## NASA

Table 676: Detailed NASA Impacts by Types of Impact, Kentucky

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	90	6,805,236	10,892,763	21,287,743
Oilseed farming	<1	10,004	26,729	35,876
Grain farming	<1	6,438	11,093	33,654
Vegetable and melon farming	<1	322	528	888
Fruit farming	<1	119	183	233
Tree nut farming	<1	7	11	15
Greenhouse, nursery, and floriculture production	<1	292	491	958
Tobacco farming	<1	2,390	2,882	5,825
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,523	2,290	4,507
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,039	6,030	14,120
Dairy cattle and milk production	<1	404	761	3,185
Poultry and egg production	<1	881	2,075	17,805
Animal production, except cattle and poultry and eggs	<1	11,210	27,326	31,139
Forestry, forest products, and timber tract production	<1	85	92	126
Commercial logging	<1	975	977	1,528
Commercial fishing	<1	-22	294	296
Commercial hunting and trapping	<1	22	188	263
Support activities for agriculture and forestry	<1	4,757	4,889	5,410
Oil and gas extraction	<1	629	2,118	31,119
Coal mining	<1	1,667	4,720	7,242
Copper, nickel, lead, and zinc mining	<1	14	59	94
Iron ore mining	<1	5	15	25
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	782	2,695	4,328
Sand and gravel mining	<1	173	308	516

## Appendix

Other clay, ceramic, refractory minerals mining	<1	18	35	67
Potash, soda, and borate mineral mining	<1	<1	<1	1
Phosphate rock mining	<1	<1	<1	<1
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	<1	1	2
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	5	9	34
Metal mining services	<1	8	23	361
Other nonmetallic minerals services	<1	11	16	139
Electric power generation - Hydroelectric	<1	8	23	40
Electric power generation - Fossil fuel	<1	4,685	23,787	54,296
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	89	251	454
Electric power generation - Wind	<1	40	469	747
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	375	70	241
Electric power transmission and distribution	<1	16,383	78,943	169,740
Natural gas distribution	<1	3,575	17,158	33,626
Water, sewage and other systems	<1	958	2,555	4,453
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	16,913	21,030	61,935
Maintenance and repair construction of residential structures	<1	6,902	8,759	23,754
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	8	22
Dog and cat food manufacturing	<1	427	926	4,129
Other animal food manufacturing	<1	852	1,373	11,363
Flour milling	<1	122	221	2,023
Rice milling	<1	3	5	36
Malt manufacturing	<1	2	3	18
Wet corn milling	<1	627	1,166	6,190
Soybean and other oilseed processing	<1	87	393	3,834
Fats and oils refining and blending	<1	41	89	882
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	62	138	567
Nonchocolate confectionery manufacturing	<1	401	516	1,717
Chocolate and confectionery manufacturing from cacao beans	<1	22	30	126
Confectionery manufacturing from purchased chocolate	<1	211	276	1,207
Frozen fruits, juices and vegetables manufacturing	<1	13	23	77
Frozen specialties manufacturing	<1	1,252	1,561	6,136
Canned fruits and vegetables manufacturing	<1	470	765	2,995
Canned specialties	<1	<1	2	9
Dehydrated food products manufacturing	<1	9	14	52
Cheese manufacturing	<1	309	399	4,476
Dry, condensed, and evaporated dairy product manufacturing	<1	251	490	3,742
Fluid milk manufacturing	<1	783	1,100	7,311
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	41	53	286

## Appendix

Frozen cakes and other pastries manufacturing	<1	405	577	1,185
Poultry processing	<1	3,698	4,384	20,516
Animal, except poultry, slaughtering	<1	1,562	1,839	14,193
Meat processed from carcasses	<1	2,040	1,960	16,162
Rendering and meat byproduct processing	<1	120	115	661
Seafood product preparation and packaging	<1	8	10	64
Bread and bakery product, except frozen, manufacturing	<1	2,469	3,265	7,607
Cookie and cracker manufacturing	<1	2,010	2,599	8,311
Dry pasta, mixes, and dough manufacturing	<1	451	840	3,664
Tortilla manufacturing	<1	40	49	189
Roasted nuts and peanut butter manufacturing	<1	592	1,392	4,084
Other snack food manufacturing	<1	155	268	1,286
Coffee and tea manufacturing	<1	21	33	185
Flavoring syrup and concentrate manufacturing	<1	1,617	8,663	17,003
Mayonnaise, dressing, and sauce manufacturing	<1	209	338	1,776
Spice and extract manufacturing	<1	309	441	1,722
All other food manufacturing	<1	668	864	4,158
Bottled and canned soft drinks & water	<1	1,119	1,752	9,838
Manufactured ice	<1	38	23	120
Breweries	<1	347	662	2,484
Wineries	<1	149	239	1,217
Distilleries	<1	9,763	30,659	68,395
Tobacco product manufacturing	<1	1,085	26,281	48,189
Fiber, yarn, and thread mills	<1	6	8	30
Broadwoven fabric mills	<1	19	30	103
Narrow fabric mills and schiffli machine embroidery	<1	16	19	51
Nonwoven fabric mills	<1	179	305	1,091
Knit fabric mills	<1	8	11	32
Textile and fabric finishing mills	<1	4	6	18
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	26	40	84
Curtain and linen mills	<1	49	65	159
Textile bag and canvas mills	<1	143	206	680
Rope, cordage, twine, tire cord and tire fabric mills	<1	25	41	113

## Appendix

Other textile product mills	<1	90	112	327
Hosiery and sock mills	<1	11	12	31
Other apparel knitting mills	<1	10	11	29
Cut and sew apparel contractors	<1	38	41	88
Men's and boys' cut and sew apparel manufacturing	<1	93	91	236
Women's and girls' cut and sew apparel manufacturing	<1	59	47	229
Other cut and sew apparel manufacturing	<1	34	32	105
Apparel accessories and other apparel manufacturing	<1	18	18	53
Leather and hide tanning and finishing	<1	0	0	1
Footwear manufacturing	<1	<1	<1	3
Other leather and allied product manufacturing	<1	13	13	56
Sawmills	<1	995	1,426	7,595
Wood preservation	<1	92	176	1,039
Veneer and plywood manufacturing	<1	245	327	1,358
Engineered wood member and truss manufacturing	<1	132	174	730
Reconstituted wood product manufacturing	<1	118	237	1,181
Wood windows and door manufacturing	<1	747	865	3,079
Cut stock, resawing lumber, and planing	<1	415	633	2,544
Other millwork, including flooring	<1	802	1,037	4,017
Wood container and pallet manufacturing	<1	844	982	2,873
Manufactured home (mobile home) manufacturing	<1	<1	<1	3
Prefabricated wood building manufacturing	<1	63	83	288
All other miscellaneous wood product manufacturing	<1	282	328	1,214
Pulp mills	<1	2	3	12
Paper mills	<1	2,358	4,894	16,362
Paperboard mills	<1	333	664	2,594
Paperboard container manufacturing	<1	2,706	4,035	17,728
Paper bag and coated and treated paper manufacturing	<1	1,954	2,972	10,356
Stationery product manufacturing	<1	95	119	431

## Appendix

Sanitary paper product manufacturing	<1	1,004	2,928	9,041
All other converted paper product manufacturing	<1	426	698	2,216
Printing	<1	11,659	18,284	36,816
Support activities for printing	<1	500	777	1,081
Petroleum refineries	<1	2,030	14,322	92,837
Asphalt paving mixture and block manufacturing	<1	118	163	896
Asphalt shingle and coating materials manufacturing	<1	98	301	1,009
Petroleum lubricating oil and grease manufacturing	<1	158	352	898
All other petroleum and coal products manufacturing	<1	394	1,027	3,225
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	137	520	1,493
Synthetic dye and pigment manufacturing	<1	103	246	579
Other basic inorganic chemical manufacturing	<1	205	575	1,650
Other basic organic chemical manufacturing	<1	611	1,863	10,076
Plastics material and resin manufacturing	<1	1,048	2,310	13,987
Synthetic rubber manufacturing	<1	200	329	1,307
Artificial and synthetic fibers and filaments manufacturing	<1	2	8	81
Nitrogenous fertilizer manufacturing	<1	39	186	657
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	11	29	103
Pesticide and other agricultural chemical manufacturing	<1	43	203	798
Medicinal and botanical manufacturing	<1	193	367	831
Pharmaceutical preparation manufacturing	<1	858	2,916	6,637
In-vitro diagnostic substance manufacturing	<1	55	95	254
Biological product (except diagnostic) manufacturing	<1	6	23	37
Paint and coating manufacturing	<1	416	1,050	3,773
Adhesive manufacturing	<1	176	340	1,233
Soap and other detergent manufacturing	<1	179	629	1,817
Polish and other sanitation good manufacturing	<1	176	351	1,024

## Appendix

Surface active agent manufacturing	<1	140	736	1,943
Toilet preparation manufacturing	<1	296	1,135	2,336
Printing ink manufacturing	<1	121	140	540
Explosives manufacturing	<1	36	43	115
Custom compounding of purchased resins	<1	153	347	1,014
Photographic film and chemical manufacturing	<1	67	179	802
Other miscellaneous chemical product manufacturing	<1	332	630	2,245
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	903	1,499	5,516
Unlaminated plastics profile shape manufacturing	<1	245	570	1,724
Plastics pipe and pipe fitting manufacturing	<1	127	377	1,353
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	25	43	121
Polystyrene foam product manufacturing	<1	891	1,635	5,864
Urethane and other foam product (except polystyrene) manufacturing	<1	254	450	1,859
Plastics bottle manufacturing	<1	184	294	1,221
Other plastics product manufacturing	<1	3,930	6,010	18,789
Tire manufacturing	<1	240	314	1,389
Rubber and plastics hoses and belting manufacturing	<1	221	361	1,180
Other rubber product manufacturing	<1	663	854	3,152
Pottery, ceramics, and plumbing fixture manufacturing	<1	82	122	315
Brick, tile, and other structural clay product manufacturing	<1	901	1,379	3,286
Flat glass manufacturing	<1	241	426	774
Other pressed and blown glass and glassware manufacturing	<1	7	11	31
Glass container manufacturing	<1	30	45	87
Glass product manufacturing made of purchased glass	<1	630	1,032	2,488
Cement manufacturing	<1	98	200	608
Ready-mix concrete manufacturing	<1	1,557	2,346	7,838
Concrete block and brick manufacturing	<1	397	640	1,632
Concrete pipe manufacturing	<1	40	61	165



## Appendix

Other concrete product manufacturing	<1	363	502	1,386
Lime manufacturing	<1	203	384	1,021
Gypsum product manufacturing	<1	93	230	591
Abrasive product manufacturing	<1	46	89	185
Cut stone and stone product manufacturing	<1	408	503	1,122
Ground or treated mineral and earth manufacturing	<1	74	147	284
Mineral wool manufacturing	<1	114	263	730
Miscellaneous nonmetallic mineral products manufacturing	<1	73	151	435
Iron and steel mills and ferroalloy manufacturing	<1	772	2,169	11,496
Iron, steel pipe and tube manufacturing from purchased steel	<1	28	69	388
Rolled steel shape manufacturing	<1	59	232	912
Steel wire drawing	<1	105	234	1,016
Alumina refining and primary aluminum production	<1	356	647	3,402
Secondary smelting and alloying of aluminum	<1	92	204	1,732
Aluminum sheet, plate, and foil manufacturing	<1	852	2,001	7,540
Other aluminum rolling, drawing and extruding	<1	73	115	490
Nonferrous metal (exc aluminum) smelting and refining	<1	11	84	258
Copper rolling, drawing, extruding and alloying	<1	628	1,422	10,402
Nonferrous metal, except copper and aluminum, shaping	<1	34	44	184
Secondary processing of other nonferrous metals	<1	27	64	348
Ferrous metal foundries	<1	57	105	283
Nonferrous metal foundries	<1	287	407	982
Custom roll forming	<1	176	241	1,311
Crown and closure manufacturing and metal stamping	<1	518	654	2,450
Iron and steel forging	<1	486	636	2,385
Nonferrous forging	<1	114	141	546
Cutlery, utensil, pot, and pan manufacturing	<1	10	21	120
Handtool manufacturing	<1	55	82	238
Prefabricated metal buildings and components manufacturing	<1	69	98	394

## Appendix

Fabricated structural metal manufacturing	<1	311	444	1,819
Plate work manufacturing	<1	229	257	834
Metal window and door manufacturing	<1	63	83	214
Sheet metal work manufacturing	<1	769	1,001	3,125
Ornamental and architectural metal work manufacturing	<1	191	228	817
Power boiler and heat exchanger manufacturing	<1	25	34	93
Metal tank (heavy gauge) manufacturing	<1	45	54	168
Metal cans manufacturing	<1	40	69	379
Metal barrels, drums and pails manufacturing	<1	30	38	164
Hardware manufacturing	<1	192	270	997
Spring and wire product manufacturing	<1	3,488	4,389	14,631
Machine shops	<1	1,160	1,341	3,107
Turned product and screw, nut, and bolt manufacturing	<1	238	295	933
Metal heat treating	<1	199	249	548
Metal coating and nonprecious engraving	<1	1,245	1,993	4,891
Electroplating, anodizing, and coloring metal	<1	302	327	853
Valve and fittings, other than plumbing, manufacturing	<1	45	63	210
Plumbing fixture fitting and trim manufacturing	<1	24	51	193
Ball and roller bearing manufacturing	<1	241	365	1,151
Small arms ammunition manufacturing	<1	5	11	45
Ammunition, except for small arms, manufacturing	<1	<1	<1	1
Small arms, ordnance, and accessories manufacturing	<1	1,209	2,259	5,356
Fabricated pipe and pipe fitting manufacturing	<1	19	24	90
Other fabricated metal manufacturing	<1	508	647	2,081
Farm machinery and equipment manufacturing	<1	85	148	755
Lawn and garden equipment manufacturing	<1	18	30	147
Construction machinery manufacturing	<1	72	153	488
Mining machinery and equipment manufacturing	<1	15	20	60

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	1	1	3
Semiconductor machinery manufacturing	<1	7	8	27
Food product machinery manufacturing	<1	<1	<1	1
Sawmill, woodworking, and paper machinery	<1	5	5	21
Printing machinery and equipment manufacturing	<1	3	4	13
All other industrial machinery manufacturing	<1	15	19	58
Optical instrument and lens manufacturing	<1	3	5	17
Photographic and photocopying equipment manufacturing	<1	1	1	6
Other commercial service industry machinery manufacturing	<1	15	23	98
Air purification and ventilation equipment manufacturing	<1	107	132	373
Heating equipment (except warm air furnaces) manufacturing	<1	27	40	149
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	283	439	1,270
Industrial mold manufacturing	<1	58	68	170
Special tool, die, jig, and fixture manufacturing	<1	38	47	96
Cutting tool and machine tool accessory manufacturing	<1	31	35	95
Machine tool manufacturing	<1	17	21	60
Rolling mill and other metalworking machinery manufacturing	<1	14	18	48
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3	5	16
Mechanical power transmission equipment manufacturing	<1	56	74	154
Other engine equipment manufacturing	<1	51	101	523
Pump and pumping equipment manufacturing	<1	840	1,490	5,243
Air and gas compressor manufacturing	<1	4	4	17
Elevator and moving stairway manufacturing	<1	8	9	34

## Appendix

Conveyor and conveying equipment manufacturing	<1	52	58	159
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	2
Industrial truck, trailer, and stacker manufacturing	<1	44	67	261
Power-driven handtool manufacturing	<1	7	17	49
Welding and soldering equipment manufacturing	<1	7	10	35
Packaging machinery manufacturing	<1	16	21	58
Industrial process furnace and oven manufacturing	<1	1	<1	3
Fluid power cylinder and actuator manufacturing	<1	153	205	564
Fluid power pump and motor manufacturing	<1	27	40	156
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	25	29	79
Electronic computer manufacturing	<1	5	6	45
Computer storage device manufacturing	<1	64	84	291
Computer terminals and other computer peripheral equipment manufacturing	<1	15,885	20,829	46,666
Telephone apparatus manufacturing	<1	63	90	303
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	45	62	233
Audio and video equipment manufacturing	<1	6	9	70
Printed circuit assembly (electronic assembly) manufacturing	<1	40	54	248
Bare printed circuit board manufacturing	<1	16	19	48
Semiconductor and related device manufacturing	<1	82	113	467
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	54	62	189
Electronic connector manufacturing	<1	12	14	40
Other electronic component manufacturing	<1	87	100	375

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	5
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	<1	146	174	368
Industrial process variable instruments manufacturing	<1	6	8	21
Totalizing fluid meter and counting device manufacturing	<1	7	11	22
Electricity and signal testing instruments manufacturing	<1	9	10	41
Analytical laboratory instrument manufacturing	<1	5,829	8,054	16,236
Irradiation apparatus manufacturing	<1	<1	<1	4
Watch, clock, and other measuring and controlling device manufacturing	<1	2	2	8
Blank magnetic and optical recording media manufacturing	<1	94	238	1,514
Software and other prerecorded and record reproducing	<1	85	110	356
Electric lamp bulb and part manufacturing	<1	83	132	283
Lighting fixture manufacturing	<1	115	150	465
Small electrical appliance manufacturing	<1	15	31	75
Household cooking appliance manufacturing	<1	892	2,106	6,071
Household refrigerator and home freezer manufacturing	<1	1,083	2,374	6,387
Household laundry equipment manufacturing	<1	3,247	5,315	17,580
Other major household appliance manufacturing	<1	456	1,147	2,798
Power, distribution, and specialty transformer manufacturing	<1	4	5	9
Motor and generator manufacturing	<1	30	54	233
Switchgear and switchboard apparatus manufacturing	<1	101	178	516
Relay and industrial control manufacturing	<1	71	94	258
Storage battery manufacturing	<1	277	441	1,435
Primary battery manufacturing	<1	44	14	199
Fiber optic cable manufacturing	<1	108	159	699

## Appendix

Other communication and energy wire manufacturing	<1	3	4	11
Wiring device manufacturing	<1	204	403	946
Carbon and graphite product manufacturing	<1	45	68	250
All other miscellaneous electrical equipment and component manufacturing	<1	4	4	14
Automobile manufacturing	<1	2,821	4,888	36,757
Light truck and utility vehicle manufacturing	<1	556	969	10,701
Heavy duty truck manufacturing	<1	20	30	191
Motor vehicle body manufacturing	<1	116	131	489
Truck trailer manufacturing	<1	4	4	17
Motor home manufacturing	<1	805	1,074	4,222
Travel trailer and camper manufacturing	<1	35	38	152
Motor vehicle gasoline engine and engine parts manufacturing	<1	896	1,110	7,520
Motor vehicle electrical and electronic equipment manufacturing	<1	1,406	1,564	8,093
Motor vehicle transmission and power train parts manufacturing	<1	2,058	2,411	14,267
Motor vehicle seating and interior trim manufacturing	<1	962	1,017	6,117
Motor vehicle metal stamping	<1	2,067	2,264	9,944
Other motor vehicle parts manufacturing	<1	2,833	3,172	16,683
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,790	3,284	16,051
Aircraft manufacturing	<1	3	6	16
Aircraft engine and engine parts manufacturing	<1	20	47	114
Other aircraft parts and auxiliary equipment manufacturing	<1	1,109	1,511	3,192
Guided missile and space vehicle manufacturing	<1	3	5	11
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1	1	3
Railroad rolling stock manufacturing	<1	1	1	6
Ship building and repairing	<1	53	77	158
Boat building	<1	28	43	205
Motorcycle, bicycle, and parts manufacturing	<1	33	105	300

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	34	69	330
Wood kitchen cabinet and countertop manufacturing	<1	494	555	1,565
Upholstered household furniture manufacturing	<1	2	3	10
Nonupholstered wood household furniture manufacturing	<1	37	40	141
Other household nonupholstered furniture manufacturing	<1	7	9	50
Institutional furniture manufacturing	0	-2,036	-2,113	-6,183
Wood office furniture manufacturing	<1	<1	<1	3
Custom architectural woodwork and millwork	<1	3	2	7
Office furniture, except wood, manufacturing	<1	16	20	95
Showcase, partition, shelving, and locker manufacturing	<1	78	90	329
Mattress manufacturing	<1	143	194	1,004
Blind and shade manufacturing	<1	2	2	5
Surgical and medical instrument manufacturing	<1	40	48	100
Surgical appliance and supplies manufacturing	<1	168	236	767
Dental equipment and supplies manufacturing	<1	3,846	4,484	13,153
Ophthalmic goods manufacturing	<1	57	76	207
Dental laboratories	<1	82	87	176
Jewelry and silverware manufacturing	<1	224	344	1,024
Sporting and athletic goods manufacturing	<1	133	160	630
Doll, toy, and game manufacturing	<1	88	110	433
Office supplies (except paper) manufacturing	<1	51	62	251
Sign manufacturing	<1	739	663	1,627
Gasket, packing, and sealing device manufacturing	<1	135	143	364
Musical instrument manufacturing	<1	12	12	39
Fasteners, buttons, needles, and pins manufacturing	<1	78	80	186

## Appendix

Broom, brush, and mop manufacturing	<1	168	180	545
Burial casket manufacturing	<1	45	57	181
All other miscellaneous manufacturing	<1	384	468	1,633
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,716	6,279	14,379
Wholesale - Professional and commercial equipment and supplies	<1	18,684	30,639	54,469
Wholesale - Household appliances and electrical and electronic goods	<1	8,254	22,198	50,371
Wholesale - Machinery, equipment, and supplies	<1	8,702	17,452	32,552
Wholesale - Other durable goods merchant wholesalers	<1	15,333	29,916	62,392
Wholesale - Drugs and druggistsâ€™ sundries	<1	11,871	31,956	73,384
Wholesale - Grocery and related product wholesalers	<1	14,909	23,800	48,314
Wholesale - Petroleum and petroleum products	<1	2,798	43,884	53,750
Wholesale - Other nondurable goods merchant wholesalers	<1	22,187	53,268	104,741
Wholesale - Wholesale electronic markets and agents and brokers	<1	10,976	12,775	15,310
Retail - Motor vehicle and parts dealers	<1	19,294	26,359	38,666
Retail - Furniture and home furnishings stores	<1	8,126	10,721	19,277
Retail - Electronics and appliance stores	<1	8,041	6,786	12,315
Retail - Building material and garden equipment and supplies stores	<1	12,030	22,092	32,743
Retail - Food and beverage stores	<1	23,806	33,326	58,641
Retail - Health and personal care stores	<1	21,079	26,183	39,370
Retail - Gasoline stores	<1	9,828	21,773	46,561
Retail - Clothing and clothing accessories stores	<1	9,560	15,343	35,357
Retail - Sporting goods, hobby, musical instrument and book stores	<1	8,843	11,182	19,290
Retail - General merchandise stores	<1	28,522	43,028	75,124
Retail - Miscellaneous store retailers	<1	16,922	16,332	31,447
Retail - Nonstore retailers	<1	15,544	83,347	143,323
Air transportation	<1	15,893	25,213	70,802



## Appendix

Rail transportation	<1	5,021	16,061	27,601
Water transportation	<1	2,562	5,999	20,078
Truck transportation	<1	55,745	80,068	169,002
Transit and ground passenger transportation	<1	5,913	7,925	13,812
Pipeline transportation	<1	7,752	10,878	21,215
Scenic and sightseeing transportation and support activities for transportation	<1	34,120	24,127	38,195
Couriers and messengers	<1	27,449	43,066	47,720
Warehousing and storage	<1	36,344	38,181	71,189
Newspaper publishers	<1	2,851	3,793	6,799
Periodical publishers	<1	1,800	2,134	4,310
Book publishers	<1	1,825	3,294	9,562
Directory, mailing list, and other publishers	<1	1,411	2,404	5,289
Greeting card publishing	<1	11	25	72
Software publishers	1	171,767	269,991	408,636
Motion picture and video industries	1	55,161	94,364	285,353
Sound recording industries	<1	1,170	8,536	20,242
Radio and television broadcasting	<1	31,671	42,333	113,772
Cable and other subscription programming	<1	14,560	57,993	169,918
Wired telecommunications carriers	5	516,356	1,177,123	2,214,761
Wireless telecommunications carriers (except satellite)	<1	4,098	29,529	80,006
Satellite, telecommunications resellers, and all other telecommunications	<1	3,143	4,707	11,730
Data processing, hosting, and related services	<1	70,260	127,163	408,277
News syndicates, libraries, archives and all other information services	<1	1,036	1,372	4,167
Internet publishing and broadcasting and web search portals	<1	3,559	7,632	53,530
Nondepository credit intermediation and related activities	<1	21,696	22,866	39,875
Securities and commodity contracts intermediation and brokerage	<1	35,044	32,006	63,223
Monetary authorities and depository credit intermediation	<1	80,809	188,248	344,948

## Appendix

Other financial investment activities	<1	15,522	18,441	48,597
Direct life insurance carriers	<1	3,963	7,686	10,695
Insurance carriers, except direct life	<1	40,714	120,654	244,224
Insurance agencies, brokerages, and related activities	<1	31,596	48,906	123,028
Funds, trusts, and other financial vehicles	<1	5,217	6,949	38,217
Other real estate	3	96,523	277,013	694,949
Tenant-occupied housing	<1	8,749	69,113	76,294
Owner-occupied dwellings	0	0	393,211	474,541
Automotive equipment rental and leasing	<1	6,439	31,090	37,791
General and consumer goods rental except video tapes and discs	<1	6,429	12,780	18,638
Video tape and disc rental	<1	1,533	2,696	4,437
Commercial and industrial machinery and equipment rental and leasing	<1	7,267	27,513	33,667
Lessors of nonfinancial intangible assets	<1	324	11,191	12,918
Legal services	1	76,946	133,702	199,371
Accounting, tax preparation, bookkeeping, and payroll services	<1	51,272	57,879	97,846
Architectural, engineering, and related services	<1	34,333	35,974	69,364
Specialized design services	<1	3,075	4,159	8,740
Custom computer programming services	<1	10,127	10,621	15,729
Computer systems design services	<1	20,277	18,167	24,678
Other computer related services, including facilities management	<1	11,980	14,204	31,992
Management consulting services	4	335,365	342,042	621,721
Environmental and other technical consulting services	<1	14,279	15,144	26,545
Scientific research and development services	16	1,300,441	1,618,550	3,508,143
Advertising, public relations, and related services	<1	30,468	39,574	105,783
Photographic services	<1	1,178	2,124	5,603
Veterinary services	<1	4,069	4,324	6,998
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	28,711	37,742	104,592
Management of companies and enterprises	1	143,152	163,267	278,292

## Appendix

Office administrative services	<1	53,788	12,937	49,423
Facilities support services	<1	5,017	6,453	19,375
Employment services	4	199,562	260,492	468,439
Business support services	<1	23,322	19,219	38,518
Travel arrangement and reservation services	<1	2,234	3,281	12,508
Investigation and security services	<1	18,151	18,372	27,879
Services to buildings	<1	23,728	31,249	68,275
Landscape and horticultural services	<1	14,932	17,585	34,582
Other support services	<1	9,645	11,758	26,061
Waste management and remediation services	<1	10,839	17,863	37,261
Elementary and secondary schools	<1	5,235	3,705	4,841
Junior colleges, colleges, universities, and professional schools	5	175,382	200,747	307,959
Other educational services	<1	6,777	7,220	15,036
Offices of physicians	1	133,814	134,620	191,474
Offices of dentists	<1	18,553	21,921	30,264
Offices of other health practitioners	<1	19,487	28,756	36,521
Outpatient care centers	<1	27,750	27,320	42,639
Medical and diagnostic laboratories	<1	7,475	11,759	16,507
Home health care services	<1	19,413	19,277	23,677
Other ambulatory health care services	<1	7,511	8,762	13,306
Hospitals	2	207,239	236,420	445,620
Nursing and community care facilities	<1	23,653	25,832	41,765
Residential mental retardation, mental health, substance abuse and other facilities	<1	12,206	12,728	18,259
Individual and family services	<1	35,858	30,484	42,562
Child day care services	<1	11,537	15,514	21,576
Community food, housing, and other relief services, including rehabilitation services	<1	8,954	8,383	17,808
Performing arts companies	<1	1,534	2,191	4,827
Commercial Sports Except Racing	<1	8,211	3,198	10,098
Racing and Track Operation	<1	1,124	1,739	3,158
Independent artists, writers, and performers	<1	7,051	12,304	24,086

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,903	4,838	13,563
Museums, historical sites, zoos, and parks	<1	2,006	2,187	4,325
Amusement parks and arcades	<1	325	544	771
Gambling industries (except casino hotels)	<1	3,680	10,422	14,855
Other amusement and recreation industries	<1	4,427	3,340	5,888
Fitness and recreational sports centers	<1	2,478	3,039	5,856
Bowling centers	<1	446	644	1,156
Hotels and motels, including casino hotels	<1	2,560	5,499	8,521
Other accommodations	<1	608	718	991
Full-service restaurants	2	57,801	87,232	171,338
Limited-service restaurants	2	42,228	65,157	157,302
All other food and drinking places	<1	35,162	50,112	80,929
Automotive repair and maintenance, except car washes	<1	34,927	41,591	61,453
Car washes	<1	17,678	25,131	38,637
Electronic and precision equipment repair and maintenance	<1	52,053	68,458	120,456
Commercial and industrial machinery and equipment repair and maintenance	<1	17,679	21,467	34,451
Personal and household goods repair and maintenance	<1	4,239	9,245	13,007
Personal care services	<1	9,250	8,081	9,455
Death care services	<1	2,480	2,281	2,999
Dry-cleaning and laundry services	<1	6,362	5,599	6,826
Other personal services	<1	8,088	10,132	14,595
Religious organizations	<1	27,933	21,543	49,584
Grantmaking, giving, and social advocacy organizations	<1	7,020	27,398	39,579
Business and professional associations	<1	6,823	12,843	21,386
Labor and civic organizations	<1	4,103	15,136	24,512
Private households	<1	3,964	3,964	3,964
Postal service	<1	20,066	20,165	20,173
Federal electric utilities	<1	2,114	5,444	14,069
Other federal government enterprises	<1	801	-470	844
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,629	5,150	7,827
Local government passenger transit	<1	13,494	397	4,492
Local government electric utilities	<1	3,435	8,757	20,425
Other local government enterprises	<1	32,430	64,708	144,372
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	8	1,225,979	2,087,667	3,820,380

## Moon to Mars Campaign

**Table 677: Detailed M2M Campaign Impacts by Types of Impact, Kentucky**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>20</i>	<i>1,526,459</i>	<i>2,376,764</i>	<i>4,544,518</i>
Oilseed farming	<1	2,712	8,381	11,688
Grain farming	<1	1,427	3,298	7,645
Vegetable and melon farming	<1	74	128	208
Fruit farming	<1	32	50	62
Tree nut farming	<1	2	3	5
Greenhouse, nursery, and floriculture production	<1	59	105	197
Tobacco farming	<1	797	993	2,116

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	292	464	887
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	598	1,376	2,911
Dairy cattle and milk production	<1	104	214	811
Poultry and egg production	<1	173	434	3,443
Animal production, except cattle and poultry and eggs	<1	2,298	6,530	7,222
Forestry, forest products, and timber tract production	<1	23	25	34
Commercial logging	<1	167	177	265
Commercial fishing	<1	-18	66	66
Commercial hunting and trapping	<1	7	41	56
Support activities for agriculture and forestry	<1	1,149	1,199	1,326
Oil and gas extraction	<1	82	313	5,079
Coal mining	<1	216	632	971
Copper, nickel, lead, and zinc mining	<1	3	10	15
Iron ore mining	<1	<1	3	5
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	156	530	851
Sand and gravel mining	<1	41	73	119
Other clay, ceramic, refractory minerals mining	<1	2	4	8
Potash, soda, and borate mineral mining	<1	<1	<1	<1
Phosphate rock mining	<1	0	0	<1
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	<1	<1	<1
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	1	5
Metal mining services	<1	<1	3	47
Other nonmetallic minerals services	<1	2	3	29
Electric power generation - Hydroelectric	<1	2	6	10

## Appendix

Electric power generation - Fossil fuel	<1	1,152	5,358	12,222
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	21	58	105
Electric power generation - Wind	<1	7	78	123
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	92	12	48
Electric power transmission and distribution	<1	3,398	15,635	33,528
Natural gas distribution	<1	973	4,521	8,668
Water, sewage and other systems	<1	237	605	1,032
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	3,671	4,692	13,414
Maintenance and repair construction of residential structures	<1	1,526	1,986	5,243
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	5
Dog and cat food manufacturing	<1	89	195	856
Other animal food manufacturing	<1	193	323	2,610
Flour milling	<1	24	43	406

## Appendix

Rice milling	<1	<1	1	9
Malt manufacturing	<1	0	0	5
Wet corn milling	<1	114	226	1,102
Soybean and other oilseed processing	<1	22	96	937
Fats and oils refining and blending	<1	11	24	243
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	18	42	160
Nonchocolate confectionery manufacturing	<1	100	128	414
Chocolate and confectionery manufacturing from cacao beans	<1	8	11	46
Confectionery manufacturing from purchased chocolate	<1	51	68	293
Frozen fruits, juices and vegetables manufacturing	<1	3	6	18
Frozen specialties manufacturing	<1	284	352	1,391
Canned fruits and vegetables manufacturing	<1	126	209	816
Canned specialties	<1	<1	<1	2
Dehydrated food products manufacturing	<1	3	4	16
Cheese manufacturing	<1	93	119	1,360
Dry, condensed, and evaporated dairy product manufacturing	<1	62	121	922
Fluid milk manufacturing	<1	208	300	1,956
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	10	14	72
Frozen cakes and other pastries manufacturing	<1	101	144	293
Poultry processing	<1	676	818	3,847
Animal, except poultry, slaughtering	<1	338	402	3,138
Meat processed from carcasses	<1	464	449	3,702
Rendering and meat byproduct processing	<1	28	27	156
Seafood product preparation and packaging	<1	2	2	15
Bread and bakery product, except frozen, manufacturing	<1	604	805	1,869
Cookie and cracker manufacturing	<1	515	688	2,069
Dry pasta, mixes, and dough manufacturing	<1	109	204	918
Tortilla manufacturing	<1	8	10	40



## Appendix

Roasted nuts and peanut butter manufacturing	<1	146	356	1,005
Other snack food manufacturing	<1	35	61	289
Coffee and tea manufacturing	<1	6	9	49
Flavoring syrup and concentrate manufacturing	<1	451	2,465	4,747
Mayonnaise, dressing, and sauce manufacturing	<1	52	84	446
Spice and extract manufacturing	<1	91	134	516
All other food manufacturing	<1	170	221	1,069
Bottled and canned soft drinks & water	<1	229	363	2,042
Manufactured ice	<1	8	5	26
Breweries	<1	91	181	674
Wineries	<1	45	71	347
Distilleries	<1	2,184	7,378	15,948
Tobacco product manufacturing	<1	235	6,860	11,693
Fiber, yarn, and thread mills	<1	0	1	4
Broadwoven fabric mills	<1	4	6	21
Narrow fabric mills and schiffli machine embroidery	<1	4	4	10
Nonwoven fabric mills	<1	50	93	305
Knit fabric mills	<1	2	6	12
Textile and fabric finishing mills	<1	1	2	6
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	5	8	16
Curtain and linen mills	<1	12	16	39
Textile bag and canvas mills	<1	34	50	158
Rope, cordage, twine, tire cord and tire fabric mills	<1	5	8	22
Other textile product mills	<1	19	25	69
Hosiery and sock mills	<1	3	3	7
Other apparel knitting mills	<1	2	2	6
Cut and sew apparel contractors	<1	11	12	24
Men's and boys' cut and sew apparel manufacturing	<1	16	16	38
Women's and girls' cut and sew apparel manufacturing	<1	17	14	61
Other cut and sew apparel manufacturing	<1	11	10	32
Apparel accessories and other apparel manufacturing	<1	5	5	13
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	<1	3	3	13

## Appendix

Sawmills	<1	168	241	1,279
Wood preservation	<1	15	29	178
Veneer and plywood manufacturing	<1	31	42	175
Engineered wood member and truss manufacturing	<1	20	26	108
Reconstituted wood product manufacturing	<1	15	30	148
Wood windows and door manufacturing	<1	119	137	485
Cut stock, resawing lumber, and planing	<1	67	101	414
Other millwork, including flooring	<1	134	170	657
Wood container and pallet manufacturing	<1	173	201	586
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	11	14	49
All other miscellaneous wood product manufacturing	<1	59	68	240
Pulp mills	<1	<1	<1	2
Paper mills	<1	402	757	2,753
Paperboard mills	<1	49	96	386
Paperboard container manufacturing	<1	502	755	3,373
Paper bag and coated and treated paper manufacturing	<1	386	573	2,011
Stationery product manufacturing	<1	23	29	102
Sanitary paper product manufacturing	<1	199	565	1,808
All other converted paper product manufacturing	<1	78	126	411
Printing	<1	1,921	3,075	6,022
Support activities for printing	<1	90	140	193
Petroleum refineries	<1	377	2,936	17,915
Asphalt paving mixture and block manufacturing	<1	24	33	178
Asphalt shingle and coating materials manufacturing	<1	19	65	204
Petroleum lubricating oil and grease manufacturing	<1	38	86	213
All other petroleum and coal products manufacturing	<1	64	168	509
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	29	118	322

## Appendix

Synthetic dye and pigment manufacturing	<1	24	60	143
Other basic inorganic chemical manufacturing	<1	47	142	389
Other basic organic chemical manufacturing	<1	127	406	2,148
Plastics material and resin manufacturing	<1	195	454	2,691
Synthetic rubber manufacturing	<1	41	68	275
Artificial and synthetic fibers and filaments manufacturing	<1	0	0	21
Nitrogenous fertilizer manufacturing	<1	11	57	178
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3	7	25
Pesticide and other agricultural chemical manufacturing	<1	9	46	177
Medicinal and botanical manufacturing	<1	68	138	282
Pharmaceutical preparation manufacturing	<1	225	853	1,815
In-vitro diagnostic substance manufacturing	<1	22	38	101
Biological product (except diagnostic) manufacturing	<1	3	10	14
Paint and coating manufacturing	<1	72	196	685
Adhesive manufacturing	<1	40	80	280
Soap and other detergent manufacturing	<1	44	169	443
Polish and other sanitation good manufacturing	<1	45	97	268
Surface active agent manufacturing	<1	31	172	432
Toilet preparation manufacturing	<1	75	316	620
Printing ink manufacturing	<1	22	25	99
Explosives manufacturing	<1	7	8	22
Custom compounding of purchased resins	<1	18	41	117
Photographic film and chemical manufacturing	<1	16	44	184
Other miscellaneous chemical product manufacturing	<1	69	138	482
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	154	256	924
Unlaminated plastics profile shape manufacturing	<1	17	40	117
Plastics pipe and pipe fitting manufacturing	<1	14	41	146

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	8	22
Polystyrene foam product manufacturing	<1	175	326	1,153
Urethane and other foam product (except polystyrene) manufacturing	<1	56	100	406
Plastics bottle manufacturing	<1	43	70	282
Other plastics product manufacturing	<1	714	1,117	3,386
Tire manufacturing	<1	45	61	262
Rubber and plastics hoses and belting manufacturing	<1	38	63	212
Other rubber product manufacturing	<1	183	237	899
Pottery, ceramics, and plumbing fixture manufacturing	<1	9	13	34
Brick, tile, and other structural clay product manufacturing	<1	49	73	175
Flat glass manufacturing	<1	57	98	179
Other pressed and blown glass and glassware manufacturing	<1	2	3	9
Glass container manufacturing	<1	7	10	19
Glass product manufacturing made of purchased glass	<1	144	230	561
Cement manufacturing	<1	18	35	110
Ready-mix concrete manufacturing	<1	261	383	1,293
Concrete block and brick manufacturing	<1	72	113	295
Concrete pipe manufacturing	<1	7	10	28
Other concrete product manufacturing	<1	55	75	211
Lime manufacturing	<1	36	64	177
Gypsum product manufacturing	<1	17	40	104
Abrasive product manufacturing	<1	9	16	34
Cut stone and stone product manufacturing	<1	76	92	206
Ground or treated mineral and earth manufacturing	<1	10	19	37
Mineral wool manufacturing	<1	29	62	172
Miscellaneous nonmetallic mineral products manufacturing	<1	20	39	113
Iron and steel mills and ferroalloy manufacturing	<1	125	360	1,883
Iron, steel pipe and tube manufacturing from purchased steel	<1	5	12	68

## Appendix

Rolled steel shape manufacturing	<1	8	35	138
Steel wire drawing	<1	6	13	59
Alumina refining and primary aluminum production	<1	70	127	665
Secondary smelting and alloying of aluminum	<1	14	31	263
Aluminum sheet, plate, and foil manufacturing	<1	117	279	1,070
Other aluminum rolling, drawing and extruding	<1	13	20	86
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	4	12
Copper rolling, drawing, extruding and alloying	<1	60	134	966
Nonferrous metal, except copper and aluminum, shaping	<1	5	7	28
Secondary processing of other nonferrous metals	<1	1	3	18
Ferrous metal foundries	<1	10	18	50
Nonferrous metal foundries	<1	55	77	187
Custom roll forming	<1	23	32	174
Crown and closure manufacturing and metal stamping	<1	54	68	253
Iron and steel forging	<1	43	57	213
Nonferrous forging	<1	13	16	62
Cutlery, utensil, pot, and pan manufacturing	<1	3	5	29
Handtool manufacturing	<1	13	20	56
Prefabricated metal buildings and components manufacturing	<1	18	25	102
Fabricated structural metal manufacturing	<1	59	84	347
Plate work manufacturing	<1	46	51	165
Metal window and door manufacturing	<1	13	17	42
Sheet metal work manufacturing	<1	108	139	427
Ornamental and architectural metal work manufacturing	<1	30	36	128
Power boiler and heat exchanger manufacturing	<1	5	6	17
Metal tank (heavy gauge) manufacturing	<1	11	13	39
Metal cans manufacturing	<1	8	15	79
Metal barrels, drums and pails manufacturing	<1	4	6	25
Hardware manufacturing	<1	35	48	173
Spring and wire product manufacturing	<1	107	136	447

Appendix

Machine shops	<1	148	171	393
Turned product and screw, nut, and bolt manufacturing	<1	34	42	131
Metal heat treating	<1	18	22	49
Metal coating and nonprecious engraving	<1	108	174	428
Electroplating, anodizing, and coloring metal	<1	35	38	98
Valve and fittings, other than plumbing, manufacturing	<1	4	5	17
Plumbing fixture fitting and trim manufacturing	<1	4	7	29
Ball and roller bearing manufacturing	<1	27	41	128
Small arms ammunition manufacturing	<1	1	2	9
Ammunition, except for small arms, manufacturing	<1	0	0	<1
Small arms, ordnance, and accessories manufacturing	<1	264	488	1,117
Fabricated pipe and pipe fitting manufacturing	<1	3	4	15
Other fabricated metal manufacturing	<1	81	103	327
Farm machinery and equipment manufacturing	<1	22	40	194
Lawn and garden equipment manufacturing	<1	4	7	31
Construction machinery manufacturing	<1	17	38	114
Mining machinery and equipment manufacturing	<1	2	3	10
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	1	2	5
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	<1	1	6
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	3	4	11
Optical instrument and lens manufacturing	<1	1	1	6
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	3	5	20

## Appendix

Air purification and ventilation equipment manufacturing	<1	25	32	88
Heating equipment (except warm air furnaces) manufacturing	<1	9	13	46
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	47	73	209
Industrial mold manufacturing	<1	15	18	44
Special tool, die, jig, and fixture manufacturing	<1	7	9	18
Cutting tool and machine tool accessory manufacturing	<1	6	7	19
Machine tool manufacturing	<1	4	5	13
Rolling mill and other metalworking machinery manufacturing	<1	3	4	10
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	3
Mechanical power transmission equipment manufacturing	<1	15	20	41
Other engine equipment manufacturing	<1	9	17	88
Pump and pumping equipment manufacturing	<1	3	5	18
Air and gas compressor manufacturing	<1	<1	<1	4
Elevator and moving stairway manufacturing	<1	2	3	10
Conveyor and conveying equipment manufacturing	<1	9	10	27
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	0	<1
Industrial truck, trailer, and stacker manufacturing	<1	9	14	52
Power-driven handtool manufacturing	<1	2	6	16
Welding and soldering equipment manufacturing	<1	1	2	7
Packaging machinery manufacturing	<1	4	5	13
Industrial process furnace and oven manufacturing	<1	0	0	<1
Fluid power cylinder and actuator manufacturing	<1	16	22	60
Fluid power pump and motor manufacturing	<1	5	7	25

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	4	12
Electronic computer manufacturing	<1	<1	<1	5
Computer storage device manufacturing	<1	9	13	44
Computer terminals and other computer peripheral equipment manufacturing	<1	62	80	214
Telephone apparatus manufacturing	<1	2	3	9
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	5	7	28
Audio and video equipment manufacturing	<1	2	3	21
Printed circuit assembly (electronic assembly) manufacturing	<1	3	4	21
Bare printed circuit board manufacturing	<1	2	2	5
Semiconductor and related device manufacturing	<1	3	4	18
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3	4	11
Electronic connector manufacturing	<1	2	2	7
Other electronic component manufacturing	<1	8	10	35
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	40	49	102
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	<1	1	2	5
Electricity and signal testing instruments manufacturing	<1	0	<1	1
Analytical laboratory instrument manufacturing	<1	<1	<1	2
Irradiation apparatus manufacturing	<1	0	0	1



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	<1	22	53	325
Software and other prerecorded and record reproducing	<1	13	17	53
Electric lamp bulb and part manufacturing	<1	20	31	67
Lighting fixture manufacturing	<1	34	45	135
Small electrical appliance manufacturing	<1	3	7	16
Household cooking appliance manufacturing	<1	165	402	1,114
Household refrigerator and home freezer manufacturing	<1	202	456	1,184
Household laundry equipment manufacturing	<1	617	1,030	3,303
Other major household appliance manufacturing	<1	110	293	685
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	5	10	39
Switchgear and switchboard apparatus manufacturing	<1	15	27	77
Relay and industrial control manufacturing	<1	9	12	32
Storage battery manufacturing	<1	71	110	353
Primary battery manufacturing	<1	11	4	49
Fiber optic cable manufacturing	<1	20	29	126
Other communication and energy wire manufacturing	<1	0	0	<1
Wiring device manufacturing	<1	29	58	134
Carbon and graphite product manufacturing	<1	9	14	52
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	<1	598	967	7,248
Light truck and utility vehicle manufacturing	<1	115	190	2,063
Heavy duty truck manufacturing	<1	4	6	32
Motor vehicle body manufacturing	<1	23	25	99
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	<1	115	156	594
Travel trailer and camper manufacturing	<1	6	7	27

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	166	205	1,389
Motor vehicle electrical and electronic equipment manufacturing	<1	266	298	1,476
Motor vehicle transmission and power train parts manufacturing	<1	486	558	3,198
Motor vehicle seating and interior trim manufacturing	<1	163	173	1,029
Motor vehicle metal stamping	<1	351	391	1,691
Other motor vehicle parts manufacturing	<1	526	579	3,072
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	460	551	2,689
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	4	9	21
Other aircraft parts and auxiliary equipment manufacturing	<1	4	5	11
Guided missile and space vehicle manufacturing	<1	<1	1	3
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1
Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	<1	11	14	31
Boat building	<1	5	8	36
Motorcycle, bicycle, and parts manufacturing	<1	6	18	53
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	6	11	54
Wood kitchen cabinet and countertop manufacturing	<1	81	89	250
Upholstered household furniture manufacturing	<1	<1	<1	2
Nonupholstered wood household furniture manufacturing	<1	9	9	32
Other household nonupholstered furniture manufacturing	<1	1	2	11
Institutional furniture manufacturing	<1	1	2	5
Wood office furniture manufacturing	<1	<1	<1	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	3	4	21
Showcase, partition, shelving, and locker manufacturing	<1	14	16	59
Mattress manufacturing	<1	31	43	220
Blind and shade manufacturing	<1	<1	<1	1
Surgical and medical instrument manufacturing	<1	8	10	21
Surgical appliance and supplies manufacturing	<1	41	58	185
Dental equipment and supplies manufacturing	<1	3	4	11
Ophthalmic goods manufacturing	<1	13	17	46
Dental laboratories	<1	20	21	43
Jewelry and silverware manufacturing	<1	49	76	224
Sporting and athletic goods manufacturing	<1	30	36	139
Doll, toy, and game manufacturing	<1	20	27	97
Office supplies (except paper) manufacturing	<1	10	12	48
Sign manufacturing	<1	108	97	236
Gasket, packing, and sealing device manufacturing	<1	28	30	75
Musical instrument manufacturing	<1	4	4	12
Fasteners, buttons, needles, and pins manufacturing	<1	19	20	48
Broom, brush, and mop manufacturing	<1	51	60	167
Burial casket manufacturing	<1	7	9	27
All other miscellaneous manufacturing	<1	79	96	328
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	597	1,385	3,183
Wholesale - Professional and commercial equipment and supplies	<1	3,713	6,109	10,786
Wholesale - Household appliances and electrical and electronic goods	<1	966	2,584	5,896
Wholesale - Machinery, equipment, and supplies	<1	1,606	3,225	6,015
Wholesale - Other durable goods merchant wholesalers	<1	2,704	5,286	11,034

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	2,674	7,162	16,294
Wholesale - Grocery and related product wholesalers	<1	3,356	5,332	10,824
Wholesale - Petroleum and petroleum products	<1	481	9,046	10,799
Wholesale - Other nondurable goods merchant wholesalers	<1	4,841	12,053	23,263
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,171	2,518	3,012
Retail - Motor vehicle and parts dealers	<1	4,094	5,621	8,206
Retail - Furniture and home furnishings stores	<1	1,762	2,337	4,173
Retail - Electronics and appliance stores	<1	1,748	1,491	2,654
Retail - Building material and garden equipment and supplies stores	<1	2,591	4,777	7,038
Retail - Food and beverage stores	<1	5,363	7,516	13,117
Retail - Health and personal care stores	<1	4,617	5,753	8,560
Retail - Gasoline stores	<1	2,054	4,425	9,217
Retail - Clothing and clothing accessories stores	<1	2,105	3,375	7,640
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,943	2,458	4,185
Retail - General merchandise stores	<1	6,077	9,221	15,932
Retail - Miscellaneous store retailers	<1	3,679	3,569	6,761
Retail - Nonstore retailers	<1	3,295	18,118	31,120
Air transportation	<1	1,858	3,080	8,408
Rail transportation	<1	653	1,774	3,313
Water transportation	<1	518	1,274	3,982
Truck transportation	<1	7,624	10,862	22,702
Transit and ground passenger transportation	<1	1,306	1,745	2,867
Pipeline transportation	<1	530	1,164	2,352
Scenic and sightseeing transportation and support activities for transportation	<1	7,780	5,431	8,584
Couriers and messengers	<1	4,992	7,709	8,530
Warehousing and storage	<1	6,665	7,031	12,982
Newspaper publishers	<1	516	743	1,271
Periodical publishers	<1	420	561	1,037
Book publishers	<1	445	907	2,474

## Appendix

Directory, mailing list, and other publishers	<1	225	408	891
Greeting card publishing	<1	2	6	16
Software publishers	<1	17,085	28,338	42,953
Motion picture and video industries	<1	687	1,194	3,385
Sound recording industries	<1	71	534	1,210
Radio and television broadcasting	<1	4,216	5,626	14,090
Cable and other subscription programming	<1	531	2,122	5,856
Wired telecommunications carriers	<1	2,827	6,691	12,952
Wireless telecommunications carriers (except satellite)	<1	638	5,102	13,243
Satellite, telecommunications resellers, and all other telecommunications	<1	385	561	1,438
Data processing, hosting, and related services	<1	3,951	7,131	22,327
News syndicates, libraries, archives and all other information services	<1	248	334	966
Internet publishing and broadcasting and web search portals	<1	696	1,512	10,143
Nondepository credit intermediation and related activities	<1	4,645	4,908	8,372
Securities and commodity contracts intermediation and brokerage	<1	7,892	7,023	12,840
Monetary authorities and depository credit intermediation	<1	15,812	39,496	69,730
Other financial investment activities	<1	4,119	4,881	11,681
Direct life insurance carriers	<1	799	1,562	2,148
Insurance carriers, except direct life	<1	8,651	25,671	50,998
Insurance agencies, brokerages, and related activities	<1	6,382	9,826	24,519
Funds, trusts, and other financial vehicles	<1	1,271	1,752	8,646
Other real estate	<1	26,117	72,427	175,355
Tenant-occupied housing	<1	2,051	16,157	17,714
Owner-occupied dwellings	0	0	87,827	105,992
Automotive equipment rental and leasing	<1	1,085	5,409	6,449

## Appendix

General and consumer goods rental except video tapes and discs	<1	1,278	2,541	3,673
Video tape and disc rental	<1	327	578	952
Commercial and industrial machinery and equipment rental and leasing	<1	1,031	3,935	4,799
Lessors of nonfinancial intangible assets	<1	51	1,895	2,181
Legal services	<1	18,829	33,603	49,362
Accounting, tax preparation, bookkeeping, and payroll services	<1	8,793	10,103	16,763
Architectural, engineering, and related services	<1	8,482	8,953	17,110
Specialized design services	<1	530	734	1,495
Custom computer programming services	<1	1,804	1,885	2,783
Computer systems design services	<1	3,510	3,146	4,242
Other computer related services, including facilities management	<1	2,244	2,650	5,925
Management consulting services	<1	26,319	26,888	47,719
Environmental and other technical consulting services	<1	3,063	3,275	5,655
Scientific research and development services	5	423,666	526,308	1,112,343
Advertising, public relations, and related services	<1	5,011	6,629	17,270
Photographic services	<1	219	416	1,050
Veterinary services	<1	935	1,005	1,600
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	7,990	10,729	29,188
Management of companies and enterprises	<1	32,565	37,387	62,811
Office administrative services	<1	9,904	2,545	9,006
Facilities support services	<1	704	922	2,675
Employment services	<1	36,053	47,926	82,788
Business support services	<1	4,278	3,574	6,918
Travel arrangement and reservation services	<1	515	763	2,758
Investigation and security services	<1	3,132	3,174	4,732
Services to buildings	<1	5,042	6,763	14,299
Landscape and horticultural services	<1	3,218	3,828	7,339
Other support services	<1	1,918	2,356	5,099
Waste management and remediation services	<1	2,407	3,959	8,212

## Appendix

Elementary and secondary schools	<1	1,322	929	1,202
Junior colleges, colleges, universities, and professional schools	2	74,425	84,723	131,671
Other educational services	<1	1,747	1,871	3,825
Offices of physicians	<1	29,043	29,282	41,548
Offices of dentists	<1	4,110	4,937	6,769
Offices of other health practitioners	<1	4,145	6,321	7,962
Outpatient care centers	<1	6,448	6,371	9,943
Medical and diagnostic laboratories	<1	1,688	2,755	3,793
Home health care services	<1	4,417	4,399	5,400
Other ambulatory health care services	<1	1,656	1,960	2,947
Hospitals	<1	49,635	57,054	107,380
Nursing and community care facilities	<1	5,614	6,135	9,747
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,100	3,234	4,576
Individual and family services	<1	8,844	7,634	10,529
Child day care services	<1	2,666	3,741	5,102
Community food, housing, and other relief services, including rehabilitation services	<1	2,345	2,205	4,557
Performing arts companies	<1	333	472	991
Commercial Sports Except Racing	<1	1,045	430	1,336
Racing and Track Operation	<1	238	361	636
Independent artists, writers, and performers	<1	230	394	758
Promoters of performing arts and sports and agents for public figures	<1	433	699	1,882
Museums, historical sites, zoos, and parks	<1	491	534	1,029
Amusement parks and arcades	<1	82	135	190
Gambling industries (except casino hotels)	<1	873	2,513	3,534
Other amusement and recreation industries	<1	957	726	1,261
Fitness and recreational sports centers	<1	567	705	1,324
Bowling centers	<1	98	144	253
Hotels and motels, including casino hotels	<1	524	1,095	1,693
Other accommodations	<1	158	186	254

## Appendix

Full-service restaurants	<1	12,132	18,253	35,479
Limited-service restaurants	<1	9,355	14,378	34,005
All other food and drinking places	<1	7,671	10,818	17,213
Automotive repair and maintenance, except car washes	<1	7,109	8,223	12,127
Car washes	<1	3,648	5,182	7,933
Electronic and precision equipment repair and maintenance	<1	1,719	2,303	4,018
Commercial and industrial machinery and equipment repair and maintenance	<1	2,806	3,381	5,366
Personal and household goods repair and maintenance	<1	837	1,720	2,441
Personal care services	<1	2,098	1,650	1,965
Death care services	<1	593	500	666
Dry-cleaning and laundry services	<1	1,425	1,140	1,411
Other personal services	<1	1,842	2,244	3,235
Religious organizations	<1	7,359	4,941	12,250
Grantmaking, giving, and social advocacy organizations	<1	1,973	6,674	9,822
Business and professional associations	<1	1,618	2,768	4,629
Labor and civic organizations	<1	1,081	3,470	5,754
Private households	<1	923	923	923
Postal service	<1	3,572	3,590	3,592
Federal electric utilities	<1	224	586	1,500
Other federal government enterprises	<1	194	-128	210
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	553	736	1,102
Local government passenger transit	<1	2,604	49	698
Local government electric utilities	<1	668	1,554	3,637
Other local government enterprises	<1	7,446	12,391	29,809
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	374,084	665,629	1,218,085

## Investments in Climate Change Research and Technology

**Table 678: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>12</i>	<i>758,661</i>	<i>1,114,207</i>	<i>2,166,307</i>
Oilseed farming	<1	718	1,774	2,341
Grain farming	<1	631	967	3,180
Vegetable and melon farming	<1	43	69	118
Fruit farming	<1	14	22	29
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	37	61	119
Tobacco farming	<1	157	189	374
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	217	312	623
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	484	830	2,046
Dairy cattle and milk production	<1	64	117	509
Poultry and egg production	<1	141	303	2,849
Animal production, except cattle and poultry and eggs	<1	990	2,142	2,427
Forestry, forest products, and timber tract production	<1	8	9	12

## Appendix

Commercial logging	<1	181	191	301
Commercial fishing	<1	-2	39	39
Commercial hunting and trapping	<1	2	23	33
Support activities for agriculture and forestry	<1	372	378	417
Oil and gas extraction	<1	180	438	6,014
Coal mining	<1	326	947	1,460
Copper, nickel, lead, and zinc mining	<1	<1	7	10
Iron ore mining	<1	0	<1	<1
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	82	312	494
Sand and gravel mining	<1	23	43	72
Other clay, ceramic, refractory minerals mining	<1	2	3	6
Potash, soda, and borate mineral mining	<1	0	0	<1
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	0	<1	<1
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	1	5
Metal mining services	<1	1	4	55
Other nonmetallic minerals services	<1	2	3	21
Electric power generation - Hydroelectric	<1	<1	3	4
Electric power generation - Fossil fuel	<1	530	2,873	6,585
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	10	29	53
Electric power generation - Wind	<1	8	102	167
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	46	27	40
Electric power transmission and distribution	<1	1,946	9,710	21,139

## Appendix

Natural gas distribution	<1	691	3,324	6,578
Water, sewage and other systems	<1	261	728	1,306
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,041	2,515	7,546
Maintenance and repair construction of residential structures	<1	816	1,024	2,833
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	<1	52	108	503
Other animal food manufacturing	<1	100	154	1,314
Flour milling	<1	22	38	349
Rice milling	<1	<1	<1	5
Malt manufacturing	<1	0	0	2
Wet corn milling	<1	74	127	754
Soybean and other oilseed processing	<1	11	48	487
Fats and oils refining and blending	<1	7	14	138
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	11	23	100
Nonchocolate confectionery manufacturing	<1	58	74	258

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	3	4	15
Confectionery manufacturing from purchased chocolate	<1	33	42	183
Frozen fruits, juices and vegetables manufacturing	<1	2	3	12
Frozen specialties manufacturing	<1	193	240	952
Canned fruits and vegetables manufacturing	<1	69	109	433
Canned specialties	<1	<1	<1	2
Dehydrated food products manufacturing	<1	1	2	7
Cheese manufacturing	<1	42	54	607
Dry, condensed, and evaporated dairy product manufacturing	<1	45	87	679
Fluid milk manufacturing	<1	133	183	1,239
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	9	11	62
Frozen cakes and other pastries manufacturing	<1	74	106	220
Poultry processing	<1	593	677	3,181
Animal, except poultry, slaughtering	<1	340	394	2,974
Meat processed from carcasses	<1	239	227	1,890
Rendering and meat byproduct processing	<1	18	17	97
Seafood product preparation and packaging	<1	2	2	17
Bread and bakery product, except frozen, manufacturing	<1	450	590	1,381
Cookie and cracker manufacturing	<1	245	304	1,076
Dry pasta, mixes, and dough manufacturing	<1	57	103	451
Tortilla manufacturing	<1	7	8	32
Roasted nuts and peanut butter manufacturing	<1	79	181	542
Other snack food manufacturing	<1	22	37	184
Coffee and tea manufacturing	<1	4	7	38
Flavoring syrup and concentrate manufacturing	<1	194	996	2,013
Mayonnaise, dressing, and sauce manufacturing	<1	43	71	363
Spice and extract manufacturing	<1	60	84	328
All other food manufacturing	<1	85	108	527
Bottled and canned soft drinks & water	<1	151	227	1,299
Manufactured ice	<1	5	3	15

## Appendix

Breweries	<1	78	144	546
Wineries	<1	17	26	134
Distilleries	<1	2,071	5,623	12,815
Tobacco product manufacturing	<1	140	2,609	5,120
Fiber, yarn, and thread mills	<1	0	0	3
Broadwoven fabric mills	<1	3	4	14
Narrow fabric mills and schiffli machine embroidery	<1	2	2	6
Nonwoven fabric mills	<1	13	23	86
Knit fabric mills	<1	0	1	2
Textile and fabric finishing mills	<1	<1	<1	1
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	3	5	10
Curtain and linen mills	<1	7	9	23
Textile bag and canvas mills	<1	17	24	83
Rope, cordage, twine, tire cord and tire fabric mills	<1	3	5	13
Other textile product mills	<1	11	14	42
Hosiery and sock mills	<1	1	1	4
Other apparel knitting mills	<1	1	1	4
Cut and sew apparel contractors	<1	3	3	6
Men's and boys' cut and sew apparel manufacturing	<1	6	6	16
Women's and girls' cut and sew apparel manufacturing	<1	6	5	26
Other cut and sew apparel manufacturing	<1	7	7	23
Apparel accessories and other apparel manufacturing	<1	2	2	7
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	<1	2	2	8
Sawmills	<1	199	291	1,515
Wood preservation	<1	20	39	226
Veneer and plywood manufacturing	<1	78	106	432
Engineered wood member and truss manufacturing	<1	40	53	222
Reconstituted wood product manufacturing	<1	45	91	435
Wood windows and door manufacturing	<1	154	180	647
Cut stock, resawing lumber, and planing	<1	73	117	458

## Appendix

Other millwork, including flooring	<1	159	213	816
Wood container and pallet manufacturing	<1	105	124	365
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	8	11	37
All other miscellaneous wood product manufacturing	<1	42	52	195
Pulp mills	<1	<1	<1	3
Paper mills	<1	276	666	2,039
Paperboard mills	<1	56	119	437
Paperboard container manufacturing	<1	320	494	2,142
Paper bag and coated and treated paper manufacturing	<1	234	375	1,344
Stationery product manufacturing	<1	20	26	97
Sanitary paper product manufacturing	<1	162	486	1,407
All other converted paper product manufacturing	<1	43	75	233
Printing	<1	1,146	1,763	3,716
Support activities for printing	<1	39	61	87
Petroleum refineries	<1	384	2,535	16,972
Asphalt paving mixture and block manufacturing	<1	16	22	125
Asphalt shingle and coating materials manufacturing	<1	12	35	120
Petroleum lubricating oil and grease manufacturing	<1	18	40	110
All other petroleum and coal products manufacturing	<1	48	118	413
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	14	49	144
Synthetic dye and pigment manufacturing	<1	11	24	56
Other basic inorganic chemical manufacturing	<1	24	60	176
Other basic organic chemical manufacturing	<1	94	262	1,408
Plastics material and resin manufacturing	<1	159	313	1,903
Synthetic rubber manufacturing	<1	38	60	226
Artificial and synthetic fibers and filaments manufacturing	<1	0	0	5
Nitrogenous fertilizer manufacturing	<1	3	17	65

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	3	13
Pesticide and other agricultural chemical manufacturing	<1	8	35	139
Medicinal and botanical manufacturing	<1	20	37	85
Pharmaceutical preparation manufacturing	<1	103	325	775
In-vitro diagnostic substance manufacturing	<1	5	10	26
Biological product (except diagnostic) manufacturing	<1	<1	2	3
Paint and coating manufacturing	<1	91	214	776
Adhesive manufacturing	<1	26	49	180
Soap and other detergent manufacturing	<1	20	68	212
Polish and other sanitation good manufacturing	<1	20	39	116
Surface active agent manufacturing	<1	15	82	215
Toilet preparation manufacturing	<1	36	130	274
Printing ink manufacturing	<1	12	13	52
Explosives manufacturing	<1	4	4	11
Custom compounding of purchased resins	<1	22	43	141
Photographic film and chemical manufacturing	<1	4	10	47
Other miscellaneous chemical product manufacturing	<1	52	95	332
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	98	162	617
Unlaminated plastics profile shape manufacturing	<1	6	15	46
Plastics pipe and pipe fitting manufacturing	<1	7	21	76
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2	4	13
Polystyrene foam product manufacturing	<1	101	183	676
Urethane and other foam product (except polystyrene) manufacturing	<1	33	59	250
Plastics bottle manufacturing	<1	24	38	162
Other plastics product manufacturing	<1	489	738	2,370
Tire manufacturing	<1	24	30	139

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	25	41	136
Other rubber product manufacturing	<1	27	34	126
Pottery, ceramics, and plumbing fixture manufacturing	<1	5	7	18
Brick, tile, and other structural clay product manufacturing	<1	38	60	141
Flat glass manufacturing	<1	28	50	94
Other pressed and blown glass and glassware manufacturing	<1	<1	<1	3
Glass container manufacturing	<1	5	7	13
Glass product manufacturing made of purchased glass	<1	63	105	248
Cement manufacturing	<1	20	41	127
Ready-mix concrete manufacturing	<1	361	549	1,811
Concrete block and brick manufacturing	<1	55	91	232
Concrete pipe manufacturing	<1	7	11	29
Other concrete product manufacturing	<1	64	90	243
Lime manufacturing	<1	36	70	183
Gypsum product manufacturing	<1	8	19	49
Abrasive product manufacturing	<1	6	12	24
Cut stone and stone product manufacturing	<1	34	43	95
Ground or treated mineral and earth manufacturing	<1	7	15	28
Mineral wool manufacturing	<1	12	28	78
Miscellaneous nonmetallic mineral products manufacturing	<1	7	14	41
Iron and steel mills and ferroalloy manufacturing	<1	85	252	1,331
Iron, steel pipe and tube manufacturing from purchased steel	<1	3	8	46
Rolled steel shape manufacturing	<1	6	26	97
Steel wire drawing	<1	5	11	49
Alumina refining and primary aluminum production	<1	44	81	414
Secondary smelting and alloying of aluminum	<1	13	29	251
Aluminum sheet, plate, and foil manufacturing	<1	120	291	1,085
Other aluminum rolling, drawing and extruding	<1	9	14	60
Nonferrous metal (exc aluminum) smelting and refining	<1	0	2	7



## Appendix

Copper rolling, drawing, extruding and alloying	<1	83	199	1,471
Nonferrous metal, except copper and aluminum, shaping	<1	2	2	9
Secondary processing of other nonferrous metals	<1	<1	1	7
Ferrous metal foundries	<1	9	18	46
Nonferrous metal foundries	<1	26	36	89
Custom roll forming	<1	36	49	264
Crown and closure manufacturing and metal stamping	<1	45	56	214
Iron and steel forging	<1	24	31	118
Nonferrous forging	<1	5	6	25
Cutlery, utensil, pot, and pan manufacturing	<1	1	2	14
Handtool manufacturing	<1	8	12	35
Prefabricated metal buildings and components manufacturing	<1	6	9	37
Fabricated structural metal manufacturing	<1	45	62	261
Plate work manufacturing	<1	33	36	121
Metal window and door manufacturing	<1	13	17	46
Sheet metal work manufacturing	<1	121	156	506
Ornamental and architectural metal work manufacturing	<1	43	51	189
Power boiler and heat exchanger manufacturing	<1	3	3	11
Metal tank (heavy gauge) manufacturing	<1	5	6	20
Metal cans manufacturing	<1	6	10	53
Metal barrels, drums and pails manufacturing	<1	3	4	19
Hardware manufacturing	<1	20	28	105
Spring and wire product manufacturing	<1	90	114	381
Machine shops	<1	84	97	226
Turned product and screw, nut, and bolt manufacturing	<1	33	41	132
Metal heat treating	<1	22	27	60
Metal coating and nonprecious engraving	<1	139	219	551
Electroplating, anodizing, and coloring metal	<1	31	33	87
Valve and fittings, other than plumbing, manufacturing	<1	2	3	11
Plumbing fixture fitting and trim manufacturing	<1	5	9	36

## Appendix

Ball and roller bearing manufacturing	<1	12	17	56
Small arms ammunition manufacturing	<1	0	2	6
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	158	294	730
Fabricated pipe and pipe fitting manufacturing	<1	2	3	10
Other fabricated metal manufacturing	<1	47	59	195
Farm machinery and equipment manufacturing	<1	4	7	38
Lawn and garden equipment manufacturing	<1	1	2	9
Construction machinery manufacturing	<1	4	9	29
Mining machinery and equipment manufacturing	<1	2	3	9
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	<1	1	3
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	0	0	1
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	2	2	6
Optical instrument and lens manufacturing	<1	0	<1	1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	2	3	11
Air purification and ventilation equipment manufacturing	<1	12	14	41
Heating equipment (except warm air furnaces) manufacturing	<1	8	12	46
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	59	96	281
Industrial mold manufacturing	<1	4	4	11
Special tool, die, jig, and fixture manufacturing	<1	3	4	8

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	3	4	10
Machine tool manufacturing	<1	2	2	7
Rolling mill and other metalworking machinery manufacturing	<1	2	2	6
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	0	<1	2
Mechanical power transmission equipment manufacturing	<1	5	6	13
Other engine equipment manufacturing	<1	7	13	63
Pump and pumping equipment manufacturing	<1	1	2	8
Air and gas compressor manufacturing	<1	<1	<1	1
Elevator and moving stairway manufacturing	<1	2	3	10
Conveyor and conveying equipment manufacturing	<1	5	6	16
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	0	<1
Industrial truck, trailer, and stacker manufacturing	<1	5	9	34
Power-driven handtool manufacturing	<1	<1	2	4
Welding and soldering equipment manufacturing	<1	<1	<1	3
Packaging machinery manufacturing	<1	1	2	6
Industrial process furnace and oven manufacturing	<1	0	0	<1
Fluid power cylinder and actuator manufacturing	<1	9	13	34
Fluid power pump and motor manufacturing	<1	2	4	16
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	3	8
Electronic computer manufacturing	<1	<1	<1	2
Computer storage device manufacturing	<1	4	5	17
Computer terminals and other computer peripheral equipment manufacturing	<1	27	33	93
Telephone apparatus manufacturing	<1	2	3	11

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	13	17	65
Audio and video equipment manufacturing	<1	<1	<1	7
Printed circuit assembly (electronic assembly) manufacturing	<1	3	4	18
Bare printed circuit board manufacturing	<1	3	3	8
Semiconductor and related device manufacturing	<1	2	3	14
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	11	12	40
Electronic connector manufacturing	<1	<1	<1	2
Other electronic component manufacturing	<1	8	9	35
Electromedical and electrotherapeutic apparatus manufacturing	<1	0	<1	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	10	10	22
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	<1	1	2	3
Electricity and signal testing instruments manufacturing	<1	7	8	34
Analytical laboratory instrument manufacturing	<1	5,913	8,216	16,730
Irradiation apparatus manufacturing	<1	0	0	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	<1	7	17	113
Software and other prerecorded and record reproducing	<1	4	5	17
Electric lamp bulb and part manufacturing	<1	9	14	32
Lighting fixture manufacturing	<1	14	18	56
Small electrical appliance manufacturing	<1	2	4	9

## Appendix

Household cooking appliance manufacturing	<1	81	175	539
Household refrigerator and home freezer manufacturing	<1	101	202	579
Household laundry equipment manufacturing	<1	302	463	1,602
Other major household appliance manufacturing	<1	47	105	276
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	<1
Motor and generator manufacturing	<1	3	6	26
Switchgear and switchboard apparatus manufacturing	<1	10	18	52
Relay and industrial control manufacturing	<1	9	11	33
Storage battery manufacturing	<1	25	40	137
Primary battery manufacturing	<1	5	1	20
Fiber optic cable manufacturing	<1	8	12	53
Other communication and energy wire manufacturing	<1	0	0	<1
Wiring device manufacturing	<1	62	117	286
Carbon and graphite product manufacturing	<1	3	4	15
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	407	882	5,797
Light truck and utility vehicle manufacturing	<1	82	175	1,691
Heavy duty truck manufacturing	<1	2	3	23
Motor vehicle body manufacturing	<1	15	17	63
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	<1	137	190	757
Travel trailer and camper manufacturing	<1	5	6	24
Motor vehicle gasoline engine and engine parts manufacturing	<1	102	129	872
Motor vehicle electrical and electronic equipment manufacturing	<1	193	218	1,160
Motor vehicle transmission and power train parts manufacturing	<1	162	197	1,230
Motor vehicle seating and interior trim manufacturing	<1	176	193	1,116
Motor vehicle metal stamping	<1	213	242	1,077
Other motor vehicle parts manufacturing	<1	364	422	2,180

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	247	284	1,440
Aircraft manufacturing	<1	<1	1	4
Aircraft engine and engine parts manufacturing	<1	1	3	8
Other aircraft parts and auxiliary equipment manufacturing	<1	6	8	18
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	13	17	37
Boat building	<1	6	10	49
Motorcycle, bicycle, and parts manufacturing	<1	5	17	46
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	6	13	59
Wood kitchen cabinet and countertop manufacturing	<1	112	127	360
Upholstered household furniture manufacturing	<1	<1	<1	1
Nonupholstered wood household furniture manufacturing	<1	4	5	17
Other household nonupholstered furniture manufacturing	<1	<1	1	7
Institutional furniture manufacturing	<1	<1	<1	3
Wood office furniture manufacturing	<1	0	0	<1
Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	2	2	10
Showcase, partition, shelving, and locker manufacturing	<1	10	12	44
Mattress manufacturing	<1	19	26	138
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	4	5	11
Surgical appliance and supplies manufacturing	<1	20	27	90

## Appendix

Dental equipment and supplies manufacturing	<1	1	2	5
Ophthalmic goods manufacturing	<1	9	12	32
Dental laboratories	<1	10	10	21
Jewelry and silverware manufacturing	<1	31	46	139
Sporting and athletic goods manufacturing	<1	17	20	81
Doll, toy, and game manufacturing	<1	9	11	45
Office supplies (except paper) manufacturing	<1	13	15	68
Sign manufacturing	<1	76	67	168
Gasket, packing, and sealing device manufacturing	<1	17	17	44
Musical instrument manufacturing	<1	1	1	4
Fasteners, buttons, needles, and pins manufacturing	<1	9	9	22
Broom, brush, and mop manufacturing	<1	16	17	53
Burial casket manufacturing	<1	7	8	28
All other miscellaneous manufacturing	<1	46	55	199
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	311	727	1,642
Wholesale - Professional and commercial equipment and supplies	<1	1,882	3,108	5,538
Wholesale - Household appliances and electrical and electronic goods	<1	792	2,165	4,919
Wholesale - Machinery, equipment, and supplies	<1	829	1,679	3,125
Wholesale - Other durable goods merchant wholesalers	<1	1,856	3,657	7,604
Wholesale - Drugs and druggists'sundries	<1	1,342	3,690	8,477
Wholesale - Grocery and related product wholesalers	<1	2,299	3,714	7,550
Wholesale - Petroleum and petroleum products	<1	481	6,770	8,371
Wholesale - Other nondurable goods merchant wholesalers	<1	2,752	6,557	12,996
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,353	1,583	1,913
Retail - Motor vehicle and parts dealers	<1	2,245	3,072	4,515
Retail - Furniture and home furnishings stores	<1	956	1,262	2,277

## Appendix

Retail - Electronics and appliance stores	<1	942	797	1,467
Retail - Building material and garden equipment and supplies stores	<1	1,389	2,579	3,827
Retail - Food and beverage stores	<1	2,745	3,862	6,818
Retail - Health and personal care stores	<1	2,459	3,067	4,656
Retail - Gasoline stores	<1	1,320	2,954	6,308
Retail - Clothing and clothing accessories stores	<1	1,111	1,816	4,250
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,017	1,292	2,246
Retail - General merchandise stores	<1	3,403	5,151	9,024
Retail - Miscellaneous store retailers	<1	1,968	1,902	3,694
Retail - Nonstore retailers	<1	1,817	9,791	16,800
Air transportation	<1	3,920	5,439	15,748
Rail transportation	<1	917	3,100	5,140
Water transportation	<1	379	898	2,756
Truck transportation	<1	10,233	14,649	31,992
Transit and ground passenger transportation	<1	681	928	1,702
Pipeline transportation	<1	1,790	2,404	4,678
Scenic and sightseeing transportation and support activities for transportation	<1	4,186	3,046	4,769
Couriers and messengers	<1	4,512	7,539	8,290
Warehousing and storage	<1	4,974	5,214	9,843
Newspaper publishers	<1	265	334	617
Periodical publishers	<1	148	166	350
Book publishers	<1	175	296	894
Directory, mailing list, and other publishers	<1	142	224	510
Greeting card publishing	<1	1	2	7
Software publishers	<1	32,712	44,190	73,301
Motion picture and video industries	<1	404	681	2,183
Sound recording industries	<1	55	383	948
Radio and television broadcasting	<1	3,073	4,128	11,880
Cable and other subscription programming	<1	372	1,457	4,412
Wired telecommunications carriers	<1	2,297	5,079	10,088



## Appendix

Wireless telecommunications carriers (except satellite)	<1	562	3,687	10,376
Satellite, telecommunications resellers, and all other telecommunications	<1	369	582	1,414
Data processing, hosting, and related services	<1	31,910	56,835	189,597
News syndicates, libraries, archives and all other information services	<1	83	109	335
Internet publishing and broadcasting and web search portals	<1	361	770	5,549
Nondepository credit intermediation and related activities	<1	2,368	2,484	4,410
Securities and commodity contracts intermediation and brokerage	<1	3,907	3,603	7,570
Monetary authorities and depository credit intermediation	<1	8,370	16,749	32,526
Other financial investment activities	<1	1,617	1,911	5,340
Direct life insurance carriers	<1	495	942	1,361
Insurance carriers, except direct life	<1	4,725	13,664	28,800
Insurance agencies, brokerages, and related activities	<1	3,886	5,978	15,426
Funds, trusts, and other financial vehicles	<1	595	792	4,501
Other real estate	<1	10,543	30,079	76,489
Tenant-occupied housing	<1	991	7,866	8,733
Owner-occupied dwellings	0	0	44,813	54,290
Automotive equipment rental and leasing	<1	651	3,053	3,793
General and consumer goods rental except video tapes and discs	<1	1,070	2,135	3,132
Video tape and disc rental	<1	183	324	531
Commercial and industrial machinery and equipment rental and leasing	<1	909	3,323	4,145
Lessors of nonfinancial intangible assets	<1	63	1,969	2,279
Legal services	<1	4,551	7,671	11,590
Accounting, tax preparation, bookkeeping, and payroll services	<1	4,539	5,062	8,751
Architectural, engineering, and related services	<1	1,707	1,781	3,474
Specialized design services	<1	253	339	738

Appendix

Custom computer programming services	<1	1,579	1,656	2,533
Computer systems design services	<1	2,916	2,609	3,595
Other computer related services, including facilities management	<1	1,802	2,136	4,864
Management consulting services	<1	7,268	7,401	13,665
Environmental and other technical consulting services	<1	1,419	1,496	2,675
Scientific research and development services	<1	8,250	10,524	22,396
Advertising, public relations, and related services	<1	2,807	3,623	9,898
Photographic services	<1	107	186	516
Veterinary services	<1	432	455	746
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	916	1,199	3,392
Management of companies and enterprises	<1	10,027	11,418	19,903
Office administrative services	<1	4,872	1,158	4,585
Facilities support services	<1	484	617	1,923
Employment services	<1	17,315	22,444	42,032
Business support services	<1	2,638	2,162	4,515
Travel arrangement and reservation services	<1	212	312	1,206
Investigation and security services	<1	1,994	2,016	3,143
Services to buildings	<1	2,718	3,553	7,933
Landscape and horticultural services	<1	1,656	1,942	3,914
Other support services	<1	1,210	1,471	3,368
Waste management and remediation services	<1	1,198	1,989	4,161
Elementary and secondary schools	<1	561	401	527
Junior colleges, colleges, universities, and professional schools	4	151,989	175,358	269,636
Other educational services	<1	1,230	1,308	2,762
Offices of physicians	<1	15,388	15,454	22,236
Offices of dentists	<1	2,097	2,454	3,423
Offices of other health practitioners	<1	2,301	3,320	4,260
Outpatient care centers	<1	3,140	3,084	4,806
Medical and diagnostic laboratories	<1	887	1,367	1,946
Home health care services	<1	2,218	2,197	2,734

## Appendix

Other ambulatory health care services	<1	867	1,002	1,538
Hospitals	<1	21,925	24,829	46,933
Nursing and community care facilities	<1	2,514	2,732	4,498
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,239	1,290	1,876
Individual and family services	<1	3,679	3,109	4,439
Child day care services	<1	1,245	1,633	2,312
Community food, housing, and other relief services, including rehabilitation services	<1	901	842	1,823
Performing arts companies	<1	164	233	530
Commercial Sports Except Racing	<1	800	292	960
Racing and Track Operation	<1	104	172	321
Independent artists, writers, and performers	<1	115	202	404
Promoters of performing arts and sports and agents for public figures	<1	202	337	991
Museums, historical sites, zoos, and parks	<1	205	221	445
Amusement parks and arcades	<1	41	68	97
Gambling industries (except casino hotels)	<1	406	1,128	1,631
Other amusement and recreation industries	<1	515	389	692
Fitness and recreational sports centers	<1	302	363	714
Bowling centers	<1	50	72	130
Hotels and motels, including casino hotels	<1	429	945	1,475
Other accommodations	<1	61	73	102
Full-service restaurants	<1	7,371	11,156	22,225
Limited-service restaurants	<1	4,921	7,603	18,720
All other food and drinking places	<1	3,664	5,272	8,610
Automotive repair and maintenance, except car washes	<1	4,249	5,194	7,703
Car washes	<1	2,021	2,883	4,456
Electronic and precision equipment repair and maintenance	<1	915	1,229	2,226
Commercial and industrial machinery and equipment repair and maintenance	<1	2,141	2,642	4,339
Personal and household goods repair and maintenance	<1	455	1,045	1,468

Appendix

Personal care services	<1	1,034	990	1,147
Death care services	<1	275	271	355
Dry-cleaning and laundry services	<1	726	689	836
Other personal services	<1	808	1,033	1,497
Religious organizations	<1	2,810	2,335	5,056
Grantmaking, giving, and social advocacy organizations	<1	685	2,860	4,105
Business and professional associations	<1	643	1,288	2,154
Labor and civic organizations	<1	412	1,638	2,597
Private households	<1	467	467	468
Postal service	<1	2,941	2,954	2,973
Federal electric utilities	<1	474	1,152	3,049
Other federal government enterprises	<1	89	-53	91
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	426	691	1,065
Local government passenger transit	<1	1,743	74	698
Local government electric utilities	<1	439	1,250	2,850
Other local government enterprises	<1	5,257	12,096	24,729
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	201,185	262,523	480,411

## Louisiana

## NASA

Table 679: Detailed NASA Impacts by Types of Impact, Louisiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,418</i>	<i>159,140,960</i>	<i>246,485,476</i>	<i>507,376,321</i>
Oilseed farming	<1	105,121	303,639	545,036
Grain farming	1	76,984	100,358	620,683
Vegetable and melon farming	<1	14,141	24,141	60,430
Fruit farming	<1	1,322	2,109	3,924
Tree nut farming	<1	2,378	4,045	8,070
Greenhouse, nursery, and floriculture production	<1	10,275	18,870	56,919
Tobacco farming	0	0	0	0
Cotton farming	<1	2,457	4,528	12,742
Sugarcane and sugar beet farming	<1	26,406	43,254	127,595
All other crop farming	3	27,495	44,622	134,105
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	17,532	35,554	118,394
Dairy cattle and milk production	<1	2,542	4,724	30,814
Poultry and egg production	<1	6,846	14,112	244,287
Animal production, except cattle and poultry and eggs	2	83,646	237,818	342,379
Forestry, forest products, and timber tract production	<1	3,892	4,235	6,268
Commercial logging	2	76,952	80,763	152,971
Commercial fishing	1	46,781	65,071	65,629
Commercial hunting and trapping	<1	7,294	7,435	9,065
Support activities for agriculture and forestry	2	54,695	55,657	64,044
Oil and gas extraction	1	275,384	862,954	1,799,007
Coal mining	<1	20,369	42,887	59,579
Copper, nickel, lead, and zinc mining	<1	108,530	369,245	552,823
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,742	5,777	9,266
Sand and gravel mining	<1	47,462	79,475	143,512

## Appendix

Other clay, ceramic, refractory minerals mining	<1	307	592	1,271
Potash, soda, and borate mineral mining	<1	2,585	3,636	6,308
Phosphate rock mining	<1	1,149	1,964	3,437
Other chemical and fertilizer mineral mining	<1	383	548	961
Other nonmetallic minerals	<1	9,232	15,208	26,521
Drilling oil and gas wells	<1	118	289	589
Support activities for oil and gas operations	<1	2,834	3,946	8,427
Metal mining services	<1	10,591	36,678	92,399
Other nonmetallic minerals services	<1	1,795	6,198	14,426
Electric power generation - Hydroelectric	<1	1,544	5,446	9,403
Electric power generation - Fossil fuel	<1	96,473	585,400	1,156,743
Electric power generation - Nuclear	<1	196,539	576,649	1,069,849
Electric power generation - Solar	<1	835	2,667	3,970
Electric power generation - Wind	<1	841	12,408	16,583
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,036	4,932	10,795
Electric power generation - All other	<1	2,591	2,484	4,162
Electric power transmission and distribution	3	356,996	2,182,337	4,326,674
Natural gas distribution	<1	41,926	258,125	459,016
Water, sewage and other systems	3	223,352	724,755	1,294,426
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	191	12,390,148	12,398,630	27,336,685
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	462,345	760,117	1,911,543
Maintenance and repair construction of residential structures	3	178,317	275,122	666,462
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	255	416	1,043
Dog and cat food manufacturing	<1	4,033	9,424	37,230
Other animal food manufacturing	<1	8,818	14,986	123,418
Flour milling	<1	4,621	8,923	53,832
Rice milling	<1	3,565	5,979	43,228
Malt manufacturing	0	0	0	0
Wet corn milling	<1	104,676	207,918	1,580,504
Soybean and other oilseed processing	<1	592	3,127	36,990
Fats and oils refining and blending	<1	802	1,904	23,018
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	8,766	21,867	108,741
Nonchocolate confectionery manufacturing	<1	929	1,248	6,414
Chocolate and confectionery manufacturing from cacao beans	<1	653	892	3,714
Confectionery manufacturing from purchased chocolate	<1	5,570	7,612	41,499
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	8,480	10,961	47,930
Canned fruits and vegetables manufacturing	<1	3,217	5,529	28,388
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	3,918	6,549	28,504
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	14,788	21,658	147,519
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,315	1,748	7,635



## Appendix

Frozen cakes and other pastries manufacturing	<1	15,604	24,785	47,163
Poultry processing	1	53,007	64,487	354,142
Animal, except poultry, slaughtering	<1	6,269	8,020	84,586
Meat processed from carcasses	<1	21,029	21,200	196,827
Rendering and meat byproduct processing	<1	1,006	1,247	7,526
Seafood product preparation and packaging	<1	25,185	32,510	205,262
Bread and bakery product, except frozen, manufacturing	1	59,890	87,331	222,156
Cookie and cracker manufacturing	<1	741	992	3,797
Dry pasta, mixes, and dough manufacturing	<1	9,772	19,297	74,236
Tortilla manufacturing	<1	233	300	1,228
Roasted nuts and peanut butter manufacturing	<1	6,554	11,484	53,727
Other snack food manufacturing	<1	5,153	7,700	41,967
Coffee and tea manufacturing	<1	16,811	27,646	113,213
Flavoring syrup and concentrate manufacturing	<1	2,029	11,990	35,229
Mayonnaise, dressing, and sauce manufacturing	<1	9,126	15,673	68,051
Spice and extract manufacturing	<1	6,305	9,441	45,677
All other food manufacturing	<1	8,333	11,155	61,591
Bottled and canned soft drinks & water	<1	52,047	84,969	387,160
Manufactured ice	<1	4,051	2,828	12,146
Breweries	<1	13,228	25,617	77,363
Wineries	<1	1,691	2,682	8,881
Distilleries	<1	4,619	19,834	47,902
Tobacco product manufacturing	<1	268	10,233	19,426
Fiber, yarn, and thread mills	<1	565	659	5,502
Broadwoven fabric mills	<1	3,172	3,711	16,978
Narrow fabric mills and schiffli machine embroidery	<1	123	129	476
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	145	158	675
Textile and fabric finishing mills	<1	17	19	120
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	1,838	2,259	15,506
Curtain and linen mills	<1	58	65	464
Textile bag and canvas mills	<1	2,138	2,346	9,308
Rope, cordage, twine, tire cord and tire fabric mills	<1	958	1,100	4,120

## Appendix

Other textile product mills	<1	3,514	3,744	13,932
Hosiery and sock mills	<1	105	219	494
Other apparel knitting mills	<1	138	282	684
Cut and sew apparel contractors	<1	160	231	627
Men's and boys' cut and sew apparel manufacturing	<1	629	686	3,347
Women's and girls' cut and sew apparel manufacturing	<1	688	609	6,831
Other cut and sew apparel manufacturing	<1	330	390	2,037
Apparel accessories and other apparel manufacturing	<1	457	508	2,598
Leather and hide tanning and finishing	<1	192	151	1,709
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	131	123	574
Sawmills	1	74,847	233,204	621,862
Wood preservation	<1	6,671	40,781	112,987
Veneer and plywood manufacturing	1	110,996	274,732	707,627
Engineered wood member and truss manufacturing	<1	55,023	158,610	342,512
Reconstituted wood product manufacturing	<1	35,192	228,626	566,252
Wood windows and door manufacturing	<1	27,362	57,086	137,679
Cut stock, resawing lumber, and planing	<1	2,607	9,738	22,158
Other millwork, including flooring	<1	6,419	18,337	49,399
Wood container and pallet manufacturing	<1	18,555	39,594	99,299
Manufactured home (mobile home) manufacturing	<1	34	76	165
Prefabricated wood building manufacturing	<1	27,227	85,966	179,331
All other miscellaneous wood product manufacturing	1	84,305	176,662	384,985
Pulp mills	0	0	0	0
Paper mills	<1	83,632	258,420	652,301
Paperboard mills	<1	75,659	213,605	605,394
Paperboard container manufacturing	<1	52,557	99,635	372,226
Paper bag and coated and treated paper manufacturing	<1	12,755	25,684	94,805
Stationery product manufacturing	<1	1,639	2,454	12,878

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	2,872	6,420	22,093
Printing	4	154,286	191,979	545,852
Support activities for printing	<1	1,556	1,964	3,867
Petroleum refineries	<1	186,063	1,135,397	8,196,901
Asphalt paving mixture and block manufacturing	<1	20,178	26,748	176,788
Asphalt shingle and coating materials manufacturing	<1	25,955	71,555	186,759
Petroleum lubricating oil and grease manufacturing	<1	16,185	33,013	117,693
All other petroleum and coal products manufacturing	<1	18,459	43,957	134,100
Petrochemical manufacturing	<1	67,606	834,441	2,653,203
Industrial gas manufacturing	<1	180,874	522,843	1,300,878
Synthetic dye and pigment manufacturing	<1	2,141	4,132	11,354
Other basic inorganic chemical manufacturing	<1	91,641	202,573	538,268
Other basic organic chemical manufacturing	<1	89,184	212,743	1,130,152
Plastics material and resin manufacturing	<1	68,178	121,642	643,068
Synthetic rubber manufacturing	<1	15,695	22,432	79,975
Artificial and synthetic fibers and filaments manufacturing	<1	717	1,044	3,624
Nitrogenous fertilizer manufacturing	<1	38,861	138,603	365,641
Phosphatic fertilizer manufacturing	<1	13,238	36,396	97,572
Fertilizer mixing	<1	807	1,648	5,204
Pesticide and other agricultural chemical manufacturing	<1	17,087	59,585	182,282
Medicinal and botanical manufacturing	<1	1,169	1,850	7,449
Pharmaceutical preparation manufacturing	<1	5,824	15,419	44,854
In-vitro diagnostic substance manufacturing	<1	209	307	783
Biological product (except diagnostic) manufacturing	<1	163	468	1,005
Paint and coating manufacturing	<1	4,096	8,276	39,043
Adhesive manufacturing	<1	6,829	10,931	46,110
Soap and other detergent manufacturing	<1	21,336	56,881	186,480
Polish and other sanitation good manufacturing	<1	1,083	1,761	4,866

## Appendix

Surface active agent manufacturing	<1	2,935	11,445	32,003
Toilet preparation manufacturing	<1	1,031	3,044	8,651
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	91	105	553
Custom compounding of purchased resins	<1	449	834	3,605
Photographic film and chemical manufacturing	<1	182	393	2,000
Other miscellaneous chemical product manufacturing	<1	19,690	31,018	115,289
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	9,742	19,869	70,685
Unlaminated plastics profile shape manufacturing	<1	1,091	3,387	9,372
Plastics pipe and pipe fitting manufacturing	<1	10,160	42,058	133,326
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,426	3,083	8,435
Polystyrene foam product manufacturing	<1	1,345	3,091	8,125
Urethane and other foam product (except polystyrene) manufacturing	<1	238	526	1,515
Plastics bottle manufacturing	<1	6,093	11,823	45,430
Other plastics product manufacturing	<1	18,485	33,860	99,377
Tire manufacturing	<1	14,414	20,514	58,569
Rubber and plastics hoses and belting manufacturing	<1	11,507	22,644	55,418
Other rubber product manufacturing	<1	2,706	3,902	11,876
Pottery, ceramics, and plumbing fixture manufacturing	<1	11,753	20,375	35,350
Brick, tile, and other structural clay product manufacturing	<1	5,699	10,892	34,504
Flat glass manufacturing	<1	8,720	19,616	41,455
Other pressed and blown glass and glassware manufacturing	<1	999	1,854	4,083
Glass container manufacturing	<1	2,754	4,892	11,538
Glass product manufacturing made of purchased glass	<1	2,270	4,700	15,774
Cement manufacturing	<1	15,007	40,391	108,306
Ready-mix concrete manufacturing	2	134,758	246,320	800,436
Concrete block and brick manufacturing	<1	27,805	55,850	151,481
Concrete pipe manufacturing	<1	28,152	51,669	148,164

Appendix

Other concrete product manufacturing	2	127,067	206,141	577,500
Lime manufacturing	<1	1,419	3,582	8,942
Gypsum product manufacturing	3	269,217	919,337	2,143,360
Abrasive product manufacturing	<1	1,609	4,062	7,627
Cut stone and stone product manufacturing	<1	8,532	11,896	29,544
Ground or treated mineral and earth manufacturing	<1	41,351	111,197	223,368
Mineral wool manufacturing	<1	4,926	15,740	38,634
Miscellaneous nonmetallic mineral products manufacturing	<1	13,387	36,343	90,195
Iron and steel mills and ferroalloy manufacturing	<1	19,079	33,712	225,548
Iron, steel pipe and tube manufacturing from purchased steel	<1	20,316	32,730	197,984
Rolled steel shape manufacturing	<1	1,613	3,547	22,872
Steel wire drawing	<1	698	1,040	6,581
Alumina refining and primary aluminum production	<1	7,249	9,869	63,003
Secondary smelting and alloying of aluminum	<1	333	496	5,898
Aluminum sheet, plate, and foil manufacturing	<1	1,111	1,794	13,237
Other aluminum rolling, drawing and extruding	<1	1,601	1,944	10,729
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	864	964	4,656
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	329	407	1,227
Nonferrous metal foundries	<1	444	509	1,534
Custom roll forming	<1	942	1,107	7,109
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	260	300	1,292
Nonferrous forging	<1	430	475	1,822
Cutlery, utensil, pot, and pan manufacturing	<1	414	567	2,602
Handtool manufacturing	<1	77	96	359
Prefabricated metal buildings and components manufacturing	2	135,935	160,216	694,075

## Appendix

Fabricated structural metal manufacturing	5	410,172	493,787	2,094,718
Plate work manufacturing	<1	22,358	23,732	76,688
Metal window and door manufacturing	<1	9,609	11,116	41,172
Sheet metal work manufacturing	<1	10,888	12,356	40,677
Ornamental and architectural metal work manufacturing	<1	22,744	24,623	79,830
Power boiler and heat exchanger manufacturing	<1	2,007	2,302	6,984
Metal tank (heavy gauge) manufacturing	<1	26,420	28,791	92,682
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	352	403	2,447
Hardware manufacturing	<1	174	211	1,009
Spring and wire product manufacturing	<1	6,640	7,472	27,939
Machine shops	<1	82,258	88,007	192,837
Turned product and screw, nut, and bolt manufacturing	<1	1,650	1,844	6,472
Metal heat treating	<1	15,085	16,910	42,145
Metal coating and nonprecious engraving	<1	15,342	19,471	61,493
Electroplating, anodizing, and coloring metal	<1	1,957	2,041	5,151
Valve and fittings, other than plumbing, manufacturing	<1	33,520	39,712	134,433
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2,737	4,192	11,536
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	2,529	3,535	10,142
Fabricated pipe and pipe fitting manufacturing	<1	30,675	33,480	103,193
Other fabricated metal manufacturing	<1	25,827	29,039	101,120
Farm machinery and equipment manufacturing	<1	744	1,169	4,486
Lawn and garden equipment manufacturing	<1	226	348	1,482
Construction machinery manufacturing	<1	1,336	2,566	8,936
Mining machinery and equipment manufacturing	<1	188	238	729

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	3,247	3,853	12,882
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	118	130	387
Sawmill, woodworking, and paper machinery	<1	111	122	389
Printing machinery and equipment manufacturing	<1	22	24	82
All other industrial machinery manufacturing	<1	100	117	361
Optical instrument and lens manufacturing	<1	268	341	1,055
Photographic and photocopying equipment manufacturing	<1	90	102	381
Other commercial service industry machinery manufacturing	<1	5,933	8,185	31,643
Air purification and ventilation equipment manufacturing	<1	743	882	2,374
Heating equipment (except warm air furnaces) manufacturing	<1	310	423	1,308
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,193	10,488	41,242
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	<1	83	99	197
Cutting tool and machine tool accessory manufacturing	<1	73	80	237
Machine tool manufacturing	<1	495	576	1,897
Rolling mill and other metalworking machinery manufacturing	<1	201	242	588
Turbine and turbine generator set units manufacturing	<1	9	10	41
Speed changer, industrial high-speed drive, and gear manufacturing	<1	125	158	630
Mechanical power transmission equipment manufacturing	<1	38	48	176
Other engine equipment manufacturing	<1	883	1,554	8,233
Pump and pumping equipment manufacturing	<1	1,150	1,647	6,106
Air and gas compressor manufacturing	<1	499	610	1,985
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	152	164	365
Overhead cranes, hoists, and monorail systems manufacturing	<1	532	782	3,330
Industrial truck, trailer, and stacker manufacturing	<1	345	481	1,364
Power-driven handtool manufacturing	<1	93	201	674
Welding and soldering equipment manufacturing	<1	19	25	84
Packaging machinery manufacturing	<1	24	31	100
Industrial process furnace and oven manufacturing	<1	54	61	158
Fluid power cylinder and actuator manufacturing	<1	280	354	885
Fluid power pump and motor manufacturing	<1	224	309	1,168
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	422	479	1,309
Electronic computer manufacturing	<1	9	11	82
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	181	235	878
Telephone apparatus manufacturing	<1	38	55	210
Broadcast and wireless communications equipment manufacturing	<1	15	19	60
Other communications equipment manufacturing	<1	123	174	735
Audio and video equipment manufacturing	<1	114	167	1,044
Printed circuit assembly (electronic assembly) manufacturing	<1	484	666	2,932
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	35	53	529
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	180	209	631
Electronic connector manufacturing	<1	564	674	1,975
Other electronic component manufacturing	<1	272	312	878



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	8	11	28
Search, detection, and navigation instruments manufacturing	<1	129	169	497
Automatic environmental control manufacturing	<1	226	275	600
Industrial process variable instruments manufacturing	<1	1,856	2,340	6,725
Totalizing fluid meter and counting device manufacturing	<1	304	505	1,464
Electricity and signal testing instruments manufacturing	<1	1	2	4
Analytical laboratory instrument manufacturing	<1	70	92	440
Irradiation apparatus manufacturing	<1	4	6	36
Watch, clock, and other measuring and controlling device manufacturing	<1	49	62	234
Blank magnetic and optical recording media manufacturing	<1	376	1,007	7,290
Software and other prerecorded and record reproducing	<1	927	1,221	4,480
Electric lamp bulb and part manufacturing	<1	313	275	985
Lighting fixture manufacturing	<1	8,209	6,108	28,312
Small electrical appliance manufacturing	<1	37	21	223
Household cooking appliance manufacturing	<1	89	32	606
Household refrigerator and home freezer manufacturing	<1	82	36	494
Household laundry equipment manufacturing	<1	192	139	1,218
Other major household appliance manufacturing	<1	40	14	230
Power, distribution, and specialty transformer manufacturing	<1	3,409	3,097	12,144
Motor and generator manufacturing	<1	1,230	1,059	6,466
Switchgear and switchboard apparatus manufacturing	<1	22,212	17,992	96,376
Relay and industrial control manufacturing	<1	817	746	2,741
Storage battery manufacturing	<1	279	259	1,267
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2,141	2,019	12,752

Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	220	173	964
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	1	200,741	202,269	532,461
Automobile manufacturing	<1	1,965	115	24,802
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	20	12	197
Motor vehicle body manufacturing	<1	293	259	1,400
Truck trailer manufacturing	<1	34	26	173
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	13,466	11,632	66,839
Motor vehicle gasoline engine and engine parts manufacturing	<1	381	286	3,318
Motor vehicle electrical and electronic equipment manufacturing	<1	4,445	4,710	24,359
Motor vehicle transmission and power train parts manufacturing	<1	2,085	1,480	12,669
Motor vehicle seating and interior trim manufacturing	<1	82	74	506
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	5,213	4,099	40,579
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,515	1,910	14,056
Aircraft manufacturing	<1	85	145	365
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	5,017	7,034	12,448
Guided missile and space vehicle manufacturing	<1	14	24	44
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	53	77	132
Railroad rolling stock manufacturing	<1	57	64	279
Ship building and repairing	<1	3,864	5,592	11,861
Boat building	<1	11,637	18,036	54,031
Motorcycle, bicycle, and parts manufacturing	0	0	0	0

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	3,305	7,481	18,455
All other transportation equipment manufacturing	<1	8,976	19,418	66,549
Wood kitchen cabinet and countertop manufacturing	<1	11,440	13,429	43,373
Upholstered household furniture manufacturing	<1	586	623	1,898
Nonupholstered wood household furniture manufacturing	<1	1,397	1,530	5,447
Other household nonupholstered furniture manufacturing	<1	135	191	667
Institutional furniture manufacturing	<1	55	57	128
Wood office furniture manufacturing	<1	85	98	426
Custom architectural woodwork and millwork	<1	323	314	1,192
Office furniture, except wood, manufacturing	<1	94	126	691
Showcase, partition, shelving, and locker manufacturing	<1	53	64	289
Mattress manufacturing	<1	240	356	2,159
Blind and shade manufacturing	<1	156	156	679
Surgical and medical instrument manufacturing	<1	283	369	742
Surgical appliance and supplies manufacturing	<1	2,774	4,322	15,790
Dental equipment and supplies manufacturing	<1	20	28	79
Ophthalmic goods manufacturing	<1	70	103	285
Dental laboratories	<1	1,762	1,899	4,223
Jewelry and silverware manufacturing	<1	21,670	29,783	86,983
Sporting and athletic goods manufacturing	<1	955	1,230	6,134
Doll, toy, and game manufacturing	<1	60	85	274
Office supplies (except paper) manufacturing	<1	156	206	1,306
Sign manufacturing	<1	10,395	9,510	27,926
Gasket, packing, and sealing device manufacturing	<1	5,820	6,298	16,061
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	<1	221	237	815

## Appendix

Broom, brush, and mop manufacturing	<1	54	64	415
Burial casket manufacturing	<1	564	758	2,797
All other miscellaneous manufacturing	<1	12,283	15,577	46,808
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	111,666	212,156	539,890
Wholesale - Professional and commercial equipment and supplies	4	462,910	667,089	1,237,809
Wholesale - Household appliances and electrical and electronic goods	4	486,814	1,014,896	2,461,713
Wholesale - Machinery, equipment, and supplies	6	600,388	990,764	1,902,496
Wholesale - Other durable goods merchant wholesalers	13	1,213,247	1,959,761	4,280,186
Wholesale - Drugs and druggists'sundries	2	286,201	583,295	1,337,604
Wholesale - Grocery and related product wholesalers	5	397,862	548,734	1,188,185
Wholesale - Petroleum and petroleum products	<1	80,929	797,719	1,027,043
Wholesale - Other nondurable goods merchant wholesalers	6	549,629	1,059,344	2,127,434
Wholesale - Wholesale electronic markets and agents and brokers	4	546,728	601,727	702,545
Retail - Motor vehicle and parts dealers	7	467,423	751,437	1,045,992
Retail - Furniture and home furnishings stores	4	201,228	314,278	532,023
Retail - Electronics and appliance stores	5	236,009	236,459	415,528
Retail - Building material and garden equipment and supplies stores	13	629,805	1,367,939	1,923,140
Retail - Food and beverage stores	21	755,292	1,153,575	1,892,152
Retail - Health and personal care stores	10	490,218	645,188	961,707
Retail - Gasoline stores	6	250,950	610,273	1,116,497
Retail - Clothing and clothing accessories stores	10	273,504	571,708	1,221,333
Retail - Sporting goods, hobby, musical instrument and book stores	6	166,452	261,655	454,448
Retail - General merchandise stores	18	635,055	1,176,277	1,905,588
Retail - Miscellaneous store retailers	15	425,833	502,064	842,027
Retail - Nonstore retailers	15	297,808	1,938,195	3,278,918
Air transportation	3	261,358	735,773	1,467,210

## Appendix

Rail transportation	<1	128,179	338,866	642,783
Water transportation	<1	56,681	96,673	444,909
Truck transportation	14	909,417	1,363,275	3,103,092
Transit and ground passenger transportation	16	250,965	256,735	526,265
Pipeline transportation	<1	113,291	196,619	375,643
Scenic and sightseeing transportation and support activities for transportation	6	556,589	564,364	810,661
Couriers and messengers	12	306,392	926,165	1,062,682
Warehousing and storage	7	537,387	565,305	929,534
Newspaper publishers	<1	44,663	59,146	105,147
Periodical publishers	<1	17,371	20,996	51,718
Book publishers	<1	9,195	16,517	43,433
Directory, mailing list, and other publishers	<1	14,643	24,806	55,775
Greeting card publishing	<1	718	1,541	3,670
Software publishers	3	375,275	571,218	967,224
Motion picture and video industries	11	931,848	1,689,973	3,456,796
Sound recording industries	<1	7,140	60,002	127,868
Radio and television broadcasting	3	280,661	517,825	1,532,023
Cable and other subscription programming	<1	64,031	575,505	1,456,856
Wired telecommunications carriers	20	2,078,420	5,767,747	10,211,216
Wireless telecommunications carriers (except satellite)	<1	19,895	211,776	493,120
Satellite, telecommunications resellers, and all other telecommunications	<1	66,360	100,786	279,599
Data processing, hosting, and related services	5	449,112	844,657	3,101,097
News syndicates, libraries, archives and all other information services	<1	16,879	24,137	69,967
Internet publishing and broadcasting and web search portals	1	105,627	246,376	1,433,248
Nondepository credit intermediation and related activities	6	482,951	516,130	901,175
Securities and commodity contracts intermediation and brokerage	14	484,814	462,402	1,412,415
Monetary authorities and depository credit intermediation	15	1,492,101	3,761,963	6,363,811

## Appendix

Other financial investment activities	7	215,503	265,421	1,133,575
Direct life insurance carriers	<1	46,306	194,200	270,812
Insurance carriers, except direct life	5	421,794	2,772,956	4,452,515
Insurance agencies, brokerages, and related activities	8	601,778	1,370,913	2,933,436
Funds, trusts, and other financial vehicles	6	135,719	205,378	1,194,566
Other real estate	65	1,537,303	4,626,695	12,730,147
Tenant-occupied housing	9	210,360	1,950,824	2,161,834
Owner-occupied dwellings	0	0	10,388,268	12,536,919
Automotive equipment rental and leasing	2	192,399	678,899	842,284
General and consumer goods rental except video tapes and discs	2	179,410	305,501	421,867
Video tape and disc rental	<1	41,614	71,085	116,530
Commercial and industrial machinery and equipment rental and leasing	3	415,456	1,328,388	1,554,915
Lessors of nonfinancial intangible assets	<1	20,411	464,394	517,740
Legal services	22	1,989,670	2,915,498	4,395,932
Accounting, tax preparation, bookkeeping, and payroll services	17	1,239,104	1,281,679	2,317,737
Architectural, engineering, and related services	22	1,940,931	1,976,823	3,756,006
Specialized design services	<1	45,410	52,039	127,786
Custom computer programming services	3	268,831	267,030	414,904
Computer systems design services	5	465,989	386,522	542,904
Other computer related services, including facilities management	4	357,682	406,302	938,707
Management consulting services	16	1,314,611	1,331,164	2,347,969
Environmental and other technical consulting services	9	711,437	731,750	1,303,430
Scientific research and development services	75	5,946,366	7,740,196	16,875,786
Advertising, public relations, and related services	9	656,816	730,217	2,012,357
Photographic services	<1	37,298	55,894	184,811
Veterinary services	3	137,962	141,396	238,575
Marketing research and all other miscellaneous professional, scientific, and technical services	31	2,985,760	3,525,109	8,821,170
Management of companies and enterprises	28	2,789,679	3,184,211	5,845,413

## Appendix

Office administrative services	22	1,203,379	558,468	1,653,882
Facilities support services	521	23,958,224	32,394,616	88,384,174
Employment services	162	7,213,893	10,093,820	17,950,768
Business support services	12	458,152	409,899	879,524
Travel arrangement and reservation services	1	43,900	71,128	302,132
Investigation and security services	30	994,033	1,012,431	1,653,571
Services to buildings	20	597,806	850,187	2,005,916
Landscape and horticultural services	8	295,633	368,104	782,520
Other support services	8	363,512	464,928	1,063,318
Waste management and remediation services	9	704,501	1,064,692	2,320,877
Elementary and secondary schools	8	438,006	373,399	449,342
Junior colleges, colleges, universities, and professional schools	15	690,662	897,926	1,242,995
Other educational services	4	173,422	192,777	407,363
Offices of physicians	32	3,123,865	3,135,065	4,722,640
Offices of dentists	8	514,858	589,771	835,277
Offices of other health practitioners	9	534,038	741,396	974,681
Outpatient care centers	9	615,641	605,373	987,137
Medical and diagnostic laboratories	3	161,753	236,533	363,501
Home health care services	15	739,812	733,270	959,343
Other ambulatory health care services	3	228,080	258,455	401,881
Hospitals	51	4,647,162	5,289,600	10,063,032
Nursing and community care facilities	11	536,496	554,195	927,919
Residential mental retardation, mental health, substance abuse and other facilities	5	245,676	249,898	376,543
Individual and family services	26	752,062	670,731	998,324
Child day care services	9	250,148	374,142	513,539
Community food, housing, and other relief services, including rehabilitation services	5	150,127	143,954	349,468
Performing arts companies	1	35,251	83,696	133,284
Commercial Sports Except Racing	6	334,706	336,481	477,416
Racing and Track Operation	<1	12,739	33,025	51,707
Independent artists, writers, and performers	3	127,142	602,697	729,783

## Appendix

Promoters of performing arts and sports and agents for public figures	3	70,946	299,020	517,007
Museums, historical sites, zoos, and parks	<1	32,003	44,596	76,930
Amusement parks and arcades	<1	5,427	14,950	18,501
Gambling industries (except casino hotels)	5	177,044	499,144	708,090
Other amusement and recreation industries	4	84,949	80,345	129,219
Fitness and recreational sports centers	3	57,162	88,185	142,256
Bowling centers	<1	9,339	15,840	24,349
Hotels and motels, including casino hotels	4	162,048	333,197	505,931
Other accommodations	<1	31,675	39,963	52,906
Full-service restaurants	55	1,657,419	2,338,056	4,782,332
Limited-service restaurants	44	1,085,307	1,676,789	4,192,212
All other food and drinking places	35	1,166,281	1,657,426	2,753,036
Automotive repair and maintenance, except car washes	16	873,998	1,173,713	1,693,534
Car washes	8	455,485	731,890	1,075,447
Electronic and precision equipment repair and maintenance	3	183,189	245,285	435,004
Commercial and industrial machinery and equipment repair and maintenance	11	706,294	772,472	1,283,299
Personal and household goods repair and maintenance	12	532,718	1,389,483	1,887,925
Personal care services	8	177,732	161,933	197,009
Death care services	4	91,041	87,848	123,192
Dry-cleaning and laundry services	4	112,260	104,189	134,354
Other personal services	8	203,067	291,275	430,591
Religious organizations	6	225,657	181,260	528,839
Grantmaking, giving, and social advocacy organizations	2	110,974	665,744	862,849
Business and professional associations	2	120,609	310,476	504,106
Labor and civic organizations	3	69,910	394,287	580,641
Private households	7	125,153	125,153	125,153
Postal service	4	398,780	400,593	400,750
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	16,169	12,311	60,150
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	164,079	227,730	355,342
Local government passenger transit	2	185,254	3,904	57,648
Local government electric utilities	<1	17,583	44,556	144,826
Other local government enterprises	10	794,104	1,463,892	4,167,690
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	191	34,986,747	49,063,032	89,784,182

## Moon to Mars Campaign

**Table 680: Detailed M2M Campaign Impacts by Types of Impact, Louisiana**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,045</i>	<i>66,797,577</i>	<i>106,483,979</i>	<i>218,205,714</i>
Oilseed farming	<1	57,288	191,423	360,929
Grain farming	<1	28,920	51,955	237,288
Vegetable and melon farming	<1	5,337	9,631	23,259
Fruit farming	<1	548	890	1,619
Tree nut farming	<1	1,040	1,878	3,754
Greenhouse, nursery, and floriculture production	<1	3,802	7,402	21,649
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	<1	839	1,528	4,329
Sugarcane and sugar beet farming	<1	8,108	14,360	39,635
All other crop farming	<1	8,092	13,916	40,883
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	5,926	13,654	39,598
Dairy cattle and milk production	<1	1,013	2,045	12,166
Poultry and egg production	<1	2,402	5,274	85,769
Animal production, except cattle and poultry and eggs	<1	28,621	94,892	130,390
Forestry, forest products, and timber tract production	<1	1,414	1,549	2,252
Commercial logging	<1	18,233	20,475	36,853
Commercial fishing	<1	46,340	28,131	28,141
Commercial hunting and trapping	<1	4,201	2,764	3,334
Support activities for agriculture and forestry	<1	19,724	20,265	23,291
Oil and gas extraction	<1	61,208	231,368	538,619
Coal mining	<1	5,284	11,653	16,178
Copper, nickel, lead, and zinc mining	<1	34,118	119,606	175,002
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	399	1,294	2,078
Sand and gravel mining	<1	8,679	14,535	25,626
Other clay, ceramic, refractory minerals mining	<1	104	202	430
Potash, soda, and borate mineral mining	<1	968	1,372	2,392
Phosphate rock mining	<1	329	565	989
Other chemical and fertilizer mineral mining	<1	209	306	541
Other nonmetallic minerals	<1	4,549	7,555	13,200
Drilling oil and gas wells	<1	32	83	173
Support activities for oil and gas operations	<1	640	918	2,013
Metal mining services	<1	2,680	10,553	26,904
Other nonmetallic minerals services	<1	320	1,328	3,044
Electric power generation - Hydroelectric	<1	941	3,244	5,509

## Appendix

Electric power generation - Fossil fuel	<1	54,924	304,246	604,097
Electric power generation - Nuclear	<1	118,453	346,822	640,817
Electric power generation - Solar	<1	440	1,402	2,093
Electric power generation - Wind	<1	322	4,755	6,321
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	554	2,649	5,953
Electric power generation - All other	<1	1,450	867	1,811
Electric power transmission and distribution	1	166,631	974,114	1,930,269
Natural gas distribution	<1	19,385	116,727	203,890
Water, sewage and other systems	2	242,839	595,122	993,704
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	224,825	378,917	927,800
Maintenance and repair construction of residential structures	1	71,045	112,143	266,343
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	101	169	417
Dog and cat food manufacturing	<1	1,354	3,234	12,574
Other animal food manufacturing	<1	3,319	5,852	47,146
Flour milling	<1	1,540	3,009	18,439

## Appendix

Rice milling	<1	1,474	2,457	17,955
Malt manufacturing	0	0	0	0
Wet corn milling	<1	39,072	83,460	582,856
Soybean and other oilseed processing	<1	265	1,433	16,416
Fats and oils refining and blending	<1	357	867	10,227
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	4,159	11,113	51,710
Nonchocolate confectionery manufacturing	<1	356	478	2,426
Chocolate and confectionery manufacturing from cacao beans	<1	338	464	1,879
Confectionery manufacturing from purchased chocolate	<1	2,285	3,209	16,813
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	3,185	4,119	18,113
Canned fruits and vegetables manufacturing	<1	1,419	2,499	12,577
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1,770	2,954	12,751
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	6,173	9,360	62,627
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	529	718	3,058
Frozen cakes and other pastries manufacturing	<1	6,141	9,767	18,545
Poultry processing	<1	18,156	22,597	123,762
Animal, except poultry, slaughtering	<1	2,072	2,687	28,544
Meat processed from carcasses	<1	8,426	8,559	79,228
Rendering and meat byproduct processing	<1	408	507	3,067
Seafood product preparation and packaging	<1	9,459	12,683	77,233
Bread and bakery product, except frozen, manufacturing	<1	23,322	34,348	87,134
Cookie and cracker manufacturing	<1	335	468	1,676
Dry pasta, mixes, and dough manufacturing	<1	3,686	7,383	29,259
Tortilla manufacturing	<1	82	105	437

## Appendix

Roasted nuts and peanut butter manufacturing	<1	2,704	4,963	22,298
Other snack food manufacturing	<1	1,990	3,021	16,224
Coffee and tea manufacturing	<1	6,312	10,719	43,315
Flavoring syrup and concentrate manufacturing	<1	911	5,571	15,873
Mayonnaise, dressing, and sauce manufacturing	<1	3,742	6,442	27,789
Spice and extract manufacturing	<1	3,026	4,680	22,232
All other food manufacturing	<1	3,349	4,524	25,119
Bottled and canned soft drinks & water	<1	18,904	31,517	143,186
Manufactured ice	<1	1,589	1,139	4,635
Breweries	<1	4,987	10,101	30,231
Wineries	<1	820	1,328	4,283
Distilleries	<1	1,794	8,120	18,998
Tobacco product manufacturing	<1	109	4,989	8,782
Fiber, yarn, and thread mills	<1	259	307	2,496
Broadwoven fabric mills	<1	1,099	1,334	5,872
Narrow fabric mills and schiffli machine embroidery	<1	45	48	172
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	77	88	374
Textile and fabric finishing mills	<1	9	10	59
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	537	694	4,357
Curtain and linen mills	<1	25	28	195
Textile bag and canvas mills	<1	801	912	3,482
Rope, cordage, twine, tire cord and tire fabric mills	<1	301	373	1,309
Other textile product mills	<1	1,325	1,447	5,207
Hosiery and sock mills	<1	42	89	189
Other apparel knitting mills	<1	53	112	257
Cut and sew apparel contractors	<1	80	116	309
Men's and boys' cut and sew apparel manufacturing	<1	331	366	1,705
Women's and girls' cut and sew apparel manufacturing	<1	319	293	3,042
Other cut and sew apparel manufacturing	<1	161	192	962
Apparel accessories and other apparel manufacturing	<1	203	229	1,102
Leather and hide tanning and finishing	<1	96	78	848
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	55	52	237

## Appendix

Sawmills	<1	10,177	31,710	83,823
Wood preservation	<1	744	4,596	13,471
Veneer and plywood manufacturing	<1	32,435	79,912	204,882
Engineered wood member and truss manufacturing	<1	20,303	57,221	124,355
Reconstituted wood product manufacturing	<1	10,648	68,288	167,389
Wood windows and door manufacturing	<1	5,213	10,785	25,949
Cut stock, resawing lumber, and planing	<1	637	2,331	5,409
Other millwork, including flooring	<1	1,022	2,875	7,732
Wood container and pallet manufacturing	<1	9,257	19,529	49,087
Manufactured home (mobile home) manufacturing	<1	2	3	7
Prefabricated wood building manufacturing	<1	959	3,082	6,340
All other miscellaneous wood product manufacturing	<1	47,667	94,257	207,556
Pulp mills	0	0	0	0
Paper mills	<1	30,759	86,510	237,780
Paperboard mills	<1	34,375	91,118	272,769
Paperboard container manufacturing	<1	23,438	44,682	171,339
Paper bag and coated and treated paper manufacturing	<1	5,419	10,606	39,667
Stationery product manufacturing	<1	849	1,252	6,404
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	1,293	2,830	10,038
Printing	1	59,781	77,796	204,969
Support activities for printing	<1	925	1,182	2,293
Petroleum refineries	<1	67,287	461,829	3,063,546
Asphalt paving mixture and block manufacturing	<1	2,452	3,359	21,767
Asphalt shingle and coating materials manufacturing	<1	3,987	12,288	29,511
Petroleum lubricating oil and grease manufacturing	<1	6,316	13,227	45,500
All other petroleum and coal products manufacturing	<1	4,515	10,833	31,700
Petrochemical manufacturing	<1	23,205	332,388	924,594
Industrial gas manufacturing	<1	86,278	270,185	638,921

## Appendix

Synthetic dye and pigment manufacturing	<1	1,381	2,826	7,799
Other basic inorganic chemical manufacturing	<1	45,560	107,740	272,641
Other basic organic chemical manufacturing	<1	41,111	102,997	535,194
Plastics material and resin manufacturing	<1	27,837	52,467	269,229
Synthetic rubber manufacturing	<1	7,101	10,235	36,541
Artificial and synthetic fibers and filaments manufacturing	<1	301	439	1,537
Nitrogenous fertilizer manufacturing	<1	10,109	38,071	87,505
Phosphatic fertilizer manufacturing	<1	3,238	9,019	23,803
Fertilizer mixing	<1	160	349	1,044
Pesticide and other agricultural chemical manufacturing	<1	6,921	25,559	77,398
Medicinal and botanical manufacturing	<1	630	1,013	3,794
Pharmaceutical preparation manufacturing	<1	2,525	7,035	19,784
In-vitro diagnostic substance manufacturing	<1	128	184	476
Biological product (except diagnostic) manufacturing	<1	101	282	575
Paint and coating manufacturing	<1	1,362	2,913	13,459
Adhesive manufacturing	<1	2,320	3,859	15,760
Soap and other detergent manufacturing	<1	10,540	30,033	88,360
Polish and other sanitation good manufacturing	<1	517	882	2,341
Surface active agent manufacturing	<1	1,235	5,081	13,469
Toilet preparation manufacturing	<1	449	1,380	3,826
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	27	32	173
Custom compounding of purchased resins	<1	158	310	1,279
Photographic film and chemical manufacturing	<1	98	224	1,038
Other miscellaneous chemical product manufacturing	<1	7,486	12,278	44,941
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,763	7,731	27,063
Unlaminated plastics profile shape manufacturing	<1	578	1,840	4,872
Plastics pipe and pipe fitting manufacturing	<1	1,667	7,040	22,165

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	604	1,322	3,630
Polystyrene foam product manufacturing	<1	421	986	2,554
Urethane and other foam product (except polystyrene) manufacturing	<1	76	172	486
Plastics bottle manufacturing	<1	2,912	5,685	21,521
Other plastics product manufacturing	<1	6,418	12,041	34,364
Tire manufacturing	<1	5,148	7,571	21,107
Rubber and plastics hoses and belting manufacturing	<1	3,527	7,025	17,987
Other rubber product manufacturing	<1	1,176	1,704	5,347
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,570	2,743	4,679
Brick, tile, and other structural clay product manufacturing	<1	713	1,321	4,242
Flat glass manufacturing	<1	669	1,498	3,176
Other pressed and blown glass and glassware manufacturing	<1	527	982	2,123
Glass container manufacturing	<1	1,375	2,458	5,787
Glass product manufacturing made of purchased glass	<1	949	1,915	6,519
Cement manufacturing	<1	1,567	4,047	11,155
Ready-mix concrete manufacturing	<1	10,571	18,874	62,036
Concrete block and brick manufacturing	<1	1,507	2,964	8,186
Concrete pipe manufacturing	<1	486	894	2,588
Other concrete product manufacturing	<1	4,463	7,171	20,415
Lime manufacturing	<1	549	1,291	3,389
Gypsum product manufacturing	2	159,716	521,712	1,246,236
Abrasive product manufacturing	<1	352	859	1,630
Cut stone and stone product manufacturing	<1	1,980	2,743	6,828
Ground or treated mineral and earth manufacturing	<1	20,063	51,051	105,982
Mineral wool manufacturing	<1	435	1,313	3,229
Miscellaneous nonmetallic mineral products manufacturing	<1	279	734	1,809
Iron and steel mills and ferroalloy manufacturing	<1	4,337	7,931	51,953
Iron, steel pipe and tube manufacturing from purchased steel	<1	5,020	8,145	49,161



## Appendix

Rolled steel shape manufacturing	<1	360	827	5,356
Steel wire drawing	<1	85	127	809
Alumina refining and primary aluminum production	<1	3,020	4,118	26,964
Secondary smelting and alloying of aluminum	<1	120	180	2,131
Aluminum sheet, plate, and foil manufacturing	<1	336	559	4,130
Other aluminum rolling, drawing and extruding	<1	621	753	4,152
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	236	262	1,267
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	134	177	532
Nonferrous metal foundries	<1	182	210	629
Custom roll forming	<1	294	347	2,243
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	75	86	371
Nonferrous forging	<1	134	148	566
Cutlery, utensil, pot, and pan manufacturing	<1	175	231	1,056
Handtool manufacturing	<1	30	37	137
Prefabricated metal buildings and components manufacturing	<1	2,183	2,479	11,171
Fabricated structural metal manufacturing	3	220,325	263,465	1,124,525
Plate work manufacturing	<1	9,468	10,074	32,391
Metal window and door manufacturing	<1	1,223	1,416	5,178
Sheet metal work manufacturing	<1	2,328	2,617	8,487
Ornamental and architectural metal work manufacturing	<1	4,305	4,608	14,893
Power boiler and heat exchanger manufacturing	<1	485	555	1,693
Metal tank (heavy gauge) manufacturing	<1	10,566	11,499	35,812
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	139	160	965
Hardware manufacturing	<1	51	60	288
Spring and wire product manufacturing	<1	1,188	1,335	4,966

## Appendix

Machine shops	<1	34,707	37,028	80,761
Turned product and screw, nut, and bolt manufacturing	<1	501	559	1,956
Metal heat treating	<1	6,143	6,909	17,284
Metal coating and nonprecious engraving	<1	4,207	5,343	16,811
Electroplating, anodizing, and coloring metal	<1	648	676	1,708
Valve and fittings, other than plumbing, manufacturing	<1	5,805	6,887	23,480
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	1,387	2,148	5,775
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,169	1,703	4,755
Fabricated pipe and pipe fitting manufacturing	<1	4,872	5,259	16,479
Other fabricated metal manufacturing	<1	6,989	7,814	26,942
Farm machinery and equipment manufacturing	<1	288	477	1,739
Lawn and garden equipment manufacturing	<1	93	148	602
Construction machinery manufacturing	<1	232	471	1,530
Mining machinery and equipment manufacturing	<1	50	64	191
Oil and gas field machinery and equipment manufacturing	<1	910	1,091	3,665
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	26	28	83
Sawmill, woodworking, and paper machinery	<1	47	52	161
Printing machinery and equipment manufacturing	<1	7	7	27
All other industrial machinery manufacturing	<1	39	45	140
Optical instrument and lens manufacturing	<1	45	57	172
Photographic and photocopying equipment manufacturing	<1	45	53	191
Other commercial service industry machinery manufacturing	<1	592	836	3,150

## Appendix

Air purification and ventilation equipment manufacturing	<1	127	153	404
Heating equipment (except warm air furnaces) manufacturing	<1	73	101	299
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,905	2,797	10,770
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	<1	36	43	85
Cutting tool and machine tool accessory manufacturing	<1	28	31	90
Machine tool manufacturing	<1	242	286	941
Rolling mill and other metalworking machinery manufacturing	<1	86	105	248
Turbine and turbine generator set units manufacturing	<1	3	3	16
Speed changer, industrial high-speed drive, and gear manufacturing	<1	64	79	310
Mechanical power transmission equipment manufacturing	<1	18	22	83
Other engine equipment manufacturing	<1	366	659	3,364
Pump and pumping equipment manufacturing	<1	99	142	525
Air and gas compressor manufacturing	<1	78	95	305
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	59	66	143
Overhead cranes, hoists, and monorail systems manufacturing	<1	65	100	408
Industrial truck, trailer, and stacker manufacturing	<1	165	235	655
Power-driven handtool manufacturing	<1	53	109	371
Welding and soldering equipment manufacturing	<1	7	10	28
Packaging machinery manufacturing	<1	10	13	40
Industrial process furnace and oven manufacturing	<1	29	33	85
Fluid power cylinder and actuator manufacturing	<1	54	70	174
Fluid power pump and motor manufacturing	<1	51	70	263

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	117	133	364
Electronic computer manufacturing	<1	6	8	56
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	133	175	637
Telephone apparatus manufacturing	<1	22	33	121
Broadcast and wireless communications equipment manufacturing	<1	6	8	25
Other communications equipment manufacturing	<1	60	85	361
Audio and video equipment manufacturing	<1	58	87	505
Printed circuit assembly (electronic assembly) manufacturing	<1	264	359	1,601
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	13	20	207
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	85	99	295
Electronic connector manufacturing	<1	212	255	745
Other electronic component manufacturing	<1	78	90	249
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	5	12
Search, detection, and navigation instruments manufacturing	<1	49	65	190
Automatic environmental control manufacturing	<1	183	221	481
Industrial process variable instruments manufacturing	<1	485	614	1,763
Totalizing fluid meter and counting device manufacturing	<1	117	201	567
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	65	86	404
Irradiation apparatus manufacturing	<1	2	4	16

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	24	30	107
Blank magnetic and optical recording media manufacturing	<1	281	714	5,044
Software and other prerecorded and record reproducing	<1	948	1,244	4,390
Electric lamp bulb and part manufacturing	<1	162	144	504
Lighting fixture manufacturing	<1	4,131	3,111	13,732
Small electrical appliance manufacturing	<1	12	7	78
Household cooking appliance manufacturing	<1	38	14	264
Household refrigerator and home freezer manufacturing	<1	34	15	208
Household laundry equipment manufacturing	<1	69	52	446
Other major household appliance manufacturing	<1	12	5	76
Power, distribution, and specialty transformer manufacturing	<1	2,443	2,180	8,533
Motor and generator manufacturing	<1	481	415	2,531
Switchgear and switchboard apparatus manufacturing	<1	15,290	12,426	65,386
Relay and industrial control manufacturing	<1	395	358	1,313
Storage battery manufacturing	<1	144	132	638
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,612	1,501	9,242
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	59	47	260
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	12	12	33
Automobile manufacturing	<1	731	42	8,867
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	7	5	70
Motor vehicle body manufacturing	<1	107	94	526
Truck trailer manufacturing	<1	13	10	66
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	4,470	3,834	22,060

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	150	112	1,302
Motor vehicle electrical and electronic equipment manufacturing	<1	1,758	1,885	9,362
Motor vehicle transmission and power train parts manufacturing	<1	1,147	802	6,589
Motor vehicle seating and interior trim manufacturing	<1	33	31	202
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	2,062	1,602	15,925
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,029	793	5,844
Aircraft manufacturing	<1	24	39	102
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	31	44	83
Guided missile and space vehicle manufacturing	<1	6	10	18
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	17	25	42
Railroad rolling stock manufacturing	<1	44	49	210
Ship building and repairing	<1	1,915	2,631	5,770
Boat building	<1	3,910	5,967	18,044
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	1,447	3,105	7,481
All other transportation equipment manufacturing	<1	2,749	5,739	19,851
Wood kitchen cabinet and countertop manufacturing	<1	2,437	2,806	9,081
Upholstered household furniture manufacturing	<1	260	277	852
Nonupholstered wood household furniture manufacturing	<1	641	696	2,438
Other household nonupholstered furniture manufacturing	<1	54	76	258
Institutional furniture manufacturing	<1	9	9	18
Wood office furniture manufacturing	<1	<1	1	5

## Appendix

Custom architectural woodwork and millwork	<1	58	56	211
Office furniture, except wood, manufacturing	<1	12	15	84
Showcase, partition, shelving, and locker manufacturing	<1	14	17	76
Mattress manufacturing	<1	92	137	831
Blind and shade manufacturing	<1	51	52	233
Surgical and medical instrument manufacturing	<1	120	156	307
Surgical appliance and supplies manufacturing	<1	1,188	1,844	6,644
Dental equipment and supplies manufacturing	<1	9	12	33
Ophthalmic goods manufacturing	<1	28	41	114
Dental laboratories	<1	730	789	1,749
Jewelry and silverware manufacturing	<1	8,402	11,607	33,729
Sporting and athletic goods manufacturing	<1	350	448	2,191
Doll, toy, and game manufacturing	<1	25	37	116
Office supplies (except paper) manufacturing	<1	89	119	722
Sign manufacturing	<1	4,668	4,298	12,447
Gasket, packing, and sealing device manufacturing	<1	2,217	2,385	6,054
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	<1	100	109	385
Broom, brush, and mop manufacturing	<1	34	44	265
Burial casket manufacturing	<1	158	216	768
All other miscellaneous manufacturing	<1	5,132	6,437	19,236
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	48,184	92,478	236,007
Wholesale - Professional and commercial equipment and supplies	2	221,281	320,675	592,037
Wholesale - Household appliances and electrical and electronic goods	2	233,954	489,186	1,188,286
Wholesale - Machinery, equipment, and supplies	2	194,176	320,709	615,919
Wholesale - Other durable goods merchant wholesalers	4	404,732	651,533	1,425,438

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	113,316	231,529	524,908
Wholesale - Grocery and related product wholesalers	2	154,352	212,842	461,224
Wholesale - Petroleum and petroleum products	<1	24,493	290,723	364,389
Wholesale - Other nondurable goods merchant wholesalers	2	215,581	430,452	849,528
Wholesale - Wholesale electronic markets and agents and brokers	1	204,398	224,215	261,579
Retail - Motor vehicle and parts dealers	3	182,914	294,435	408,471
Retail - Furniture and home furnishings stores	2	77,530	121,489	205,080
Retail - Electronics and appliance stores	2	91,794	92,295	159,788
Retail - Building material and garden equipment and supplies stores	2	113,911	248,447	348,942
Retail - Food and beverage stores	8	304,422	465,123	761,038
Retail - Health and personal care stores	4	191,837	253,011	374,803
Retail - Gasoline stores	2	99,508	237,976	428,064
Retail - Clothing and clothing accessories stores	4	108,152	224,890	475,380
Retail - Sporting goods, hobby, musical instrument and book stores	2	64,418	101,333	174,939
Retail - General merchandise stores	7	242,041	449,707	724,285
Retail - Miscellaneous store retailers	6	162,664	192,675	320,639
Retail - Nonstore retailers	6	113,848	759,056	1,285,208
Air transportation	1	131,685	370,003	731,718
Rail transportation	<1	57,222	133,808	269,645
Water transportation	<1	26,721	46,867	203,079
Truck transportation	5	345,717	516,447	1,170,301
Transit and ground passenger transportation	9	154,551	157,843	308,961
Pipeline transportation	<1	30,143	58,328	114,716
Scenic and sightseeing transportation and support activities for transportation	3	251,883	252,489	362,470
Couriers and messengers	6	149,295	447,241	512,402
Warehousing and storage	3	241,767	255,407	418,376
Newspaper publishers	<1	23,174	33,252	56,290
Periodical publishers	<1	11,117	15,195	34,189
Book publishers	<1	5,427	11,058	27,344



## Appendix

Directory, mailing list, and other publishers	<1	7,121	12,769	28,647
Greeting card publishing	<1	253	595	1,369
Software publishers	<1	97,323	152,096	262,459
Motion picture and video industries	8	739,403	1,329,511	2,663,907
Sound recording industries	<1	4,807	40,763	83,842
Radio and television broadcasting	1	146,519	273,256	757,047
Cable and other subscription programming	<1	47,085	449,107	1,083,704
Wired telecommunications carriers	17	1,811,150	4,663,460	8,411,725
Wireless telecommunications carriers (except satellite)	<1	9,062	108,901	238,941
Satellite, telecommunications resellers, and all other telecommunications	<1	32,903	49,837	140,243
Data processing, hosting, and related services	3	231,505	433,608	1,573,162
News syndicates, libraries, archives and all other information services	<1	8,186	11,802	33,195
Internet publishing and broadcasting and web search portals	<1	61,363	142,886	833,322
Nondepository credit intermediation and related activities	2	218,398	233,992	400,189
Securities and commodity contracts intermediation and brokerage	6	229,780	212,192	602,973
Monetary authorities and depository credit intermediation	6	620,656	1,667,422	2,725,430
Other financial investment activities	3	102,671	125,870	496,112
Direct life insurance carriers	<1	16,778	71,607	98,866
Insurance carriers, except direct life	2	178,649	1,185,820	1,861,367
Insurance agencies, brokerages, and related activities	4	259,386	589,648	1,253,141
Funds, trusts, and other financial vehicles	2	58,849	94,520	484,981
Other real estate	30	768,758	2,274,190	6,063,363
Tenant-occupied housing	3	82,399	797,585	879,334
Owner-occupied dwellings	0	0	4,126,516	4,980,022
Automotive equipment rental and leasing	<1	89,465	325,152	394,886

## Appendix

General and consumer goods rental except video tapes and discs	<1	78,130	133,469	182,119
Video tape and disc rental	<1	15,738	27,100	44,544
Commercial and industrial machinery and equipment rental and leasing	1	144,252	462,220	539,878
Lessors of nonfinancial intangible assets	<1	9,925	243,453	270,371
Legal services	9	863,436	1,302,174	1,935,594
Accounting, tax preparation, bookkeeping, and payroll services	8	628,157	659,784	1,170,715
Architectural, engineering, and related services	11	959,697	989,484	1,866,961
Specialized design services	<1	22,374	26,063	62,308
Custom computer programming services	2	138,841	137,463	213,819
Computer systems design services	3	267,782	222,405	310,110
Other computer related services, including facilities management	2	213,233	240,951	554,421
Management consulting services	9	767,152	778,640	1,349,459
Environmental and other technical consulting services	5	401,607	416,176	730,338
Scientific research and development services	35	2,926,578	3,801,892	8,085,000
Advertising, public relations, and related services	4	333,602	375,584	1,014,522
Photographic services	<1	18,318	28,997	91,901
Veterinary services	1	54,669	56,439	94,138
Marketing research and all other miscellaneous professional, scientific, and technical services	25	2,497,714	3,119,207	7,426,521
Management of companies and enterprises	14	1,376,777	1,581,188	2,865,721
Office administrative services	14	795,218	400,070	1,085,677
Facilities support services	294	14,969,936	20,257,763	51,771,817
Employment services	86	4,147,928	5,929,412	10,094,958
Business support services	5	210,476	191,479	396,743
Travel arrangement and reservation services	<1	23,127	38,049	153,926
Investigation and security services	16	559,241	570,655	913,207
Services to buildings	9	299,641	435,578	993,485
Landscape and horticultural services	4	145,683	183,798	380,782
Other support services	4	184,659	238,832	535,061
Waste management and remediation services	4	334,461	504,540	1,093,210

## Appendix

Elementary and secondary schools	4	201,085	170,959	204,131
Junior colleges, colleges, universities, and professional schools	5	271,406	354,253	477,683
Other educational services	2	76,441	85,411	177,597
Offices of physicians	13	1,232,804	1,239,674	1,864,704
Offices of dentists	3	202,035	234,799	330,355
Offices of other health practitioners	4	202,535	289,475	377,592
Outpatient care centers	4	245,980	242,626	398,566
Medical and diagnostic laboratories	<1	64,469	97,122	147,180
Home health care services	6	304,079	302,165	397,316
Other ambulatory health care services	1	89,889	103,178	159,503
Hospitals	23	2,020,519	2,315,430	4,420,612
Nursing and community care facilities	4	226,393	234,142	386,883
Residential mental retardation, mental health, substance abuse and other facilities	2	112,156	114,150	170,166
Individual and family services	11	318,773	286,739	422,625
Child day care services	4	103,911	159,063	216,184
Community food, housing, and other relief services, including rehabilitation services	2	68,487	65,863	156,987
Performing arts companies	<1	18,417	43,360	64,887
Commercial Sports Except Racing	3	170,310	180,331	250,331
Racing and Track Operation	<1	5,670	14,382	21,742
Independent artists, writers, and performers	2	94,072	433,156	514,787
Promoters of performing arts and sports and agents for public figures	1	40,857	166,758	269,824
Museums, historical sites, zoos, and parks	<1	13,613	19,014	32,144
Amusement parks and arcades	<1	2,381	6,505	8,013
Gambling industries (except casino hotels)	2	71,701	205,380	288,847
Other amusement and recreation industries	1	36,388	34,722	55,003
Fitness and recreational sports centers	1	26,017	40,414	63,633
Bowling centers	<1	3,678	6,279	9,548
Hotels and motels, including casino hotels	2	82,991	166,846	252,839
Other accommodations	<1	16,158	20,285	26,631

Appendix

Full-service restaurants	24	727,369	1,022,224	2,081,026
Limited-service restaurants	18	446,250	686,213	1,694,293
All other food and drinking places	17	585,845	823,522	1,348,159
Automotive repair and maintenance, except car washes	7	395,859	517,680	745,148
Car washes	3	194,379	311,520	456,029
Electronic and precision equipment repair and maintenance	1	85,809	116,019	201,804
Commercial and industrial machinery and equipment repair and maintenance	5	326,959	354,819	582,656
Personal and household goods repair and maintenance	7	313,567	764,923	1,048,191
Personal care services	3	70,586	59,015	72,959
Death care services	1	39,269	35,171	49,914
Dry-cleaning and laundry services	2	48,150	41,056	53,707
Other personal services	4	93,928	131,250	194,701
Religious organizations	3	103,878	74,667	232,403
Grantmaking, giving, and social advocacy organizations	1	52,919	281,582	371,430
Business and professional associations	<1	54,032	126,960	207,202
Labor and civic organizations	1	32,043	160,105	242,022
Private households	3	52,274	52,274	52,274
Postal service	2	186,365	187,247	187,319
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	7,837	6,483	29,630
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	50,765	66,249	101,434
Local government passenger transit	<1	100,061	1,338	24,730
Local government electric utilities	<1	7,202	17,030	55,551
Other local government enterprises	5	373,140	579,653	1,771,360
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	52	9,148,063	13,265,741	24,275,991

## Investments in Climate Change Research and Technology

**Table 681: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>87</i>	<i>5,528,256</i>	<i>8,222,949</i>	<i>17,253,024</i>
Oilseed farming	<1	2,610	6,948	12,412
Grain farming	<1	2,427	2,984	18,903
Vegetable and melon farming	<1	512	866	2,162
Fruit farming	<1	46	73	138
Tree nut farming	<1	79	129	260
Greenhouse, nursery, and floriculture production	<1	384	700	2,112
Tobacco farming	0	0	0	0
Cotton farming	<1	180	311	937
Sugarcane and sugar beet farming	<1	1,154	1,944	5,728
All other crop farming	<1	1,641	2,644	7,938
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	951	1,735	5,761
Dairy cattle and milk production	<1	92	165	1,117
Poultry and egg production	<1	310	595	11,286
Animal production, except cattle and poultry and eggs	<1	3,559	9,226	13,001
Forestry, forest products, and timber tract production	<1	232	254	394

## Appendix

Commercial logging	<1	7,806	8,702	16,474
Commercial fishing	<1	1,048	2,327	2,351
Commercial hunting and trapping	<1	230	286	363
Support activities for agriculture and forestry	<1	2,668	2,710	3,093
Oil and gas extraction	<1	21,555	61,225	130,988
Coal mining	<1	1,090	2,363	3,325
Copper, nickel, lead, and zinc mining	<1	2,398	8,067	11,732
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	139	520	821
Sand and gravel mining	<1	5,821	10,216	18,362
Other clay, ceramic, refractory minerals mining	<1	22	43	93
Potash, soda, and borate mineral mining	<1	163	236	415
Phosphate rock mining	<1	123	217	380
Other chemical and fertilizer mineral mining	<1	9	14	25
Other nonmetallic minerals	<1	257	440	755
Drilling oil and gas wells	<1	10	26	53
Support activities for oil and gas operations	<1	194	267	556
Metal mining services	<1	879	3,431	8,117
Other nonmetallic minerals services	<1	246	830	1,803
Electric power generation - Hydroelectric	<1	43	151	256
Electric power generation - Fossil fuel	<1	2,631	17,134	33,878
Electric power generation - Nuclear	<1	5,946	18,129	34,359
Electric power generation - Solar	<1	24	77	116
Electric power generation - Wind	<1	34	543	739
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	25	117	253
Electric power generation - All other	<1	79	158	156
Electric power transmission and distribution	<1	9,738	61,983	123,963

## Appendix

Natural gas distribution	<1	1,471	9,154	16,434
Water, sewage and other systems	<1	1,443	4,856	8,845
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	33	2,039,362	2,086,399	4,628,683
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	10,075	16,511	42,322
Maintenance and repair construction of residential structures	<1	6,014	9,233	22,860
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	15	38
Dog and cat food manufacturing	<1	144	332	1,370
Other animal food manufacturing	<1	385	639	5,381
Flour milling	<1	207	396	2,366
Rice milling	<1	157	269	1,882
Malt manufacturing	0	0	0	0
Wet corn milling	<1	2,418	4,393	37,649
Soybean and other oilseed processing	<1	20	108	1,307
Fats and oils refining and blending	<1	32	75	877
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	360	868	4,465
Nonchocolate confectionery manufacturing	<1	32	43	232

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	19	25	108
Confectionery manufacturing from purchased chocolate	<1	222	299	1,607
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	335	435	1,914
Canned fruits and vegetables manufacturing	<1	117	200	1,030
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	128	216	938
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	521	752	5,194
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	48	63	283
Frozen cakes and other pastries manufacturing	<1	608	969	1,874
Poultry processing	<1	2,657	3,145	17,212
Animal, except poultry, slaughtering	<1	263	333	3,472
Meat processed from carcasses	<1	805	810	7,567
Rendering and meat byproduct processing	<1	44	53	317
Seafood product preparation and packaging	<1	1,000	1,286	8,598
Bread and bakery product, except frozen, manufacturing	<1	2,307	3,362	8,576
Cookie and cracker manufacturing	<1	26	34	140
Dry pasta, mixes, and dough manufacturing	<1	316	625	2,401
Tortilla manufacturing	<1	10	12	52
Roasted nuts and peanut butter manufacturing	<1	241	425	1,998
Other snack food manufacturing	<1	199	297	1,662
Coffee and tea manufacturing	<1	633	1,025	4,268
Flavoring syrup and concentrate manufacturing	<1	91	525	1,562
Mayonnaise, dressing, and sauce manufacturing	<1	381	666	2,809
Spice and extract manufacturing	<1	240	354	1,707
All other food manufacturing	<1	286	381	2,122
Bottled and canned soft drinks & water	<1	2,092	3,381	15,450
Manufactured ice	<1	148	102	461



## Appendix

Breweries	<1	460	876	2,655
Wineries	<1	57	91	302
Distilleries	<1	206	783	1,919
Tobacco product manufacturing	<1	11	346	686
Fiber, yarn, and thread mills	<1	17	21	170
Broadwoven fabric mills	<1	137	158	755
Narrow fabric mills and schiffli machine embroidery	<1	6	6	22
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	4	5	18
Textile and fabric finishing mills	<1	<1	<1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	144	178	1,231
Curtain and linen mills	<1	2	3	19
Textile bag and canvas mills	<1	106	115	469
Rope, cordage, twine, tire cord and tire fabric mills	<1	54	59	237
Other textile product mills	<1	210	222	858
Hosiery and sock mills	<1	4	8	19
Other apparel knitting mills	<1	6	11	29
Cut and sew apparel contractors	<1	7	10	28
Men's and boys' cut and sew apparel manufacturing	<1	18	19	96
Women's and girls' cut and sew apparel manufacturing	<1	23	20	240
Other cut and sew apparel manufacturing	<1	11	13	69
Apparel accessories and other apparel manufacturing	<1	17	19	106
Leather and hide tanning and finishing	<1	8	6	70
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	5	5	25
Sawmills	<1	10,954	35,149	91,892
Wood preservation	<1	1,204	7,657	20,313
Veneer and plywood manufacturing	<1	9,755	25,087	62,906
Engineered wood member and truss manufacturing	<1	4,436	13,185	28,024
Reconstituted wood product manufacturing	<1	3,760	25,194	57,735
Wood windows and door manufacturing	<1	3,130	6,609	16,129
Cut stock, resawing lumber, and planing	<1	216	864	1,907

Appendix

Other millwork, including flooring	<1	766	2,261	6,031
Wood container and pallet manufacturing	<1	552	1,223	3,061
Manufactured home (mobile home) manufacturing	<1	3	7	16
Prefabricated wood building manufacturing	<1	4,305	14,225	29,653
All other miscellaneous wood product manufacturing	<1	436	1,026	2,196
Pulp mills	0	0	0	0
Paper mills	<1	2,321	8,442	19,681
Paperboard mills	<1	2,230	6,879	18,124
Paperboard container manufacturing	<1	1,921	3,826	14,223
Paper bag and coated and treated paper manufacturing	<1	563	1,201	4,578
Stationery product manufacturing	<1	45	70	383
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	98	231	784
Printing	<1	3,600	4,498	12,770
Support activities for printing	<1	31	38	77
Petroleum refineries	<1	15,057	90,002	655,529
Asphalt paving mixture and block manufacturing	<1	2,786	3,537	24,481
Asphalt shingle and coating materials manufacturing	<1	2,918	7,714	20,535
Petroleum lubricating oil and grease manufacturing	<1	925	1,937	7,336
All other petroleum and coal products manufacturing	<1	1,326	3,133	10,755
Petrochemical manufacturing	<1	7,171	77,141	272,939
Industrial gas manufacturing	<1	1,203	3,259	8,404
Synthetic dye and pigment manufacturing	<1	24	41	114
Other basic inorganic chemical manufacturing	<1	2,671	5,395	14,682
Other basic organic chemical manufacturing	<1	3,084	6,763	36,036
Plastics material and resin manufacturing	<1	4,143	6,621	35,794
Synthetic rubber manufacturing	<1	1,441	1,936	6,637
Artificial and synthetic fibers and filaments manufacturing	<1	27	39	142
Nitrogenous fertilizer manufacturing	<1	3,190	11,673	35,815

Appendix

Phosphatic fertilizer manufacturing	<1	2,055	5,601	15,035
Fertilizer mixing	<1	108	223	709
Pesticide and other agricultural chemical manufacturing	<1	774	2,489	7,789
Medicinal and botanical manufacturing	<1	38	60	246
Pharmaceutical preparation manufacturing	<1	212	523	1,604
In-vitro diagnostic substance manufacturing	<1	7	10	25
Biological product (except diagnostic) manufacturing	<1	5	15	33
Paint and coating manufacturing	<1	360	679	3,227
Adhesive manufacturing	<1	507	797	3,417
Soap and other detergent manufacturing	<1	677	1,784	6,172
Polish and other sanitation good manufacturing	<1	37	59	168
Surface active agent manufacturing	<1	102	405	1,129
Toilet preparation manufacturing	<1	41	112	328
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	7	8	42
Custom compounding of purchased resins	<1	18	28	137
Photographic film and chemical manufacturing	<1	3	6	31
Other miscellaneous chemical product manufacturing	<1	1,245	1,903	6,896
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	582	1,208	4,410
Unlaminated plastics profile shape manufacturing	<1	42	133	371
Plastics pipe and pipe fitting manufacturing	<1	1,338	5,462	17,161
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	53	114	327
Polystyrene foam product manufacturing	<1	110	250	691
Urethane and other foam product (except polystyrene) manufacturing	<1	19	42	123
Plastics bottle manufacturing	<1	232	452	1,779
Other plastics product manufacturing	<1	1,250	2,264	6,839
Tire manufacturing	<1	572	796	2,370

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	532	1,042	2,684
Other rubber product manufacturing	<1	134	193	599
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,290	2,233	3,873
Brick, tile, and other structural clay product manufacturing	<1	706	1,380	4,285
Flat glass manufacturing	<1	1,437	3,303	7,180
Other pressed and blown glass and glassware manufacturing	<1	28	51	112
Glass container manufacturing	<1	58	102	240
Glass product manufacturing made of purchased glass	<1	86	181	596
Cement manufacturing	<1	2,020	5,457	14,762
Ready-mix concrete manufacturing	<1	20,059	37,160	119,140
Concrete block and brick manufacturing	<1	3,885	7,993	21,779
Concrete pipe manufacturing	<1	6,402	12,120	33,239
Other concrete product manufacturing	<1	22,932	38,235	103,714
Lime manufacturing	<1	47	124	302
Gypsum product manufacturing	<1	1,749	6,095	14,239
Abrasive product manufacturing	<1	155	400	742
Cut stone and stone product manufacturing	<1	734	1,037	2,541
Ground or treated mineral and earth manufacturing	<1	1,344	3,849	7,696
Mineral wool manufacturing	<1	665	2,161	5,378
Miscellaneous nonmetallic mineral products manufacturing	<1	2,185	6,230	15,425
Iron and steel mills and ferroalloy manufacturing	<1	1,933	3,581	24,197
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,298	3,827	22,495
Rolled steel shape manufacturing	<1	144	343	2,121
Steel wire drawing	<1	62	97	602
Alumina refining and primary aluminum production	<1	253	345	2,188
Secondary smelting and alloying of aluminum	<1	13	20	243
Aluminum sheet, plate, and foil manufacturing	<1	72	123	884
Other aluminum rolling, drawing and extruding	<1	87	110	605
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	41	46	224
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	36	49	148
Nonferrous metal foundries	<1	19	23	69
Custom roll forming	<1	58	68	432
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	25	28	128
Nonferrous forging	<1	34	37	147
Cutlery, utensil, pot, and pan manufacturing	<1	16	22	105
Handtool manufacturing	<1	5	6	23
Prefabricated metal buildings and components manufacturing	<1	20,443	24,455	105,529
Fabricated structural metal manufacturing	<1	10,504	12,556	53,944
Plate work manufacturing	<1	876	923	3,087
Metal window and door manufacturing	<1	1,331	1,521	5,882
Sheet metal work manufacturing	<1	1,056	1,197	4,103
Ornamental and architectural metal work manufacturing	<1	2,812	3,043	10,164
Power boiler and heat exchanger manufacturing	<1	192	217	670
Metal tank (heavy gauge) manufacturing	<1	2,192	2,355	7,900
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	14	16	99
Hardware manufacturing	<1	16	19	93
Spring and wire product manufacturing	<1	261	294	1,113
Machine shops	<1	4,170	4,450	9,862
Turned product and screw, nut, and bolt manufacturing	<1	120	134	481
Metal heat treating	<1	927	1,031	2,553
Metal coating and nonprecious engraving	<1	1,532	1,896	6,174
Electroplating, anodizing, and coloring metal	<1	181	188	479
Valve and fittings, other than plumbing, manufacturing	<1	4,284	4,977	16,758
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	70	102	299
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	82	111	335
Fabricated pipe and pipe fitting manufacturing	<1	3,719	4,056	12,892
Other fabricated metal manufacturing	<1	2,649	2,960	10,476
Farm machinery and equipment manufacturing	<1	42	67	257
Lawn and garden equipment manufacturing	<1	7	10	45
Construction machinery manufacturing	<1	105	200	754
Mining machinery and equipment manufacturing	<1	16	22	67
Oil and gas field machinery and equipment manufacturing	<1	256	313	979
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	14	15	45
Sawmill, woodworking, and paper machinery	<1	3	5	14
Printing machinery and equipment manufacturing	<1	1	1	4
All other industrial machinery manufacturing	<1	6	7	22
Optical instrument and lens manufacturing	<1	5	8	24
Photographic and photocopying equipment manufacturing	<1	2	3	11
Other commercial service industry machinery manufacturing	<1	1,127	1,616	5,846
Air purification and ventilation equipment manufacturing	<1	94	113	308
Heating equipment (except warm air furnaces) manufacturing	<1	30	41	128
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	765	1,165	4,624
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	<1	4	5	11

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	3	3	10
Machine tool manufacturing	<1	23	27	89
Rolling mill and other metalworking machinery manufacturing	<1	8	10	25
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4	6	24
Mechanical power transmission equipment manufacturing	<1	2	2	8
Other engine equipment manufacturing	<1	32	65	331
Pump and pumping equipment manufacturing	<1	187	276	1,007
Air and gas compressor manufacturing	<1	60	76	245
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	4	4	10
Overhead cranes, hoists, and monorail systems manufacturing	<1	86	129	546
Industrial truck, trailer, and stacker manufacturing	<1	12	18	49
Power-driven handtool manufacturing	<1	5	10	35
Welding and soldering equipment manufacturing	<1	<1	2	6
Packaging machinery manufacturing	<1	2	2	7
Industrial process furnace and oven manufacturing	<1	2	3	7
Fluid power cylinder and actuator manufacturing	<1	25	34	84
Fluid power pump and motor manufacturing	<1	47	68	249
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	38	44	122
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	2	2	9
Telephone apparatus manufacturing	<1	2	3	11

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	6	9	37
Audio and video equipment manufacturing	<1	3	5	32
Printed circuit assembly (electronic assembly) manufacturing	<1	13	17	77
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	1	14
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	3	9
Electronic connector manufacturing	<1	17	20	62
Other electronic component manufacturing	<1	4	6	16
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	8	11	32
Automatic environmental control manufacturing	<1	9	11	25
Industrial process variable instruments manufacturing	<1	174	218	639
Totalizing fluid meter and counting device manufacturing	<1	21	33	101
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	1	1	8
Irradiation apparatus manufacturing	<1	0	<1	1
Watch, clock, and other measuring and controlling device manufacturing	<1	2	2	9
Blank magnetic and optical recording media manufacturing	<1	9	25	188
Software and other prerecorded and record reproducing	<1	11	14	54
Electric lamp bulb and part manufacturing	<1	11	10	36
Lighting fixture manufacturing	<1	595	432	2,104
Small electrical appliance manufacturing	<1	2	1	12



## Appendix

Household cooking appliance manufacturing	<1	<1	<1	11
Household refrigerator and home freezer manufacturing	<1	2	<1	13
Household laundry equipment manufacturing	<1	6	5	40
Other major household appliance manufacturing	<1	2	<1	10
Power, distribution, and specialty transformer manufacturing	<1	16	15	61
Motor and generator manufacturing	<1	72	63	385
Switchgear and switchboard apparatus manufacturing	<1	206	169	922
Relay and industrial control manufacturing	<1	36	33	129
Storage battery manufacturing	<1	8	7	37
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	22	20	132
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	21	16	91
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	5
Automobile manufacturing	<1	89	6	1,230
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	8
Motor vehicle body manufacturing	<1	12	11	59
Truck trailer manufacturing	<1	2	1	8
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	650	574	3,216
Motor vehicle gasoline engine and engine parts manufacturing	<1	14	10	123
Motor vehicle electrical and electronic equipment manufacturing	<1	182	195	1,053
Motor vehicle transmission and power train parts manufacturing	<1	59	43	385
Motor vehicle seating and interior trim manufacturing	<1	4	4	27
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	228	184	1,811

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	79	59	452
Aircraft manufacturing	<1	10	18	43
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	4	6	11
Guided missile and space vehicle manufacturing	<1	1	2	3
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	5	7	12
Railroad rolling stock manufacturing	<1	5	5	24
Ship building and repairing	<1	203	284	617
Boat building	<1	643	1,002	3,052
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	281	636	1,573
All other transportation equipment manufacturing	<1	441	994	3,426
Wood kitchen cabinet and countertop manufacturing	<1	1,296	1,542	4,991
Upholstered household furniture manufacturing	<1	23	25	74
Nonupholstered wood household furniture manufacturing	<1	44	48	173
Other household nonupholstered furniture manufacturing	<1	5	8	28
Institutional furniture manufacturing	<1	6	6	15
Wood office furniture manufacturing	<1	8	9	39
Custom architectural woodwork and millwork	<1	42	41	157
Office furniture, except wood, manufacturing	<1	12	17	87
Showcase, partition, shelving, and locker manufacturing	<1	5	6	28
Mattress manufacturing	<1	10	15	92
Blind and shade manufacturing	<1	6	6	29
Surgical and medical instrument manufacturing	<1	9	12	25
Surgical appliance and supplies manufacturing	<1	109	163	621

## Appendix

Dental equipment and supplies manufacturing	<1	<1	1	3
Ophthalmic goods manufacturing	<1	3	5	13
Dental laboratories	<1	66	71	158
Jewelry and silverware manufacturing	<1	900	1,199	3,543
Sporting and athletic goods manufacturing	<1	37	47	241
Doll, toy, and game manufacturing	<1	2	3	9
Office supplies (except paper) manufacturing	<1	4	5	33
Sign manufacturing	<1	356	322	960
Gasket, packing, and sealing device manufacturing	<1	270	286	747
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	<1	7	7	25
Broom, brush, and mop manufacturing	<1	2	2	14
Burial casket manufacturing	<1	24	32	125
All other miscellaneous manufacturing	<1	423	518	1,623
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,083	7,915	19,922
Wholesale - Professional and commercial equipment and supplies	<1	14,315	20,834	38,813
Wholesale - Household appliances and electrical and electronic goods	<1	14,900	31,652	77,225
Wholesale - Machinery, equipment, and supplies	<1	42,661	71,593	137,338
Wholesale - Other durable goods merchant wholesalers	<1	84,659	139,009	302,723
Wholesale - Drugs and druggists'sundries	<1	10,769	22,647	52,053
Wholesale - Grocery and related product wholesalers	<1	14,945	20,948	45,470
Wholesale - Petroleum and petroleum products	<1	6,205	60,226	77,589
Wholesale - Other nondurable goods merchant wholesalers	<1	23,993	46,530	94,085
Wholesale - Wholesale electronic markets and agents and brokers	<1	29,595	32,763	38,582
Retail - Motor vehicle and parts dealers	<1	17,401	28,178	39,343
Retail - Furniture and home furnishings stores	<1	7,623	12,003	20,495

## Appendix

Retail - Electronics and appliance stores	<1	8,994	9,060	16,155
Retail - Building material and garden equipment and supplies stores	1	65,777	147,672	206,508
Retail - Food and beverage stores	<1	26,968	41,652	68,767
Retail - Health and personal care stores	<1	17,675	23,456	35,418
Retail - Gasoline stores	<1	9,918	24,673	45,246
Retail - Clothing and clothing accessories stores	<1	9,882	21,128	45,834
Retail - Sporting goods, hobby, musical instrument and book stores	<1	6,130	9,763	17,182
Retail - General merchandise stores	<1	24,563	46,039	74,883
Retail - Miscellaneous store retailers	<1	15,735	18,790	32,024
Retail - Nonstore retailers	<1	11,063	73,858	125,321
Air transportation	<1	5,974	16,430	33,536
Rail transportation	<1	6,452	16,668	32,008
Water transportation	<1	2,430	3,865	18,909
Truck transportation	<1	53,366	80,752	188,052
Transit and ground passenger transportation	<1	4,826	5,061	11,049
Pipeline transportation	<1	6,374	10,247	20,679
Scenic and sightseeing transportation and support activities for transportation	<1	26,019	27,152	38,529
Couriers and messengers	<1	11,353	36,490	41,644
Warehousing and storage	<1	20,869	21,896	36,447
Newspaper publishers	<1	1,398	1,772	3,227
Periodical publishers	<1	432	499	1,278
Book publishers	<1	187	316	871
Directory, mailing list, and other publishers	<1	429	684	1,601
Greeting card publishing	<1	23	47	111
Software publishers	<1	5,754	8,041	14,675
Motion picture and video industries	<1	7,736	13,803	29,987
Sound recording industries	<1	145	1,167	2,603
Radio and television broadcasting	<1	7,902	14,802	46,873
Cable and other subscription programming	<1	945	8,547	22,217
Wired telecommunications carriers	<1	11,034	30,517	56,635

## Appendix

Wireless telecommunications carriers (except satellite)	<1	604	6,165	14,783
Satellite, telecommunications resellers, and all other telecommunications	<1	1,966	3,186	8,626
Data processing, hosting, and related services	<1	9,857	18,380	69,274
News syndicates, libraries, archives and all other information services	<1	544	773	2,275
Internet publishing and broadcasting and web search portals	<1	2,304	5,338	32,336
Nondepository credit intermediation and related activities	<1	16,583	17,657	31,325
Securities and commodity contracts intermediation and brokerage	<1	16,261	15,757	51,170
Monetary authorities and depository credit intermediation	<1	55,338	124,476	220,782
Other financial investment activities	<1	6,945	8,501	38,833
Direct life insurance carriers	<1	1,690	7,029	10,238
Insurance carriers, except direct life	<1	13,714	88,514	147,740
Insurance agencies, brokerages, and related activities	<1	19,965	45,230	99,430
Funds, trusts, and other financial vehicles	<1	4,784	7,341	43,223
Other real estate	2	47,933	145,888	408,190
Tenant-occupied housing	<1	7,042	68,295	76,217
Owner-occupied dwellings	0	0	367,994	446,519
Automotive equipment rental and leasing	<1	5,687	19,781	25,032
General and consumer goods rental except video tapes and discs	<1	6,365	10,952	15,198
Video tape and disc rental	<1	1,501	2,609	4,278
Commercial and industrial machinery and equipment rental and leasing	<1	36,136	111,513	133,353
Lessors of nonfinancial intangible assets	<1	453	9,611	10,751
Legal services	<1	83,051	119,454	182,002
Accounting, tax preparation, bookkeeping, and payroll services	<1	33,835	34,570	63,903
Architectural, engineering, and related services	<1	81,410	82,746	158,489
Specialized design services	<1	1,620	1,836	4,662

Appendix

Custom computer programming services	<1	6,220	6,173	9,903
Computer systems design services	<1	6,669	5,515	7,866
Other computer related services, including facilities management	<1	7,028	7,984	18,670
Management consulting services	<1	25,917	26,210	47,171
Environmental and other technical consulting services	<1	12,679	12,959	23,535
Scientific research and development services	5	375,838	502,086	1,070,882
Advertising, public relations, and related services	<1	20,246	22,334	63,081
Photographic services	<1	852	1,217	4,258
Veterinary services	<1	4,858	4,940	8,459
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	22,186	23,840	66,566
Management of companies and enterprises	<1	72,530	82,887	155,547
Office administrative services	<1	22,025	10,168	31,097
Facilities support services	<1	13,435	18,222	55,084
Employment services	2	77,464	107,663	199,647
Business support services	<1	12,651	11,279	25,207
Travel arrangement and reservation services	<1	993	1,616	6,978
Investigation and security services	<1	12,872	13,093	21,999
Services to buildings	<1	14,647	20,702	49,969
Landscape and horticultural services	<1	7,158	8,888	19,383
Other support services	<1	6,369	8,127	19,281
Waste management and remediation services	<1	16,255	24,818	54,375
Elementary and secondary schools	<1	14,999	12,885	15,662
Junior colleges, colleges, universities, and professional schools	1	59,476	77,370	107,832
Other educational services	<1	5,917	6,564	14,082
Offices of physicians	1	112,816	113,030	172,541
Offices of dentists	<1	17,955	20,430	29,245
Offices of other health practitioners	<1	19,326	26,426	35,108
Outpatient care centers	<1	21,376	20,981	34,325
Medical and diagnostic laboratories	<1	5,911	8,521	13,291
Home health care services	<1	26,241	25,954	34,622

## Appendix

Other ambulatory health care services	<1	8,044	9,057	14,301
Hospitals	2	153,850	174,186	334,499
Nursing and community care facilities	<1	17,850	18,368	31,447
Residential mental retardation, mental health, substance abuse and other facilities	<1	7,829	7,953	12,227
Individual and family services	<1	23,664	20,966	32,033
Child day care services	<1	8,509	12,392	17,407
Community food, housing, and other relief services, including rehabilitation services	<1	4,728	4,522	11,267
Performing arts companies	<1	921	2,189	3,646
Commercial Sports Except Racing	<1	8,623	8,215	12,182
Racing and Track Operation	<1	412	1,125	1,809
Independent artists, writers, and performers	<1	1,739	8,287	10,247
Promoters of performing arts and sports and agents for public figures	<1	1,657	7,063	12,741
Museums, historical sites, zoos, and parks	<1	1,031	1,423	2,513
Amusement parks and arcades	<1	189	516	648
Gambling industries (except casino hotels)	<1	5,805	16,229	23,387
Other amusement and recreation industries	<1	2,571	2,438	3,980
Fitness and recreational sports centers	<1	1,702	2,559	4,255
Bowling centers	<1	326	544	854
Hotels and motels, including casino hotels	<1	4,080	8,630	13,198
Other accommodations	<1	1,037	1,316	1,763
Full-service restaurants	2	48,973	69,521	144,795
Limited-service restaurants	2	37,246	57,830	148,187
All other food and drinking places	<1	27,925	39,968	67,303
Automotive repair and maintenance, except car washes	<1	30,891	42,611	61,797
Car washes	<1	15,558	25,200	37,280
Electronic and precision equipment repair and maintenance	<1	5,659	7,663	13,835
Commercial and industrial machinery and equipment repair and maintenance	<1	22,799	25,373	43,172
Personal and household goods repair and maintenance	<1	2,974	8,246	11,231

Appendix

Personal care services	<1	6,138	6,053	7,341
Death care services	<1	3,202	3,286	4,611
Dry-cleaning and laundry services	<1	3,914	3,901	5,024
Other personal services	<1	5,446	7,961	11,883
Religious organizations	<1	7,338	6,374	17,723
Grantmaking, giving, and social advocacy organizations	<1	3,390	21,725	28,023
Business and professional associations	<1	4,046	11,016	17,928
Labor and civic organizations	<1	2,206	13,380	19,401
Private households	<1	4,655	4,655	4,673
Postal service	<1	13,446	13,501	13,596
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	575	452	2,086
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,892	4,671	7,413
Local government passenger transit	<1	4,147	140	1,591
Local government electric utilities	<1	504	1,389	4,445
Other local government enterprises	<1	17,567	37,892	98,869
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	480,912	730,889	1,337,509

## Maine

## NASA

Table 682: Detailed NASA Impacts by Types of Impact, Maine

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	178	12,902,272	20,806,734	39,976,581
Oilseed farming	<1	9	12	96
Grain farming	<1	1,245	6,178	11,120
Vegetable and melon farming	<1	3,968	13,559	18,534
Fruit farming	<1	2,757	9,163	9,894
Tree nut farming	<1	<1	<1	2
Greenhouse, nursery, and floriculture production	<1	1,013	2,939	4,088
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,898	5,062	7,460
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	293	2,092	3,297
Dairy cattle and milk production	<1	916	3,894	12,715
Poultry and egg production	<1	983	3,293	21,654
Animal production, except cattle and poultry and eggs	<1	10,605	50,638	57,389
Forestry, forest products, and timber tract production	<1	368	394	620
Commercial logging	<1	4,551	4,670	9,254
Commercial fishing	<1	5,059	5,121	5,169
Commercial hunting and trapping	<1	1,926	1,536	2,055
Support activities for agriculture and forestry	<1	11,580	11,702	13,411
Oil and gas extraction	<1	216	251	21,927
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	75	228	1,040
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,494	2,934	9,077
Sand and gravel mining	<1	235	327	943

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	50	71	266
Phosphate rock mining	<1	13	20	81
Other chemical and fertilizer mineral mining	<1	7	10	38
Other nonmetallic minerals	<1	862	1,321	4,926
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	2	2	196
Other nonmetallic minerals services	<1	<1	<1	14
Electric power generation - Hydroelectric	<1	3,970	14,201	27,884
Electric power generation - Fossil fuel	<1	3,956	21,525	44,810
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	1,172	3,301	4,982
Electric power generation - Wind	<1	1,564	20,890	33,693
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,357	15,493	40,866
Electric power generation - All other	<1	259	83	188
Electric power transmission and distribution	<1	37,608	198,162	413,966
Natural gas distribution	<1	3,998	21,468	42,998
Water, sewage and other systems	<1	952	2,729	4,595
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	45,400	51,550	172,048
Maintenance and repair construction of residential structures	<1	16,029	19,953	57,412
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	31	35	118
Dog and cat food manufacturing	<1	6	20	92
Other animal food manufacturing	<1	788	1,686	15,109
Flour milling	<1	110	288	2,623
Rice milling	0	0	0	0
Malt manufacturing	<1	20	42	357
Wet corn milling	<1	1,548	4,373	33,890
Soybean and other oilseed processing	<1	21	182	1,948
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	107	171	970
Chocolate and confectionery manufacturing from cacao beans	<1	33	55	259
Confectionery manufacturing from purchased chocolate	<1	145	246	1,718
Frozen fruits, juices and vegetables manufacturing	<1	2,070	5,305	19,759
Frozen specialties manufacturing	<1	140	213	880
Canned fruits and vegetables manufacturing	<1	592	1,362	4,651
Canned specialties	<1	57	162	756
Dehydrated food products manufacturing	<1	7	15	65
Cheese manufacturing	<1	12	19	255
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,704	3,185	15,807
Creamery butter manufacturing	<1	179	805	5,551
Ice cream and frozen dessert manufacturing	<1	148	240	1,231

## Appendix

Frozen cakes and other pastries manufacturing	<1	927	1,384	2,620
Poultry processing	<1	3,356	4,490	18,856
Animal, except poultry, slaughtering	<1	457	621	7,100
Meat processed from carcasses	<1	318	370	2,300
Rendering and meat byproduct processing	<1	27	37	199
Seafood product preparation and packaging	<1	1,326	2,097	10,828
Bread and bakery product, except frozen, manufacturing	<1	3,684	5,775	14,073
Cookie and cracker manufacturing	<1	131	215	1,139
Dry pasta, mixes, and dough manufacturing	<1	192	552	2,198
Tortilla manufacturing	<1	29	44	254
Roasted nuts and peanut butter manufacturing	<1	134	161	961
Other snack food manufacturing	<1	117	167	961
Coffee and tea manufacturing	<1	103	230	1,371
Flavoring syrup and concentrate manufacturing	<1	14	146	371
Mayonnaise, dressing, and sauce manufacturing	<1	29	68	361
Spice and extract manufacturing	<1	15	30	214
All other food manufacturing	<1	493	783	3,128
Bottled and canned soft drinks & water	<1	4,320	9,116	32,848
Manufactured ice	<1	227	182	674
Breweries	<1	2,657	6,527	16,976
Wineries	<1	334	719	2,569
Distilleries	<1	968	5,375	11,553
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	604	756	4,012
Broadwoven fabric mills	<1	2,280	2,882	13,827
Narrow fabric mills and schiffli machine embroidery	<1	22	25	79
Nonwoven fabric mills	<1	240	300	1,370
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	10,084	11,773	54,404
Fabric coating mills	<1	71	81	344
Carpet and rug mills	<1	897	1,185	4,472
Curtain and linen mills	<1	25	29	104
Textile bag and canvas mills	<1	365	417	1,338
Rope, cordage, twine, tire cord and tire fabric mills	<1	561	678	2,128

## Appendix

Other textile product mills	<1	152	169	544
Hosiery and sock mills	<1	10	10	30
Other apparel knitting mills	<1	9	10	31
Cut and sew apparel contractors	<1	4	5	11
Men's and boys' cut and sew apparel manufacturing	<1	21	24	80
Women's and girls' cut and sew apparel manufacturing	<1	22	25	150
Other cut and sew apparel manufacturing	<1	13	15	59
Apparel accessories and other apparel manufacturing	<1	15	16	56
Leather and hide tanning and finishing	<1	4	5	24
Footwear manufacturing	<1	344	365	1,013
Other leather and allied product manufacturing	<1	32	34	99
Sawmills	<1	6,816	11,171	43,828
Wood preservation	<1	211	510	2,195
Veneer and plywood manufacturing	<1	207	311	1,042
Engineered wood member and truss manufacturing	<1	406	615	1,969
Reconstituted wood product manufacturing	<1	560	1,466	5,771
Wood windows and door manufacturing	<1	1,599	2,042	5,949
Cut stock, resawing lumber, and planing	<1	218	392	1,225
Other millwork, including flooring	<1	403	601	2,054
Wood container and pallet manufacturing	<1	1,580	2,033	5,858
Manufactured home (mobile home) manufacturing	<1	<1	1	4
Prefabricated wood building manufacturing	<1	336	527	1,819
All other miscellaneous wood product manufacturing	<1	1,181	1,540	5,390
Pulp mills	<1	184	222	919
Paper mills	<1	11,291	17,348	68,703
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	2,078	2,723	13,397
Paper bag and coated and treated paper manufacturing	<1	324	417	1,625
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	<1	3,758	7,253	30,010
All other converted paper product manufacturing	<1	848	1,156	4,262
Printing	<1	13,905	20,731	41,931
Support activities for printing	<1	34	50	81
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	987	1,742	5,315
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	4,791	11,485	43,911
Synthetic dye and pigment manufacturing	<1	683	1,145	4,587
Other basic inorganic chemical manufacturing	<1	58	107	436
Other basic organic chemical manufacturing	<1	133	300	2,669
Plastics material and resin manufacturing	<1	128	229	1,684
Synthetic rubber manufacturing	<1	29	45	238
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	153	505	3,547
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	75	127	582
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	404	502	1,499
Pharmaceutical preparation manufacturing	<1	1,358	2,767	7,552
In-vitro diagnostic substance manufacturing	<1	1,175	1,464	4,143
Biological product (except diagnostic) manufacturing	<1	105	229	816
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	141	291	1,199
Polish and other sanitation good manufacturing	<1	49	68	241

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	76	161	559
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	132	227	996
Photographic film and chemical manufacturing	<1	233	418	1,786
Other miscellaneous chemical product manufacturing	<1	11	18	131
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	617	1,065	3,070
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	66	209	698
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,329	2,402	7,072
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	376	707	2,951
Plastics bottle manufacturing	<1	54	91	407
Other plastics product manufacturing	<1	10,354	16,492	47,643
Tire manufacturing	<1	579	822	4,101
Rubber and plastics hoses and belting manufacturing	<1	117	199	601
Other rubber product manufacturing	<1	69	92	275
Pottery, ceramics, and plumbing fixture manufacturing	<1	94	119	429
Brick, tile, and other structural clay product manufacturing	<1	234	281	786
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	590	725	2,200
Cement manufacturing	<1	578	791	3,103
Ready-mix concrete manufacturing	<1	1,940	2,323	9,855
Concrete block and brick manufacturing	<1	506	617	1,940
Concrete pipe manufacturing	0	0	0	0



Appendix

Other concrete product manufacturing	<1	1,020	1,152	3,338
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,234	1,335	3,105
Ground or treated mineral and earth manufacturing	<1	218	289	920
Mineral wool manufacturing	<1	65	92	341
Miscellaneous nonmetallic mineral products manufacturing	<1	18	24	84
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	666	859	3,425
Secondary processing of other nonferrous metals	<1	35	77	385
Ferrous metal foundries	<1	570	916	3,054
Nonferrous metal foundries	<1	114	159	520
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	966	1,313	4,146
Iron and steel forging	<1	1,596	2,288	7,990
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	87	199	541
Handtool manufacturing	<1	364	621	1,706
Prefabricated metal buildings and components manufacturing	<1	160	254	860

## Appendix

Fabricated structural metal manufacturing	<1	7,538	12,037	43,536
Plate work manufacturing	<1	693	823	2,667
Metal window and door manufacturing	<1	232	340	990
Sheet metal work manufacturing	<1	385	550	1,637
Ornamental and architectural metal work manufacturing	<1	175	224	710
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	67	87	265
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	167	228	838
Hardware manufacturing	<1	299	469	1,632
Spring and wire product manufacturing	<1	3,934	5,550	24,219
Machine shops	<1	11,797	14,352	30,637
Turned product and screw, nut, and bolt manufacturing	<1	2,099	2,819	9,043
Metal heat treating	<1	156	212	542
Metal coating and nonprecious engraving	<1	1,346	2,480	7,283
Electroplating, anodizing, and coloring metal	<1	508	567	1,284
Valve and fittings, other than plumbing, manufacturing	<1	189	297	967
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	89	105	220
Small arms, ordnance, and accessories manufacturing	<1	450	1,031	2,977
Fabricated pipe and pipe fitting manufacturing	<1	673	883	2,730
Other fabricated metal manufacturing	<1	667	936	3,195
Farm machinery and equipment manufacturing	<1	8	18	63
Lawn and garden equipment manufacturing	<1	93	201	803
Construction machinery manufacturing	<1	59	181	491
Mining machinery and equipment manufacturing	0	0	0	0

Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	3
Sawmill, woodworking, and paper machinery	<1	17	21	59
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	6	8	27
Optical instrument and lens manufacturing	<1	2	3	8
Photographic and photocopying equipment manufacturing	<1	<1	<1	3
Other commercial service industry machinery manufacturing	<1	21	41	121
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	173	330	967
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	59	126	383
Industrial mold manufacturing	<1	8	10	23
Special tool, die, jig, and fixture manufacturing	<1	8	12	24
Cutting tool and machine tool accessory manufacturing	<1	251	318	705
Machine tool manufacturing	<1	23	33	101
Rolling mill and other metalworking machinery manufacturing	<1	361	556	1,221
Turbine and turbine generator set units manufacturing	<1	18	21	73
Speed changer, industrial high-speed drive, and gear manufacturing	<1	263	441	1,200
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

Appendix

Conveyor and conveying equipment manufacturing	2	217,616	246,277	718,237
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	10	32
Industrial truck, trailer, and stacker manufacturing	<1	11	24	74
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	5	7	15
Fluid power cylinder and actuator manufacturing	<1	113	186	437
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	18	25	75
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	7,040	10,179	25,426
Other communications equipment manufacturing	<1	<1	<1	3
Audio and video equipment manufacturing	<1	<1	<1	3
Printed circuit assembly (electronic assembly) manufacturing	<1	188	318	1,373
Bare printed circuit board manufacturing	<1	7	9	28
Semiconductor and related device manufacturing	<1	336	571	2,234
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	96	125	393
Electronic connector manufacturing	<1	114	162	556
Other electronic component manufacturing	<1	52	67	215

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	2	4	10
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	29	44	135
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	6	8	21
Irradiation apparatus manufacturing	<1	<1	<1	1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	4
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	<1	<1	2
Lighting fixture manufacturing	<1	<1	<1	5
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	2	1	19
Household refrigerator and home freezer manufacturing	<1	2	2	21
Household laundry equipment manufacturing	<1	7	8	66
Other major household appliance manufacturing	<1	1	1	10
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	39	42	169
Relay and industrial control manufacturing	<1	25	26	98
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

Appendix

Other communication and energy wire manufacturing	<1	33	35	245
Wiring device manufacturing	<1	47	51	224
Carbon and graphite product manufacturing	<1	2,387	2,639	11,733
All other miscellaneous electrical equipment and component manufacturing	<1	10	11	36
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	11	14	64
Truck trailer manufacturing	<1	6	8	36
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,675	4,406	19,210
Motor vehicle gasoline engine and engine parts manufacturing	<1	78	118	668
Motor vehicle electrical and electronic equipment manufacturing	<1	56	107	406
Motor vehicle transmission and power train parts manufacturing	<1	2,221	3,118	16,136
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	395	533	2,890
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4,477	6,383	31,091
Aircraft manufacturing	<1	1,730	3,818	9,023
Aircraft engine and engine parts manufacturing	<1	6,501	19,531	43,500
Other aircraft parts and auxiliary equipment manufacturing	21	1,912,519	2,969,473	6,218,872
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	357	598	1,142
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	3,235	5,458	10,821
Boat building	<1	2,147	3,740	11,266
Motorcycle, bicycle, and parts manufacturing	<1	10	45	92

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	62	169	633
Wood kitchen cabinet and countertop manufacturing	<1	283	317	901
Upholstered household furniture manufacturing	<1	168	181	621
Nonupholstered wood household furniture manufacturing	<1	204	219	688
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	40	42	125
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	63	33	157
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	81	92	369
Mattress manufacturing	<1	15	20	103
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	22	27	64
Surgical appliance and supplies manufacturing	<1	673	933	3,011
Dental equipment and supplies manufacturing	<1	0	<1	<1
Ophthalmic goods manufacturing	<1	1	2	4
Dental laboratories	<1	40	42	79
Jewelry and silverware manufacturing	<1	111	169	516
Sporting and athletic goods manufacturing	<1	44	54	248
Doll, toy, and game manufacturing	<1	92	119	826
Office supplies (except paper) manufacturing	<1	29	37	259
Sign manufacturing	<1	1,039	965	2,429
Gasket, packing, and sealing device manufacturing	<1	190	202	499
Musical instrument manufacturing	<1	190	198	529
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	<1	135	148	460
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	558	680	2,304
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	13,501	27,691	75,116
Wholesale - Professional and commercial equipment and supplies	<1	38,478	55,858	101,224
Wholesale - Household appliances and electrical and electronic goods	<1	16,919	37,346	88,337
Wholesale - Machinery, equipment, and supplies	<1	76,723	135,312	276,588
Wholesale - Other durable goods merchant wholesalers	<1	53,214	90,207	205,074
Wholesale - Drugs and druggistsâ€™ sundries	<1	28,534	62,664	161,777
Wholesale - Grocery and related product wholesalers	<1	31,630	45,542	100,992
Wholesale - Petroleum and petroleum products	<1	14,327	186,315	237,640
Wholesale - Other nondurable goods merchant wholesalers	<1	39,985	82,713	181,061
Wholesale - Wholesale electronic markets and agents and brokers	<1	24,124	26,923	31,930
Retail - Motor vehicle and parts dealers	<1	44,520	64,562	91,968
Retail - Furniture and home furnishings stores	<1	16,030	23,078	38,972
Retail - Electronics and appliance stores	<1	16,878	16,189	28,081
Retail - Building material and garden equipment and supplies stores	<1	26,862	51,040	73,670
Retail - Food and beverage stores	2	70,033	98,676	163,162
Retail - Health and personal care stores	<1	31,851	40,558	60,258
Retail - Gasoline stores	1	34,839	85,860	178,505
Retail - Clothing and clothing accessories stores	<1	17,837	29,207	59,722
Retail - Sporting goods, hobby, musical instrument and book stores	<1	17,324	24,374	41,028
Retail - General merchandise stores	1	46,633	76,355	128,479
Retail - Miscellaneous store retailers	1	38,491	41,174	71,178
Retail - Nonstore retailers	1	44,663	212,848	327,278
Air transportation	2	187,528	604,423	1,107,485



## Appendix

Rail transportation	<1	96,329	198,011	422,847
Water transportation	<1	17,681	33,025	257,386
Truck transportation	10	760,425	1,173,307	2,363,855
Transit and ground passenger transportation	<1	13,899	23,015	31,699
Pipeline transportation	<1	136,374	198,264	323,517
Scenic and sightseeing transportation and support activities for transportation	2	121,839	108,565	188,281
Couriers and messengers	2	63,922	115,748	137,664
Warehousing and storage	<1	51,909	56,373	98,713
Newspaper publishers	<1	9,297	12,938	22,774
Periodical publishers	<1	4,710	5,806	12,049
Book publishers	<1	3,457	6,619	19,282
Directory, mailing list, and other publishers	<1	452	829	2,028
Greeting card publishing	<1	553	1,300	2,905
Software publishers	<1	30,183	45,636	74,048
Motion picture and video industries	<1	8,932	16,284	41,326
Sound recording industries	<1	762	5,793	10,997
Radio and television broadcasting	<1	20,080	23,803	110,369
Cable and other subscription programming	<1	1,675	5,507	35,444
Wired telecommunications carriers	<1	28,224	39,149	97,701
Wireless telecommunications carriers (except satellite)	<1	7,584	27,336	135,451
Satellite, telecommunications resellers, and all other telecommunications	<1	1,638	1,700	5,203
Data processing, hosting, and related services	<1	29,025	47,499	166,241
News syndicates, libraries, archives and all other information services	<1	2,802	4,305	21,467
Internet publishing and broadcasting and web search portals	<1	6,192	15,847	113,482
Nondepository credit intermediation and related activities	<1	70,080	75,999	114,914
Securities and commodity contracts intermediation and brokerage	<1	60,114	43,743	103,854
Monetary authorities and depository credit intermediation	2	167,487	563,587	860,932

## Appendix

Other financial investment activities	<1	49,206	57,570	157,912
Direct life insurance carriers	<1	28,169	65,467	87,520
Insurance carriers, except direct life	<1	61,597	236,389	417,014
Insurance agencies, brokerages, and related activities	<1	72,991	130,545	266,854
Funds, trusts, and other financial vehicles	<1	11,959	12,907	64,359
Other real estate	7	185,034	639,086	1,498,322
Tenant-occupied housing	<1	11,975	149,641	160,868
Owner-occupied dwellings	0	0	1,026,587	1,238,921
Automotive equipment rental and leasing	<1	10,936	63,111	78,108
General and consumer goods rental except video tapes and discs	<1	12,845	28,397	43,043
Video tape and disc rental	<1	3,263	5,640	9,727
Commercial and industrial machinery and equipment rental and leasing	<1	23,539	92,955	117,693
Lessors of nonfinancial intangible assets	<1	1,053	5,052	6,977
Legal services	2	164,120	262,292	391,282
Accounting, tax preparation, bookkeeping, and payroll services	<1	70,366	98,830	156,497
Architectural, engineering, and related services	1	83,620	95,489	178,094
Specialized design services	<1	8,325	16,604	29,253
Custom computer programming services	<1	83,670	85,957	123,736
Computer systems design services	<1	74,738	66,406	89,339
Other computer related services, including facilities management	<1	14,656	17,321	37,658
Management consulting services	2	210,046	218,692	355,736
Environmental and other technical consulting services	<1	28,034	32,455	54,712
Scientific research and development services	29	2,351,544	2,995,377	6,576,133
Advertising, public relations, and related services	<1	36,042	68,155	151,093
Photographic services	<1	1,478	4,341	8,546
Veterinary services	<1	17,588	20,721	31,162
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	26,475	52,897	113,590
Management of companies and enterprises	4	511,752	584,618	964,195

## Appendix

Office administrative services	<1	28,130	8,822	29,613
Facilities support services	<1	3,910	5,071	15,359
Employment services	5	302,078	395,732	640,278
Business support services	1	65,278	54,845	96,646
Travel arrangement and reservation services	<1	12,865	19,162	73,543
Investigation and security services	<1	25,799	26,161	37,026
Services to buildings	<1	32,758	43,987	98,862
Landscape and horticultural services	<1	32,998	39,144	76,698
Other support services	<1	26,670	32,854	72,877
Waste management and remediation services	<1	22,237	35,121	74,645
Elementary and secondary schools	<1	43,964	36,382	44,018
Junior colleges, colleges, universities, and professional schools	5	264,513	338,680	466,574
Other educational services	<1	20,458	23,416	44,120
Offices of physicians	2	228,736	231,045	334,118
Offices of dentists	<1	47,064	57,205	75,645
Offices of other health practitioners	<1	46,631	72,964	91,762
Outpatient care centers	<1	49,223	48,832	81,927
Medical and diagnostic laboratories	<1	13,866	23,283	33,663
Home health care services	<1	44,961	44,937	57,013
Other ambulatory health care services	<1	13,152	15,800	25,474
Hospitals	5	440,335	540,802	971,082
Nursing and community care facilities	1	58,070	65,311	100,340
Residential mental retardation, mental health, substance abuse and other facilities	<1	37,421	39,173	54,571
Individual and family services	3	125,619	108,934	144,614
Child day care services	<1	34,620	49,842	65,349
Community food, housing, and other relief services, including rehabilitation services	<1	15,010	14,030	28,839
Performing arts companies	<1	11,053	18,567	39,054
Commercial Sports Except Racing	<1	6,163	7,187	11,868
Racing and Track Operation	<1	1,678	2,514	4,923
Independent artists, writers, and performers	<1	12,405	31,358	54,858

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	10,544	24,158	67,614
Museums, historical sites, zoos, and parks	<1	4,789	6,048	10,198
Amusement parks and arcades	<1	598	2,457	2,736
Gambling industries (except casino hotels)	<1	11,210	36,064	49,056
Other amusement and recreation industries	<1	17,879	23,460	31,175
Fitness and recreational sports centers	<1	4,327	6,972	10,481
Bowling centers	<1	1,855	3,181	4,758
Hotels and motels, including casino hotels	<1	4,643	11,866	16,775
Other accommodations	<1	2,175	2,630	3,606
Full-service restaurants	3	124,079	195,085	341,928
Limited-service restaurants	2	65,935	112,534	236,927
All other food and drinking places	3	93,877	152,069	233,330
Automotive repair and maintenance, except car washes	2	121,676	135,851	200,228
Car washes	<1	38,923	58,148	84,429
Electronic and precision equipment repair and maintenance	<1	20,997	26,251	44,073
Commercial and industrial machinery and equipment repair and maintenance	<1	33,492	33,800	54,899
Personal and household goods repair and maintenance	<1	9,699	18,572	26,459
Personal care services	<1	25,017	15,799	19,477
Death care services	<1	7,179	5,128	7,234
Dry-cleaning and laundry services	<1	14,204	9,337	12,155
Other personal services	<1	16,623	20,793	29,714
Religious organizations	<1	8,445	3,978	12,686
Grantmaking, giving, and social advocacy organizations	<1	27,853	78,923	120,552
Business and professional associations	<1	9,791	15,395	29,496
Labor and civic organizations	<1	15,962	43,837	84,554
Private households	<1	9,849	9,849	9,849
Postal service	<1	62,891	63,096	63,120
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,113	881	3,199
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	39,389	54,910	83,229
Local government passenger transit	<1	8,241	808	5,012
Local government electric utilities	<1	863	2,350	5,551
Other local government enterprises	<1	51,082	90,979	242,488
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	672,343	978,285	1,772,393

## Moon to Mars Campaign

**Table 683: Detailed M2M Campaign Impacts by Types of Impact, Maine**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>31</i>	<i>2,509,879</i>	<i>3,955,973</i>	<i>7,576,462</i>
Oilseed farming	<1	3	4	26
Grain farming	<1	168	1,128	1,509
Vegetable and melon farming	<1	749	2,710	3,570
Fruit farming	<1	604	2,045	2,149
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	164	505	673
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	289	817	1,169
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	26	210	272
Dairy cattle and milk production	<1	174	802	2,388
Poultry and egg production	<1	159	566	3,471
Animal production, except cattle and poultry and eggs	<1	1,115	6,091	6,557
Forestry, forest products, and timber tract production	<1	37	40	62
Commercial logging	<1	380	401	774
Commercial fishing	<1	2,158	925	926
Commercial hunting and trapping	<1	496	267	350
Support activities for agriculture and forestry	<1	1,259	1,276	1,461
Oil and gas extraction	<1	17	23	2,341
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	11	34	153
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	129	251	773
Sand and gravel mining	<1	31	43	122
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	8	11	42
Phosphate rock mining	<1	2	4	14
Other chemical and fertilizer mineral mining	<1	1	2	6
Other nonmetallic minerals	<1	426	658	2,457
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	<1	<1	45
Other nonmetallic minerals services	<1	<1	<1	4
Electric power generation - Hydroelectric	<1	1,007	3,507	6,765

## Appendix

Electric power generation - Fossil fuel	<1	924	4,597	9,591
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	257	722	1,090
Electric power generation - Wind	<1	249	3,303	5,294
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	766	3,527	9,525
Electric power generation - All other	<1	60	13	35
Electric power transmission and distribution	<1	7,273	36,598	76,337
Natural gas distribution	<1	610	3,193	6,245
Water, sewage and other systems	<1	168	468	774
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,388	5,120	16,666
Maintenance and repair construction of residential structures	<1	2,955	3,753	10,572
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	3	10
Dog and cat food manufacturing	<1	<1	4	16
Other animal food manufacturing	<1	114	252	2,209
Flour milling	<1	17	45	423

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	3	9	70
Wet corn milling	<1	210	635	4,505
Soybean and other oilseed processing	<1	4	33	346
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	21	33	185
Chocolate and confectionery manufacturing from cacao beans	<1	9	15	69
Confectionery manufacturing from purchased chocolate	<1	28	49	333
Frozen fruits, juices and vegetables manufacturing	<1	410	1,081	3,816
Frozen specialties manufacturing	<1	26	39	163
Canned fruits and vegetables manufacturing	<1	128	298	1,013
Canned specialties	<1	11	30	141
Dehydrated food products manufacturing	<1	2	4	15
Cheese manufacturing	<1	2	4	56
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	335	639	3,139
Creamery butter manufacturing	<1	35	155	1,075
Ice cream and frozen dessert manufacturing	<1	26	42	211
Frozen cakes and other pastries manufacturing	<1	175	262	491
Poultry processing	<1	527	720	3,036
Animal, except poultry, slaughtering	<1	70	96	1,102
Meat processed from carcasses	<1	60	71	438
Rendering and meat byproduct processing	<1	5	7	39
Seafood product preparation and packaging	<1	209	338	1,677
Bread and bakery product, except frozen, manufacturing	<1	684	1,078	2,620
Cookie and cracker manufacturing	<1	28	47	237
Dry pasta, mixes, and dough manufacturing	<1	37	105	435
Tortilla manufacturing	<1	5	8	46



## Appendix

Roasted nuts and peanut butter manufacturing	<1	27	33	192
Other snack food manufacturing	<1	22	31	177
Coffee and tea manufacturing	<1	16	36	216
Flavoring syrup and concentrate manufacturing	<1	2	24	60
Mayonnaise, dressing, and sauce manufacturing	<1	6	13	68
Spice and extract manufacturing	<1	3	7	46
All other food manufacturing	<1	100	160	644
Bottled and canned soft drinks & water	<1	740	1,579	5,703
Manufactured ice	<1	42	34	121
Breweries	<1	432	1,094	2,848
Wineries	<1	74	158	545
Distilleries	<1	158	936	1,947
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	11	16	76
Broadwoven fabric mills	<1	58	76	335
Narrow fabric mills and schiffli machine embroidery	<1	4	4	12
Nonwoven fabric mills	<1	53	69	292
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	1	7
Fabric coating mills	<1	17	19	79
Carpet and rug mills	<1	163	224	780
Curtain and linen mills	<1	5	6	21
Textile bag and canvas mills	<1	55	65	200
Rope, cordage, twine, tire cord and tire fabric mills	<1	40	52	153
Other textile product mills	<1	31	35	108
Hosiery and sock mills	<1	2	2	6
Other apparel knitting mills	<1	2	2	5
Cut and sew apparel contractors	<1	<1	<1	1
Men's and boys' cut and sew apparel manufacturing	<1	5	5	17
Women's and girls' cut and sew apparel manufacturing	<1	6	6	35
Other cut and sew apparel manufacturing	<1	3	3	11
Apparel accessories and other apparel manufacturing	<1	4	4	12
Leather and hide tanning and finishing	<1	1	1	4
Footwear manufacturing	<1	74	79	206
Other leather and allied product manufacturing	<1	7	7	21

## Appendix

Sawmills	<1	469	770	3,072
Wood preservation	<1	13	33	141
Veneer and plywood manufacturing	<1	31	46	157
Engineered wood member and truss manufacturing	<1	67	100	322
Reconstituted wood product manufacturing	<1	77	202	785
Wood windows and door manufacturing	<1	140	179	520
Cut stock, resawing lumber, and planing	<1	16	28	91
Other millwork, including flooring	<1	42	62	211
Wood container and pallet manufacturing	<1	234	302	867
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	44	69	236
All other miscellaneous wood product manufacturing	<1	205	262	876
Pulp mills	<1	26	30	129
Paper mills	<1	1,468	2,057	8,821
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	562	737	3,708
Paper bag and coated and treated paper manufacturing	<1	89	111	441
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	647	1,214	5,202
All other converted paper product manufacturing	<1	138	187	705
Printing	<1	1,964	2,987	5,878
Support activities for printing	<1	5	8	13
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	126	226	672
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,080	5,417	19,642

## Appendix

Synthetic dye and pigment manufacturing	<1	199	354	1,426
Other basic inorganic chemical manufacturing	<1	9	18	70
Other basic organic chemical manufacturing	<1	25	60	524
Plastics material and resin manufacturing	<1	58	111	787
Synthetic rubber manufacturing	<1	5	7	40
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	49	181	1,101
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	10	18	79
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	104	134	371
Pharmaceutical preparation manufacturing	<1	305	672	1,745
In-vitro diagnostic substance manufacturing	<1	376	466	1,321
Biological product (except diagnostic) manufacturing	<1	23	51	176
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	23	52	196
Polish and other sanitation good manufacturing	<1	7	11	37
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	16	36	120
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	40	78	314
Photographic film and chemical manufacturing	<1	18	35	140
Other miscellaneous chemical product manufacturing	<1	2	3	20
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	234	406	1,155
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	12	38	127

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	537	980	2,896
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	68	130	533
Plastics bottle manufacturing	<1	12	20	89
Other plastics product manufacturing	<1	4,177	6,818	19,124
Tire manufacturing	<1	66	98	479
Rubber and plastics hoses and belting manufacturing	<1	3	4	14
Other rubber product manufacturing	<1	11	15	47
Pottery, ceramics, and plumbing fixture manufacturing	<1	18	23	83
Brick, tile, and other structural clay product manufacturing	<1	26	30	85
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	61	74	225
Cement manufacturing	<1	59	79	315
Ready-mix concrete manufacturing	<1	192	226	966
Concrete block and brick manufacturing	<1	57	69	218
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	125	140	407
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	171	183	427
Ground or treated mineral and earth manufacturing	<1	40	51	169
Mineral wool manufacturing	<1	7	9	34
Miscellaneous nonmetallic mineral products manufacturing	<1	2	3	9
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0

## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	99	127	508
Secondary processing of other nonferrous metals	<1	12	24	126
Ferrous metal foundries	<1	369	659	2,154
Nonferrous metal foundries	<1	50	71	230
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	375	509	1,593
Iron and steel forging	<1	646	929	3,234
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	29	64	171
Handtool manufacturing	<1	117	201	546
Prefabricated metal buildings and components manufacturing	<1	28	44	151
Fabricated structural metal manufacturing	<1	3,312	5,255	19,115
Plate work manufacturing	<1	166	197	636
Metal window and door manufacturing	<1	47	69	197
Sheet metal work manufacturing	<1	49	69	202
Ornamental and architectural metal work manufacturing	<1	41	52	164
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	42	54	159
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	51	70	257
Hardware manufacturing	<1	141	218	758
Spring and wire product manufacturing	<1	2,060	2,901	12,696

## Appendix

Machine shops	<1	3,402	4,126	8,768
Turned product and screw, nut, and bolt manufacturing	<1	1,085	1,455	4,672
Metal heat treating	<1	35	48	123
Metal coating and nonprecious engraving	<1	479	885	2,582
Electroplating, anodizing, and coloring metal	<1	124	138	313
Valve and fittings, other than plumbing, manufacturing	<1	97	152	499
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	36	42	87
Small arms, ordnance, and accessories manufacturing	<1	129	311	870
Fabricated pipe and pipe fitting manufacturing	<1	378	488	1,537
Other fabricated metal manufacturing	<1	151	211	712
Farm machinery and equipment manufacturing	<1	<1	1	3
Lawn and garden equipment manufacturing	<1	8	18	69
Construction machinery manufacturing	<1	5	17	44
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	0	<1	<1
Sawmill, woodworking, and paper machinery	<1	1	3	6
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	2	2	8
Optical instrument and lens manufacturing	<1	0	0	<1
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	4	8	23

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	24	46	129
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	9	18	54
Industrial mold manufacturing	<1	2	2	5
Special tool, die, jig, and fixture manufacturing	<1	4	6	11
Cutting tool and machine tool accessory manufacturing	<1	66	84	186
Machine tool manufacturing	<1	10	14	43
Rolling mill and other metalworking machinery manufacturing	<1	161	250	537
Turbine and turbine generator set units manufacturing	<1	6	7	22
Speed changer, industrial high-speed drive, and gear manufacturing	<1	36	60	157
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	0	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	5	6	18
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	3	8
Industrial truck, trailer, and stacker manufacturing	<1	2	5	16
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	<1	1	4
Fluid power cylinder and actuator manufacturing	<1	41	66	157
Fluid power pump and motor manufacturing	0	0	0	0

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7	10	31
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	3	4	14
Other communications equipment manufacturing	<1	0	0	<1
Audio and video equipment manufacturing	<1	0	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	40	67	293
Bare printed circuit board manufacturing	<1	2	3	9
Semiconductor and related device manufacturing	<1	63	104	433
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	12	16	50
Electronic connector manufacturing	<1	47	67	231
Other electronic component manufacturing	<1	5	7	22
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	3
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	11	17	53
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	1	3
Irradiation apparatus manufacturing	<1	0	0	<1



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	0	0	<1
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	0	0	3
Household refrigerator and home freezer manufacturing	<1	0	0	4
Household laundry equipment manufacturing	<1	<1	<1	11
Other major household appliance manufacturing	<1	0	0	<1
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	15	16	62
Relay and industrial control manufacturing	<1	2	2	9
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	18	20	134
Wiring device manufacturing	<1	8	9	40
Carbon and graphite product manufacturing	<1	1,156	1,264	5,661
All other miscellaneous electrical equipment and component manufacturing	<1	<1	1	4
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2	3	12
Truck trailer manufacturing	<1	1	1	7
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	547	650	2,854

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	10	15	85
Motor vehicle electrical and electronic equipment manufacturing	<1	6	12	44
Motor vehicle transmission and power train parts manufacturing	<1	314	430	2,170
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	74	98	535
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	419	606	2,953
Aircraft manufacturing	<1	927	2,041	4,847
Aircraft engine and engine parts manufacturing	<1	3,743	11,352	25,377
Other aircraft parts and auxiliary equipment manufacturing	13	1,196,459	1,836,848	3,812,614
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	180	304	577
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	85	127	272
Boat building	<1	335	574	1,742
Motorcycle, bicycle, and parts manufacturing	<1	2	7	15
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	9	23	90
Wood kitchen cabinet and countertop manufacturing	<1	40	44	126
Upholstered household furniture manufacturing	<1	38	41	141
Nonupholstered wood household furniture manufacturing	<1	41	44	134
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	5	5	16
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	8	4	19
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	16	17	69
Mattress manufacturing	<1	4	5	26
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	4	5	12
Surgical appliance and supplies manufacturing	<1	179	249	784
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	9	9	17
Jewelry and silverware manufacturing	<1	21	33	99
Sporting and athletic goods manufacturing	<1	9	11	48
Doll, toy, and game manufacturing	<1	17	23	151
Office supplies (except paper) manufacturing	<1	5	6	42
Sign manufacturing	<1	129	121	300
Gasket, packing, and sealing device manufacturing	<1	18	19	45
Musical instrument manufacturing	<1	51	54	142
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	35	41	119
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	109	132	443
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,012	4,149	11,275
Wholesale - Professional and commercial equipment and supplies	<1	7,385	10,772	19,401
Wholesale - Household appliances and electrical and electronic goods	<1	3,726	8,237	19,493
Wholesale - Machinery, equipment, and supplies	<1	28,525	50,234	102,702
Wholesale - Other durable goods merchant wholesalers	<1	15,830	26,698	60,731

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	5,388	11,817	30,167
Wholesale - Grocery and related product wholesalers	<1	5,663	8,127	18,016
Wholesale - Petroleum and petroleum products	<1	917	15,821	19,441
Wholesale - Other nondurable goods merchant wholesalers	<1	7,354	15,764	33,873
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,388	4,879	5,782
Retail - Motor vehicle and parts dealers	<1	7,764	11,293	16,010
Retail - Furniture and home furnishings stores	<1	2,984	4,311	7,235
Retail - Electronics and appliance stores	<1	3,162	3,054	5,203
Retail - Building material and garden equipment and supplies stores	<1	4,408	8,411	12,090
Retail - Food and beverage stores	<1	13,330	18,798	30,889
Retail - Health and personal care stores	<1	6,031	7,702	11,340
Retail - Gasoline stores	<1	3,600	8,395	16,475
Retail - Clothing and clothing accessories stores	<1	3,421	5,580	11,226
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,256	4,577	7,622
Retail - General merchandise stores	<1	8,295	13,639	22,741
Retail - Miscellaneous store retailers	<1	7,159	7,687	13,105
Retail - Nonstore retailers	<1	7,589	37,103	56,869
Air transportation	<1	821	2,849	5,020
Rail transportation	<1	1,786	2,788	6,796
Water transportation	<1	351	709	5,218
Truck transportation	<1	18,001	27,553	54,861
Transit and ground passenger transportation	<1	2,727	4,487	5,938
Pipeline transportation	<1	572	1,815	3,175
Scenic and sightseeing transportation and support activities for transportation	<1	4,269	3,757	6,520
Couriers and messengers	<1	5,983	10,784	12,770
Warehousing and storage	<1	7,669	8,368	14,544
Newspaper publishers	<1	1,429	2,140	3,608
Periodical publishers	<1	883	1,220	2,330
Book publishers	<1	638	1,352	3,728

## Appendix

Directory, mailing list, and other publishers	<1	61	120	290
Greeting card publishing	<1	95	241	525
Software publishers	<1	5,588	8,973	14,272
Motion picture and video industries	<1	1,612	2,961	7,112
Sound recording industries	<1	125	968	1,765
Radio and television broadcasting	<1	2,969	3,521	15,248
Cable and other subscription programming	<1	280	934	5,672
Wired telecommunications carriers	<1	4,298	6,167	15,207
Wireless telecommunications carriers (except satellite)	<1	1,169	4,684	22,178
Satellite, telecommunications resellers, and all other telecommunications	<1	204	207	646
Data processing, hosting, and related services	<1	5,935	9,712	33,407
News syndicates, libraries, archives and all other information services	<1	459	713	3,428
Internet publishing and broadcasting and web search portals	<1	929	2,402	16,367
Nondepository credit intermediation and related activities	<1	11,258	12,237	18,152
Securities and commodity contracts intermediation and brokerage	<1	9,075	6,390	14,090
Monetary authorities and depository credit intermediation	<1	19,369	68,989	102,247
Other financial investment activities	<1	9,710	11,299	28,372
Direct life insurance carriers	<1	4,902	11,522	15,231
Insurance carriers, except direct life	<1	8,671	33,417	57,811
Insurance agencies, brokerages, and related activities	<1	11,383	20,279	41,149
Funds, trusts, and other financial vehicles	<1	2,518	2,836	12,534
Other real estate	<1	16,104	53,714	122,159
Tenant-occupied housing	<1	2,352	30,153	32,215
Owner-occupied dwellings	0	0	196,409	237,033
Automotive equipment rental and leasing	<1	1,509	9,020	10,940

Appendix

General and consumer goods rental except video tapes and discs	<1	1,537	3,408	5,123
Video tape and disc rental	<1	597	1,040	1,794
Commercial and industrial machinery and equipment rental and leasing	<1	1,485	5,927	7,488
Lessors of nonfinancial intangible assets	<1	136	707	974
Legal services	<1	12,713	20,836	30,701
Accounting, tax preparation, bookkeeping, and payroll services	<1	9,816	13,980	21,788
Architectural, engineering, and related services	<1	6,256	7,190	13,299
Specialized design services	<1	2,348	4,781	8,175
Custom computer programming services	<1	39,667	40,620	58,582
Computer systems design services	<1	22,250	19,804	26,434
Other computer related services, including facilities management	<1	3,018	3,547	7,663
Management consulting services	<1	13,872	14,469	23,207
Environmental and other technical consulting services	<1	2,773	3,230	5,384
Scientific research and development services	<1	8,434	10,660	23,406
Advertising, public relations, and related services	<1	4,871	9,370	20,285
Photographic services	<1	203	619	1,182
Veterinary services	<1	3,300	3,923	5,817
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,594	3,244	6,848
Management of companies and enterprises	<1	78,123	89,798	146,205
Office administrative services	<1	3,665	1,210	3,830
Facilities support services	<1	793	1,050	3,051
Employment services	<1	33,810	45,007	70,416
Business support services	<1	12,907	11,014	18,725
Travel arrangement and reservation services	<1	1,310	1,964	7,304
Investigation and security services	<1	5,697	5,786	8,031
Services to buildings	<1	4,044	5,521	12,062
Landscape and horticultural services	<1	4,263	5,106	9,796
Other support services	<1	6,616	8,233	17,851
Waste management and remediation services	<1	3,322	5,235	11,075

## Appendix

Elementary and secondary schools	<1	9,589	7,903	9,468
Junior colleges, colleges, universities, and professional schools	<1	15,963	20,683	27,819
Other educational services	<1	3,913	4,502	8,350
Offices of physicians	<1	43,135	43,664	63,006
Offices of dentists	<1	8,987	11,100	14,578
Offices of other health practitioners	<1	8,524	13,775	17,182
Outpatient care centers	<1	9,737	9,693	16,291
Medical and diagnostic laboratories	<1	2,711	4,715	6,695
Home health care services	<1	8,835	8,855	11,264
Other ambulatory health care services	<1	2,504	3,052	4,880
Hospitals	<1	92,195	113,993	204,608
Nursing and community care facilities	<1	11,912	13,406	20,279
Residential mental retardation, mental health, substance abuse and other facilities	<1	8,279	8,672	11,922
Individual and family services	<1	26,194	22,991	30,233
Child day care services	<1	6,841	10,195	13,165
Community food, housing, and other relief services, including rehabilitation services	<1	3,328	3,122	6,279
Performing arts companies	<1	1,996	3,345	6,789
Commercial Sports Except Racing	<1	1,020	1,244	2,023
Racing and Track Operation	<1	373	537	1,011
Independent artists, writers, and performers	<1	2,026	5,014	8,610
Promoters of performing arts and sports and agents for public figures	<1	1,941	4,327	11,597
Museums, historical sites, zoos, and parks	<1	998	1,257	2,071
Amusement parks and arcades	<1	128	515	571
Gambling industries (except casino hotels)	<1	2,246	7,276	9,808
Other amusement and recreation industries	<1	3,353	4,392	5,769
Fitness and recreational sports centers	<1	869	1,395	2,057
Bowling centers	<1	351	606	892
Hotels and motels, including casino hotels	<1	869	2,172	3,065
Other accommodations	<1	485	583	793

## Appendix

Full-service restaurants	<1	21,381	33,483	58,253
Limited-service restaurants	<1	12,368	20,985	43,460
All other food and drinking places	<1	11,506	18,456	27,989
Automotive repair and maintenance, except car washes	<1	14,814	16,144	23,755
Car washes	<1	6,984	10,409	15,061
Electronic and precision equipment repair and maintenance	<1	2,258	2,844	4,696
Commercial and industrial machinery and equipment repair and maintenance	<1	4,896	4,904	7,884
Personal and household goods repair and maintenance	<1	1,393	2,531	3,639
Personal care services	<1	4,833	2,780	3,487
Death care services	<1	1,502	989	1,412
Dry-cleaning and laundry services	<1	1,952	1,173	1,549
Other personal services	<1	2,894	3,525	5,046
Religious organizations	<1	1,871	779	2,657
Grantmaking, giving, and social advocacy organizations	<1	6,517	16,259	25,296
Business and professional associations	<1	1,741	2,514	4,837
Labor and civic organizations	<1	3,558	8,589	16,999
Private households	<1	1,969	1,969	1,969
Postal service	<1	6,575	6,598	6,601
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	200	174	589
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,193	4,170	6,245
Local government passenger transit	<1	1,445	88	736
Local government electric utilities	<1	157	394	933
Other local government enterprises	<1	6,370	9,721	27,766
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	235,709	256,724	469,799

## Investments in Climate Change Research and Technology

**Table 684: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	76	5,089,477	8,534,129	16,195,190
Oilseed farming	<1	2	4	25
Grain farming	<1	472	2,193	4,096
Vegetable and melon farming	<1	1,730	5,876	7,953
Fruit farming	<1	1,250	4,135	4,471
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	474	1,364	1,875
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	914	2,424	3,544
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	190	1,243	1,894
Dairy cattle and milk production	<1	415	1,735	5,795
Poultry and egg production	<1	499	1,561	11,054
Animal production, except cattle and poultry and eggs	<1	4,739	20,410	22,686
Forestry, forest products, and timber tract production	<1	179	194	317

## Appendix

Commercial logging	<1	3,055	3,323	6,587
Commercial fishing	<1	1,654	2,214	2,235
Commercial hunting and trapping	<1	645	660	898
Support activities for agriculture and forestry	<1	5,906	5,970	6,759
Oil and gas extraction	<1	136	149	13,865
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	21	59	270
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	729	1,613	4,911
Sand and gravel mining	<1	97	142	408
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	23	33	127
Phosphate rock mining	<1	6	10	40
Other chemical and fertilizer mineral mining	<1	3	5	18
Other nonmetallic minerals	<1	84	132	487
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	<1	<1	48
Other nonmetallic minerals services	<1	<1	<1	4
Electric power generation - Hydroelectric	<1	1,381	4,886	9,394
Electric power generation - Fossil fuel	<1	1,420	8,275	17,259
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	427	1,236	1,879
Electric power generation - Wind	<1	765	11,100	18,235
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,024	4,715	12,283
Electric power generation - All other	<1	98	53	86
Electric power transmission and distribution	<1	13,988	76,909	161,852

Appendix

Natural gas distribution	<1	1,877	10,090	20,303
Water, sewage and other systems	<1	483	1,443	2,502
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	24,265	27,423	92,859
Maintenance and repair construction of residential structures	<1	6,415	7,983	23,296
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	30	35	114
Dog and cat food manufacturing	<1	3	9	41
Other animal food manufacturing	<1	390	818	7,444
Flour milling	<1	55	143	1,297
Rice milling	0	0	0	0
Malt manufacturing	<1	7	14	125
Wet corn milling	<1	683	1,773	15,251
Soybean and other oilseed processing	<1	10	84	947
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	46	74	434

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	13	22	106
Confectionery manufacturing from purchased chocolate	<1	67	112	782
Frozen fruits, juices and vegetables manufacturing	<1	922	2,280	8,781
Frozen specialties manufacturing	<1	66	101	418
Canned fruits and vegetables manufacturing	<1	267	604	2,106
Canned specialties	<1	29	82	377
Dehydrated food products manufacturing	<1	3	7	30
Cheese manufacturing	<1	5	8	108
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	728	1,334	6,702
Creamery butter manufacturing	<1	92	413	2,833
Ice cream and frozen dessert manufacturing	<1	68	110	578
Frozen cakes and other pastries manufacturing	<1	434	652	1,241
Poultry processing	<1	1,871	2,438	10,279
Animal, except poultry, slaughtering	<1	228	307	3,491
Meat processed from carcasses	<1	137	159	996
Rendering and meat byproduct processing	<1	14	19	99
Seafood product preparation and packaging	<1	647	1,023	5,518
Bread and bakery product, except frozen, manufacturing	<1	1,686	2,639	6,442
Cookie and cracker manufacturing	<1	51	81	471
Dry pasta, mixes, and dough manufacturing	<1	77	219	878
Tortilla manufacturing	<1	14	21	124
Roasted nuts and peanut butter manufacturing	<1	60	72	433
Other snack food manufacturing	<1	53	75	444
Coffee and tea manufacturing	<1	55	120	734
Flavoring syrup and concentrate manufacturing	<1	8	77	204
Mayonnaise, dressing, and sauce manufacturing	<1	15	35	183
Spice and extract manufacturing	<1	7	13	96
All other food manufacturing	<1	214	337	1,365
Bottled and canned soft drinks & water	<1	1,984	4,132	14,944
Manufactured ice	<1	94	74	287

## Appendix

Breweries	<1	1,213	2,921	7,625
Wineries	<1	162	344	1,207
Distilleries	<1	510	2,627	5,667
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	27	35	184
Broadwoven fabric mills	<1	130	162	770
Narrow fabric mills and schiffli machine embroidery	<1	9	9	31
Nonwoven fabric mills	<1	62	81	390
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	2	11
Fabric coating mills	<1	22	26	115
Carpet and rug mills	<1	408	533	2,096
Curtain and linen mills	<1	12	14	51
Textile bag and canvas mills	<1	216	245	797
Rope, cordage, twine, tire cord and tire fabric mills	<1	394	452	1,508
Other textile product mills	<1	70	78	257
Hosiery and sock mills	<1	4	5	14
Other apparel knitting mills	<1	4	5	16
Cut and sew apparel contractors	<1	2	3	6
Men's and boys' cut and sew apparel manufacturing	<1	9	10	35
Women's and girls' cut and sew apparel manufacturing	<1	10	11	68
Other cut and sew apparel manufacturing	<1	6	7	29
Apparel accessories and other apparel manufacturing	<1	7	7	26
Leather and hide tanning and finishing	<1	2	3	12
Footwear manufacturing	<1	182	191	584
Other leather and allied product manufacturing	<1	17	17	52
Sawmills	<1	5,275	8,877	34,054
Wood preservation	<1	193	484	2,014
Veneer and plywood manufacturing	<1	113	171	567
Engineered wood member and truss manufacturing	<1	190	293	928
Reconstituted wood product manufacturing	<1	313	830	3,205
Wood windows and door manufacturing	<1	781	1,011	2,977
Cut stock, resawing lumber, and planing	<1	144	275	833

## Appendix

Other millwork, including flooring	<1	188	290	983
Wood container and pallet manufacturing	<1	829	1,099	3,174
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	153	250	851
All other miscellaneous wood product manufacturing	<1	469	652	2,303
Pulp mills	<1	125	157	642
Paper mills	<1	4,759	8,530	31,453
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	635	874	4,276
Paper bag and coated and treated paper manufacturing	<1	91	124	498
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	1,961	3,815	15,661
All other converted paper product manufacturing	<1	354	513	1,870
Printing	<1	5,878	8,594	18,186
Support activities for printing	<1	13	20	33
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	490	842	2,686
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	457	1,034	4,086
Synthetic dye and pigment manufacturing	<1	53	81	325
Other basic inorganic chemical manufacturing	<1	30	51	210
Other basic organic chemical manufacturing	<1	79	166	1,466
Plastics material and resin manufacturing	<1	23	37	281
Synthetic rubber manufacturing	<1	21	29	152
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	47	153	1,185

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	41	70	323
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	169	217	646
Pharmaceutical preparation manufacturing	<1	608	1,222	3,401
In-vitro diagnostic substance manufacturing	<1	454	580	1,617
Biological product (except diagnostic) manufacturing	<1	38	89	324
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	59	123	534
Polish and other sanitation good manufacturing	<1	23	31	112
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	35	74	260
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	17	24	120
Photographic film and chemical manufacturing	<1	91	168	714
Other miscellaneous chemical product manufacturing	<1	6	9	67
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	140	241	716
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	31	98	326
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	229	412	1,261
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	183	343	1,458
Plastics bottle manufacturing	<1	25	42	191
Other plastics product manufacturing	<1	2,231	3,510	10,438
Tire manufacturing	<1	218	303	1,579

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	10	17	53
Other rubber product manufacturing	<1	27	36	110
Pottery, ceramics, and plumbing fixture manufacturing	<1	37	47	167
Brick, tile, and other structural clay product manufacturing	<1	103	126	348
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	325	404	1,203
Cement manufacturing	<1	283	392	1,539
Ready-mix concrete manufacturing	<1	960	1,164	4,875
Concrete block and brick manufacturing	<1	212	264	830
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	504	580	1,654
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	520	569	1,316
Ground or treated mineral and earth manufacturing	<1	86	119	380
Mineral wool manufacturing	<1	31	45	165
Miscellaneous nonmetallic mineral products manufacturing	<1	9	13	45
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	104	136	547
Secondary processing of other nonferrous metals	<1	4	10	49
Ferrous metal foundries	<1	171	308	1,032
Nonferrous metal foundries	<1	10	15	48
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	154	208	668
Iron and steel forging	<1	47	67	244
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	25	57	156
Handtool manufacturing	<1	108	182	524
Prefabricated metal buildings and components manufacturing	<1	65	104	355
Fabricated structural metal manufacturing	<1	2,157	3,374	12,538
Plate work manufacturing	<1	266	313	1,050
Metal window and door manufacturing	<1	103	150	452
Sheet metal work manufacturing	<1	140	199	611
Ornamental and architectural metal work manufacturing	<1	71	91	296
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	13	17	54
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	9	12	48
Hardware manufacturing	<1	58	90	317
Spring and wire product manufacturing	<1	140	196	870
Machine shops	<1	2,402	2,916	6,292
Turned product and screw, nut, and bolt manufacturing	<1	96	128	419
Metal heat treating	<1	54	73	186
Metal coating and nonprecious engraving	<1	281	508	1,532
Electroplating, anodizing, and coloring metal	<1	162	180	412
Valve and fittings, other than plumbing, manufacturing	<1	12	19	61
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	28	34	73
Small arms, ordnance, and accessories manufacturing	<1	162	364	1,094
Fabricated pipe and pipe fitting manufacturing	<1	27	36	112
Other fabricated metal manufacturing	<1	203	283	984
Farm machinery and equipment manufacturing	<1	5	11	39
Lawn and garden equipment manufacturing	<1	40	86	352
Construction machinery manufacturing	<1	19	60	172
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	6	8	23
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	1	5
Optical instrument and lens manufacturing	<1	<1	2	5
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	11	22	62
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	87	167	491
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	34	75	229
Industrial mold manufacturing	<1	2	3	7
Special tool, die, jig, and fixture manufacturing	<1	<1	1	3

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	15	20	45
Machine tool manufacturing	<1	2	3	10
Rolling mill and other metalworking machinery manufacturing	<1	44	69	156
Turbine and turbine generator set units manufacturing	<1	4	5	18
Speed changer, industrial high-speed drive, and gear manufacturing	<1	38	67	187
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	4	5	17
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	5	15
Industrial truck, trailer, and stacker manufacturing	<1	5	10	32
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	1	2	5
Fluid power cylinder and actuator manufacturing	<1	5	9	21
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	4	12
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	6,899	9,692	25,363
Other communications equipment manufacturing	<1	<1	<1	2
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	41	67	300
Bare printed circuit board manufacturing	<1	2	2	5
Semiconductor and related device manufacturing	<1	59	97	405
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	21	27	87
Electronic connector manufacturing	<1	20	28	99
Other electronic component manufacturing	<1	10	13	41
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	4
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	3	5	15
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	2	3	8
Irradiation apparatus manufacturing	<1	0	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	<1	<1	<1
Lighting fixture manufacturing	<1	<1	<1	2
Small electrical appliance manufacturing	0	0	0	0

## Appendix

Household cooking appliance manufacturing	<1	<1	<1	7
Household refrigerator and home freezer manufacturing	<1	<1	<1	7
Household laundry equipment manufacturing	<1	3	3	22
Other major household appliance manufacturing	<1	0	0	3
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	11	12	48
Relay and industrial control manufacturing	<1	2	2	7
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	3	3	20
Wiring device manufacturing	<1	19	20	91
Carbon and graphite product manufacturing	<1	105	118	526
All other miscellaneous electrical equipment and component manufacturing	<1	4	4	14
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	6	7	32
Truck trailer manufacturing	<1	3	4	19
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,957	2,381	10,212
Motor vehicle gasoline engine and engine parts manufacturing	<1	39	59	340
Motor vehicle electrical and electronic equipment manufacturing	<1	32	63	248
Motor vehicle transmission and power train parts manufacturing	<1	996	1,429	7,892
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	202	277	1,506

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,499	3,465	17,692
Aircraft manufacturing	<1	49	106	257
Aircraft engine and engine parts manufacturing	<1	133	374	849
Other aircraft parts and auxiliary equipment manufacturing	<1	7,721	11,939	26,293
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	15	24	46
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	4,337	6,686	14,001
Boat building	<1	1,146	2,004	6,082
Motorcycle, bicycle, and parts manufacturing	<1	5	25	48
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	34	93	353
Wood kitchen cabinet and countertop manufacturing	<1	148	168	481
Upholstered household furniture manufacturing	<1	77	83	285
Nonupholstered wood household furniture manufacturing	<1	90	97	308
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	18	18	56
Wood office furniture manufacturing	<1	0	0	<1
Custom architectural woodwork and millwork	<1	32	17	80
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	34	40	160
Mattress manufacturing	<1	6	8	41
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	9	11	27
Surgical appliance and supplies manufacturing	<1	255	344	1,141

## Appendix

Dental equipment and supplies manufacturing	<1	0	0	<1
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	19	19	37
Jewelry and silverware manufacturing	<1	52	77	237
Sporting and athletic goods manufacturing	<1	20	24	113
Doll, toy, and game manufacturing	<1	41	51	354
Office supplies (except paper) manufacturing	<1	13	17	126
Sign manufacturing	<1	468	430	1,100
Gasket, packing, and sealing device manufacturing	<1	26	27	69
Musical instrument manufacturing	<1	68	70	191
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	46	50	162
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	228	269	944
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,962	12,441	33,387
Wholesale - Professional and commercial equipment and supplies	<1	14,515	21,290	38,550
Wholesale - Household appliances and electrical and electronic goods	<1	4,962	11,179	26,511
Wholesale - Machinery, equipment, and supplies	<1	9,759	17,461	35,693
Wholesale - Other durable goods merchant wholesalers	<1	13,108	22,569	51,256
Wholesale - Drugs and druggists'sundries	<1	11,341	25,595	66,358
Wholesale - Grocery and related product wholesalers	<1	13,460	19,643	43,624
Wholesale - Petroleum and petroleum products	<1	11,513	163,228	205,884
Wholesale - Other nondurable goods merchant wholesalers	<1	15,645	32,678	71,824
Wholesale - Wholesale electronic markets and agents and brokers	<1	10,371	11,639	13,935
Retail - Motor vehicle and parts dealers	<1	18,448	27,103	38,649
Retail - Furniture and home furnishings stores	<1	6,392	9,313	15,805

## Appendix

Retail - Electronics and appliance stores	<1	6,749	6,559	11,492
Retail - Building material and garden equipment and supplies stores	<1	11,400	22,236	32,060
Retail - Food and beverage stores	<1	28,370	40,565	67,161
Retail - Health and personal care stores	<1	12,568	16,184	24,277
Retail - Gasoline stores	<1	28,708	69,244	137,381
Retail - Clothing and clothing accessories stores	<1	7,100	11,952	24,600
Retail - Sporting goods, hobby, musical instrument and book stores	<1	6,777	9,671	16,390
Retail - General merchandise stores	<1	19,764	32,926	55,331
Retail - Miscellaneous store retailers	<1	15,073	16,392	28,585
Retail - Nonstore retailers	<1	19,117	94,356	145,102
Air transportation	2	194,314	518,351	976,067
Rail transportation	<1	81,799	172,284	359,745
Water transportation	<1	16,068	32,275	215,000
Truck transportation	8	617,105	937,920	1,970,082
Transit and ground passenger transportation	<1	5,242	8,937	12,721
Pipeline transportation	<1	104,443	173,591	278,646
Scenic and sightseeing transportation and support activities for transportation	2	102,749	94,340	160,231
Couriers and messengers	1	43,582	83,910	99,120
Warehousing and storage	<1	28,185	30,541	53,908
Newspaper publishers	<1	3,754	5,012	9,024
Periodical publishers	<1	1,694	1,993	4,299
Book publishers	<1	1,250	2,336	6,979
Directory, mailing list, and other publishers	<1	195	340	861
Greeting card publishing	<1	196	448	990
Software publishers	<1	11,641	16,975	28,241
Motion picture and video industries	<1	4,004	7,253	18,762
Sound recording industries	<1	338	2,535	4,898
Radio and television broadcasting	<1	8,290	9,871	48,290
Cable and other subscription programming	<1	677	2,180	14,322
Wired telecommunications carriers	<1	12,797	17,610	44,715



## Appendix

Wireless telecommunications carriers (except satellite)	<1	3,475	11,888	60,855
Satellite, telecommunications resellers, and all other telecommunications	<1	842	922	2,772
Data processing, hosting, and related services	<1	11,055	18,092	64,032
News syndicates, libraries, archives and all other information services	<1	1,166	1,800	8,833
Internet publishing and broadcasting and web search portals	<1	2,730	7,010	50,240
Nondepository credit intermediation and related activities	<1	34,591	37,383	57,190
Securities and commodity contracts intermediation and brokerage	<1	31,425	23,443	58,141
Monetary authorities and depository credit intermediation	<1	84,565	259,808	411,746
Other financial investment activities	<1	20,699	24,038	69,089
Direct life insurance carriers	<1	11,201	25,696	35,907
Insurance carriers, except direct life	<1	29,720	111,086	204,404
Insurance agencies, brokerages, and related activities	<1	35,795	63,370	133,158
Funds, trusts, and other financial vehicles	<1	4,803	5,137	26,005
Other real estate	3	84,423	289,090	685,149
Tenant-occupied housing	<1	4,577	58,406	63,144
Owner-occupied dwellings	0	0	399,661	485,257
Automotive equipment rental and leasing	<1	5,571	31,083	39,454
General and consumer goods rental except video tapes and discs	<1	7,511	16,705	25,519
Video tape and disc rental	<1	1,307	2,304	3,966
Commercial and industrial machinery and equipment rental and leasing	<1	18,964	72,083	93,344
Lessors of nonfinancial intangible assets	<1	489	2,168	3,004
Legal services	<1	75,799	118,840	178,750
Accounting, tax preparation, bookkeeping, and payroll services	<1	31,461	43,869	70,769
Architectural, engineering, and related services	<1	37,955	43,266	81,419
Specialized design services	<1	2,388	4,733	8,582

## Appendix

Custom computer programming services	<1	11,325	11,616	17,273
Computer systems design services	<1	22,389	19,856	27,094
Other computer related services, including facilities management	<1	5,513	6,521	14,285
Management consulting services	<1	90,846	94,504	156,764
Environmental and other technical consulting services	<1	12,502	14,408	24,740
Scientific research and development services	13	1,073,463	1,403,246	3,013,387
Advertising, public relations, and related services	<1	15,077	28,475	64,239
Photographic services	<1	636	1,807	3,711
Veterinary services	<1	6,861	8,050	12,235
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	10,955	22,027	47,988
Management of companies and enterprises	2	193,401	221,546	372,707
Office administrative services	<1	12,307	3,840	13,250
Facilities support services	<1	1,660	2,141	6,700
Employment services	3	143,693	187,195	314,649
Business support services	<1	25,613	21,443	39,192
Travel arrangement and reservation services	<1	8,261	12,316	46,872
Investigation and security services	<1	10,798	10,937	15,881
Services to buildings	<1	15,284	20,397	46,723
Landscape and horticultural services	<1	14,746	17,439	34,924
Other support services	<1	9,324	11,454	26,262
Waste management and remediation services	<1	9,402	15,034	32,020
Elementary and secondary schools	<1	16,547	13,746	16,781
Junior colleges, colleges, universities, and professional schools	5	216,986	279,495	386,514
Other educational services	<1	8,564	9,779	18,686
Offices of physicians	<1	89,179	89,953	131,757
Offices of dentists	<1	18,072	21,903	29,266
Offices of other health practitioners	<1	18,438	28,642	36,388
Outpatient care centers	<1	19,466	19,291	32,241
Medical and diagnostic laboratories	<1	5,634	9,429	13,754
Home health care services	<1	17,311	17,274	22,292

## Appendix

Other ambulatory health care services	<1	5,079	6,085	9,939
Hospitals	2	158,123	193,394	349,271
Nursing and community care facilities	<1	21,263	23,816	37,312
Residential mental retardation, mental health, substance abuse and other facilities	<1	13,065	13,657	19,388
Individual and family services	1	44,876	38,912	53,064
Child day care services	<1	12,908	18,447	24,563
Community food, housing, and other relief services, including rehabilitation services	<1	5,313	4,959	10,407
Performing arts companies	<1	4,852	7,911	17,005
Commercial Sports Except Racing	<1	2,543	2,752	4,711
Racing and Track Operation	<1	596	921	1,852
Independent artists, writers, and performers	<1	5,449	13,277	23,510
Promoters of performing arts and sports and agents for public figures	<1	4,522	10,035	28,748
Museums, historical sites, zoos, and parks	<1	1,754	2,182	3,748
Amusement parks and arcades	<1	254	1,010	1,141
Gambling industries (except casino hotels)	<1	4,173	13,266	18,284
Other amusement and recreation industries	<1	6,758	8,795	11,862
Fitness and recreational sports centers	<1	1,654	2,585	3,989
Bowling centers	<1	712	1,198	1,824
Hotels and motels, including casino hotels	<1	2,144	5,557	7,911
Other accommodations	<1	974	1,180	1,633
Full-service restaurants	1	50,365	79,735	141,691
Limited-service restaurants	<1	26,544	45,537	97,627
All other food and drinking places	1	49,126	80,029	124,433
Automotive repair and maintenance, except car washes	1	75,319	85,835	127,022
Car washes	<1	16,362	24,699	36,050
Electronic and precision equipment repair and maintenance	<1	10,206	12,901	22,006
Commercial and industrial machinery and equipment repair and maintenance	<1	16,105	16,534	27,441
Personal and household goods repair and maintenance	<1	4,484	8,988	12,793

## Appendix

Personal care services	<1	9,610	6,427	7,935
Death care services	<1	2,769	2,068	2,929
Dry-cleaning and laundry services	<1	6,531	4,517	5,894
Other personal services	<1	6,707	8,506	12,269
Religious organizations	<1	3,091	1,538	4,730
Grantmaking, giving, and social advocacy organizations	<1	9,781	29,045	44,234
Business and professional associations	<1	3,787	6,240	11,983
Labor and civic organizations	<1	5,675	16,479	31,321
Private households	<1	4,045	4,045	4,063
Postal service	<1	36,305	36,406	36,672
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	501	423	1,440
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	15,212	24,584	37,348
Local government passenger transit	<1	3,488	354	2,400
Local government electric utilities	<1	344	994	2,320
Other local government enterprises	<1	28,877	58,004	142,400
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	74,245	161,711	295,928

## Maryland

## NASA

Table 685: Detailed NASA Impacts by Types of Impact, Maryland

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>33,809</i>	<i>3,273,763,421</i>	<i>4,756,730,226</i>	<i>8,266,465,315</i>
Oilseed farming	6	996,160	3,100,871	3,630,948
Grain farming	35	1,779,868	4,366,165	9,120,022
Vegetable and melon farming	5	240,279	452,015	646,028
Fruit farming	2	63,949	112,632	122,314
Tree nut farming	<1	152	285	328
Greenhouse, nursery, and floriculture production	8	234,619	450,535	725,008
Tobacco farming	<1	6,338	8,944	14,401
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	9	75,824	132,168	213,186
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	6	163,296	405,781	782,142
Dairy cattle and milk production	3	134,342	290,756	1,036,637
Poultry and egg production	9	235,694	577,321	4,415,108
Animal production, except cattle and poultry and eggs	47	2,024,165	4,896,373	5,590,334
Forestry, forest products, and timber tract production	1	85,489	94,689	122,814
Commercial logging	1	85,631	87,821	144,764
Commercial fishing	9	141,034	273,953	302,440
Commercial hunting and trapping	1	69,977	65,333	98,640
Support activities for agriculture and forestry	34	1,109,909	1,147,855	1,330,327
Oil and gas extraction	4	68,366	56,934	4,219,237
Coal mining	<1	97,445	211,617	386,433
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	19,840	33,619	77,799
Stone mining and quarrying	1	105,564	300,912	537,909
Sand and gravel mining	<1	66,074	102,217	205,726

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	7,976	10,760	21,237
Phosphate rock mining	<1	3,033	4,875	9,857
Other chemical and fertilizer mineral mining	<1	1,674	2,290	4,613
Other nonmetallic minerals	<1	27,734	43,131	86,200
Drilling oil and gas wells	<1	18	63	235
Support activities for oil and gas operations	<1	143	193	1,099
Metal mining services	<1	1,497	1,607	64,936
Other nonmetallic minerals services	<1	528	859	9,742
Electric power generation - Hydroelectric	<1	15,985	30,311	54,473
Electric power generation - Fossil fuel	25	7,534,392	19,922,000	43,461,525
Electric power generation - Nuclear	10	3,293,541	5,565,995	10,545,354
Electric power generation - Solar	2	320,100	668,085	1,311,913
Electric power generation - Wind	<1	14,727	75,023	141,996
Electric power generation - Geothermal	<1	26,955	49,897	86,477
Electric power generation - Biomass	<1	12,670	28,314	73,020
Electric power generation - All other	<1	252,911	-25,548	66,247
Electric power transmission and distribution	61	14,506,595	37,146,900	89,065,172
Natural gas distribution	7	1,394,492	3,661,434	8,283,546
Water, sewage and other systems	4	590,870	1,006,894	1,710,395
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	52	4,033,750	4,131,468	8,144,365
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	81	5,718,279	11,370,134	23,534,322
Maintenance and repair construction of residential structures	54	3,652,346	6,392,122	13,223,623
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2,719	5,371	11,192
Dog and cat food manufacturing	<1	40,101	126,893	533,241
Other animal food manufacturing	1	99,473	233,071	1,654,029
Flour milling	<1	1,235	3,091	26,493
Rice milling	0	0	0	0
Malt manufacturing	<1	1,000	1,986	15,682
Wet corn milling	2	299,432	817,664	4,306,789
Soybean and other oilseed processing	<1	21,781	172,987	1,249,595
Fats and oils refining and blending	<1	18,602	59,592	492,832
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	99,257	341,526	1,091,040
Nonchocolate confectionery manufacturing	<1	64,108	99,949	406,322
Chocolate and confectionery manufacturing from cacao beans	<1	21,875	36,991	110,676
Confectionery manufacturing from purchased chocolate	<1	60,600	98,424	396,525
Frozen fruits, juices and vegetables manufacturing	<1	8,709	22,118	115,995
Frozen specialties manufacturing	<1	4,823	7,243	43,938
Canned fruits and vegetables manufacturing	<1	56,250	127,514	414,586
Canned specialties	<1	578	1,623	9,463
Dehydrated food products manufacturing	<1	406	868	4,536
Cheese manufacturing	<1	49,417	76,509	764,031
Dry, condensed, and evaporated dairy product manufacturing	<1	19,395	56,202	295,940
Fluid milk manufacturing	3	252,094	460,396	2,411,016
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	2	186,938	296,511	1,107,413



## Appendix

Frozen cakes and other pastries manufacturing	8	332,811	491,371	895,023
Poultry processing	7	350,127	464,763	2,420,464
Animal, except poultry, slaughtering	3	189,010	250,768	2,105,008
Meat processed from carcasses	4	269,546	287,471	2,309,191
Rendering and meat byproduct processing	<1	38,688	45,310	269,000
Seafood product preparation and packaging	1	72,600	111,188	554,672
Bread and bakery product, except frozen, manufacturing	22	1,079,864	1,688,735	3,929,845
Cookie and cracker manufacturing	<1	19,530	31,041	138,005
Dry pasta, mixes, and dough manufacturing	1	76,680	213,503	708,206
Tortilla manufacturing	<1	3,033	4,388	18,177
Roasted nuts and peanut butter manufacturing	<1	82,845	129,943	498,007
Other snack food manufacturing	3	241,378	724,420	2,018,323
Coffee and tea manufacturing	<1	39,170	83,367	359,596
Flavoring syrup and concentrate manufacturing	<1	44,626	450,471	695,879
Mayonnaise, dressing, and sauce manufacturing	<1	31,812	70,250	268,580
Spice and extract manufacturing	5	410,758	764,942	3,055,959
All other food manufacturing	4	303,042	475,044	1,942,143
Bottled and canned soft drinks & water	5	408,481	801,017	3,291,742
Manufactured ice	<1	53,635	42,010	138,756
Breweries	5	187,729	419,943	1,415,300
Wineries	3	164,039	311,456	1,097,964
Distilleries	2	149,346	610,557	1,440,902
Tobacco product manufacturing	<1	74,879	2,138,190	3,322,211
Fiber, yarn, and thread mills	<1	240	376	2,230
Broadwoven fabric mills	<1	4,831	8,184	32,777
Narrow fabric mills and schiffli machine embroidery	<1	3,598	4,314	14,116
Nonwoven fabric mills	<1	24,618	48,679	185,881
Knit fabric mills	<1	2,064	3,175	10,405
Textile and fabric finishing mills	<1	9,523	14,284	43,439
Fabric coating mills	<1	1,294	1,868	7,886
Carpet and rug mills	<1	12,283	20,553	45,458
Curtain and linen mills	<1	8,982	13,076	37,372
Textile bag and canvas mills	1	50,030	78,840	207,945
Rope, cordage, twine, tire cord and tire fabric mills	<1	30,096	56,979	123,862

## Appendix

Other textile product mills	<1	61,482	81,700	188,257
Hosiery and sock mills	<1	3,916	6,185	14,369
Other apparel knitting mills	<1	4,306	7,056	17,197
Cut and sew apparel contractors	<1	17,400	20,278	49,427
Men's and boys' cut and sew apparel manufacturing	<1	19,440	21,979	67,312
Women's and girls' cut and sew apparel manufacturing	<1	22,490	25,171	133,058
Other cut and sew apparel manufacturing	<1	10,639	12,807	45,478
Apparel accessories and other apparel manufacturing	1	62,344	63,360	163,224
Leather and hide tanning and finishing	<1	1,095	1,196	4,361
Footwear manufacturing	<1	17,195	18,169	51,551
Other leather and allied product manufacturing	<1	14,911	14,964	30,083
Sawmills	<1	56,559	95,018	469,148
Wood preservation	<1	11,852	29,802	143,511
Veneer and plywood manufacturing	<1	6,303	9,646	40,628
Engineered wood member and truss manufacturing	2	133,064	204,256	669,498
Reconstituted wood product manufacturing	<1	3,782	10,252	51,104
Wood windows and door manufacturing	<1	8,975	11,564	38,261
Cut stock, resawing lumber, and planing	<1	13,639	25,090	90,788
Other millwork, including flooring	2	127,311	191,244	610,550
Wood container and pallet manufacturing	2	104,978	137,038	415,338
Manufactured home (mobile home) manufacturing	<1	3	4	11
Prefabricated wood building manufacturing	<1	2,890	4,551	15,027
All other miscellaneous wood product manufacturing	2	248,822	326,989	644,552
Pulp mills	0	0	0	0
Paper mills	1	113,673	123,787	790,684
Paperboard mills	0	0	0	0
Paperboard container manufacturing	6	546,468	602,267	3,316,893
Paper bag and coated and treated paper manufacturing	<1	12,317	13,211	66,619
Stationery product manufacturing	<1	5,286	5,825	36,668

## Appendix

Sanitary paper product manufacturing	<1	20,501	25,607	204,412
All other converted paper product manufacturing	<1	4,157	4,657	25,205
Printing	50	3,542,649	5,638,791	10,630,926
Support activities for printing	2	157,446	243,662	374,915
Petroleum refineries	1	232,781	2,839,000	14,874,687
Asphalt paving mixture and block manufacturing	<1	28,178	47,172	215,287
Asphalt shingle and coating materials manufacturing	<1	81,452	387,203	771,224
Petroleum lubricating oil and grease manufacturing	<1	20,877	72,297	217,407
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,150	15,046	44,039
Industrial gas manufacturing	2	521,194	1,432,751	3,463,253
Synthetic dye and pigment manufacturing	<1	218	451	1,157
Other basic inorganic chemical manufacturing	1	240,209	551,826	1,352,017
Other basic organic chemical manufacturing	<1	16,941	46,089	296,224
Plastics material and resin manufacturing	<1	5,489	13,507	143,405
Synthetic rubber manufacturing	<1	5,642	9,321	49,369
Artificial and synthetic fibers and filaments manufacturing	<1	35,435	58,051	315,556
Nitrogenous fertilizer manufacturing	<1	24,316	93,149	330,762
Phosphatic fertilizer manufacturing	<1	885	2,635	10,096
Fertilizer mixing	<1	4,268	9,421	39,465
Pesticide and other agricultural chemical manufacturing	<1	118,929	452,474	1,618,464
Medicinal and botanical manufacturing	4	877,897	1,394,904	3,022,212
Pharmaceutical preparation manufacturing	5	853,895	2,423,982	5,520,394
In-vitro diagnostic substance manufacturing	3	466,557	706,418	1,657,229
Biological product (except diagnostic) manufacturing	3	972,938	2,801,663	4,424,448
Paint and coating manufacturing	<1	74,730	163,517	693,833
Adhesive manufacturing	2	196,509	331,448	1,156,750
Soap and other detergent manufacturing	<1	5,474	15,646	52,180
Polish and other sanitation good manufacturing	1	129,203	220,714	609,896

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	2	180,368	554,126	1,378,114
Printing ink manufacturing	<1	1,955	2,341	10,511
Explosives manufacturing	<1	893	1,091	3,986
Custom compounding of purchased resins	<1	2,693	5,304	19,563
Photographic film and chemical manufacturing	<1	53,264	116,652	332,979
Other miscellaneous chemical product manufacturing	<1	74,269	130,590	614,236
Plastics packaging materials and unlaminated film and sheet manufacturing	1	105,806	174,143	643,753
Unlaminated plastics profile shape manufacturing	<1	19,749	44,813	133,237
Plastics pipe and pipe fitting manufacturing	<1	21,204	61,372	198,101
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6,654	11,322	31,502
Polystyrene foam product manufacturing	<1	41,067	74,678	259,187
Urethane and other foam product (except polystyrene) manufacturing	<1	64,443	112,767	435,381
Plastics bottle manufacturing	<1	39,765	63,582	292,592
Other plastics product manufacturing	13	1,232,265	1,862,669	5,106,107
Tire manufacturing	<1	50,006	65,826	254,420
Rubber and plastics hoses and belting manufacturing	<1	1,975	3,197	10,049
Other rubber product manufacturing	<1	51,229	66,194	230,779
Pottery, ceramics, and plumbing fixture manufacturing	<1	33,630	57,693	124,155
Brick, tile, and other structural clay product manufacturing	<1	11,213	20,904	48,425
Flat glass manufacturing	<1	262	583	1,717
Other pressed and blown glass and glassware manufacturing	<1	3,824	7,109	26,893
Glass container manufacturing	<1	2,536	4,432	11,624
Glass product manufacturing made of purchased glass	<1	50,975	101,803	253,292
Cement manufacturing	<1	66,114	171,873	424,294
Ready-mix concrete manufacturing	3	278,270	499,040	1,526,552
Concrete block and brick manufacturing	1	92,978	182,460	440,967
Concrete pipe manufacturing	<1	38,703	70,630	187,885

## Appendix

Other concrete product manufacturing	<1	66,052	106,277	272,642
Lime manufacturing	<1	21,713	52,922	126,993
Gypsum product manufacturing	1	113,981	374,281	842,160
Abrasive product manufacturing	<1	18,855	46,047	73,251
Cut stone and stone product manufacturing	1	74,776	102,783	225,879
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	3,236	9,914	20,783
Miscellaneous nonmetallic mineral products manufacturing	<1	21,041	55,241	112,914
Iron and steel mills and ferroalloy manufacturing	<1	36,414	58,993	663,175
Iron, steel pipe and tube manufacturing from purchased steel	<1	10,342	13,997	94,519
Rolled steel shape manufacturing	<1	23,365	38,550	284,976
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	7,695	9,137	33,034
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	50,246	65,456	281,637
Other aluminum rolling, drawing and extruding	<1	4,831	5,317	22,598
Nonferrous metal (exc aluminum) smelting and refining	<1	616	1,514	13,599
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	1,450	1,616	9,137
Secondary processing of other nonferrous metals	<1	28	38	365
Ferrous metal foundries	<1	3,347	3,664	13,363
Nonferrous metal foundries	<1	6,634	7,168	25,301
Custom roll forming	<1	15,734	21,593	130,316
Crown and closure manufacturing and metal stamping	<1	16,902	21,123	68,667
Iron and steel forging	<1	8,407	10,900	44,293
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	2,837	5,243	13,375
Handtool manufacturing	<1	1,093	1,604	3,377
Prefabricated metal buildings and components manufacturing	<1	17,724	25,040	105,420

## Appendix

Fabricated structural metal manufacturing	1	125,371	176,096	594,552
Plate work manufacturing	<1	28,161	31,824	105,484
Metal window and door manufacturing	<1	56,958	74,988	214,930
Sheet metal work manufacturing	<1	82,003	105,746	302,315
Ornamental and architectural metal work manufacturing	2	146,732	172,627	455,020
Power boiler and heat exchanger manufacturing	<1	4,868	6,472	19,619
Metal tank (heavy gauge) manufacturing	<1	4,067	4,810	11,645
Metal cans manufacturing	<1	17,186	29,940	190,747
Metal barrels, drums and pails manufacturing	<1	1,070	1,364	6,832
Hardware manufacturing	<1	10,107	14,009	41,677
Spring and wire product manufacturing	1	110,008	138,439	447,789
Machine shops	6	534,899	614,192	1,266,840
Turned product and screw, nut, and bolt manufacturing	<1	14,258	17,517	48,758
Metal heat treating	<1	1,662	2,092	5,766
Metal coating and nonprecious engraving	<1	27,507	43,873	125,171
Electroplating, anodizing, and coloring metal	<1	26,781	29,091	74,307
Valve and fittings, other than plumbing, manufacturing	<1	49,153	68,253	206,002
Plumbing fixture fitting and trim manufacturing	<1	3,197	6,477	20,737
Ball and roller bearing manufacturing	<1	464	684	1,801
Small arms ammunition manufacturing	<1	1,309	2,669	6,046
Ammunition, except for small arms, manufacturing	<1	392	434	789
Small arms, ordnance, and accessories manufacturing	<1	76,469	138,859	311,518
Fabricated pipe and pipe fitting manufacturing	<1	1,712	2,073	6,110
Other fabricated metal manufacturing	2	191,189	241,243	666,164
Farm machinery and equipment manufacturing	<1	3,760	5,329	26,030
Lawn and garden equipment manufacturing	<1	15,293	21,414	115,216
Construction machinery manufacturing	<1	2,039	3,379	15,019
Mining machinery and equipment manufacturing	<1	246	281	916

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	183	204	595
Semiconductor machinery manufacturing	<1	436	477	1,976
Food product machinery manufacturing	<1	29	31	88
Sawmill, woodworking, and paper machinery	<1	9,340	10,052	28,809
Printing machinery and equipment manufacturing	<1	225	237	866
All other industrial machinery manufacturing	<1	1,404	1,546	5,118
Optical instrument and lens manufacturing	<1	5,958	7,145	21,205
Photographic and photocopying equipment manufacturing	<1	506	548	1,913
Other commercial service industry machinery manufacturing	<1	5,328	6,459	24,798
Air purification and ventilation equipment manufacturing	<1	4,725	5,305	16,855
Heating equipment (except warm air furnaces) manufacturing	<1	28,155	34,106	87,397
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	111,051	140,094	479,654
Industrial mold manufacturing	<1	5,603	6,007	12,964
Special tool, die, jig, and fixture manufacturing	<1	2,283	2,519	5,664
Cutting tool and machine tool accessory manufacturing	<1	205	222	930
Machine tool manufacturing	1	91,543	117,656	344,503
Rolling mill and other metalworking machinery manufacturing	<1	83,887	109,866	272,888
Turbine and turbine generator set units manufacturing	<1	119	124	324
Speed changer, industrial high-speed drive, and gear manufacturing	<1	15,135	17,404	58,246
Mechanical power transmission equipment manufacturing	<1	742	844	2,413
Other engine equipment manufacturing	2	207,185	309,585	1,690,410
Pump and pumping equipment manufacturing	<1	3,016	3,742	13,374
Air and gas compressor manufacturing	<1	544	614	1,958
Elevator and moving stairway manufacturing	<1	143	158	629

## Appendix

Conveyor and conveying equipment manufacturing	<1	5,763	6,132	15,721
Overhead cranes, hoists, and monorail systems manufacturing	<1	156	199	887
Industrial truck, trailer, and stacker manufacturing	<1	288	357	1,667
Power-driven handtool manufacturing	<1	31,733	53,660	141,748
Welding and soldering equipment manufacturing	<1	603	708	2,851
Packaging machinery manufacturing	<1	2,638	3,053	8,233
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	525	642	2,673
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4,541	4,915	16,052
Electronic computer manufacturing	<1	4,755	6,301	21,818
Computer storage device manufacturing	<1	137	201	1,112
Computer terminals and other computer peripheral equipment manufacturing	2	217,490	312,680	1,080,634
Telephone apparatus manufacturing	<1	9,678	14,335	33,706
Broadcast and wireless communications equipment manufacturing	<1	14,705	18,152	48,281
Other communications equipment manufacturing	<1	42,108	60,494	168,465
Audio and video equipment manufacturing	<1	2,235	3,483	20,628
Printed circuit assembly (electronic assembly) manufacturing	<1	27,009	39,083	188,899
Bare printed circuit board manufacturing	<1	16,649	19,765	52,027
Semiconductor and related device manufacturing	<1	25,575	39,351	154,437
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3,483	4,128	11,922
Electronic connector manufacturing	<1	15,375	18,880	52,318
Other electronic component manufacturing	<1	68,413	81,553	276,574



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	3,695	5,257	16,522
Search, detection, and navigation instruments manufacturing	17	2,726,408	4,288,960	9,984,726
Automatic environmental control manufacturing	<1	7,819	9,792	24,483
Industrial process variable instruments manufacturing	<1	2,636	3,467	10,894
Totalizing fluid meter and counting device manufacturing	<1	2,965	5,037	12,602
Electricity and signal testing instruments manufacturing	<1	25,811	29,818	72,955
Analytical laboratory instrument manufacturing	8	1,144,498	1,660,238	3,927,766
Irradiation apparatus manufacturing	<1	82	127	453
Watch, clock, and other measuring and controlling device manufacturing	<1	6,155	8,149	31,931
Blank magnetic and optical recording media manufacturing	1	386,472	1,023,238	3,306,855
Software and other prerecorded and record reproducing	2	415,503	542,225	1,073,203
Electric lamp bulb and part manufacturing	<1	10,600	11,298	37,425
Lighting fixture manufacturing	<1	19,126	18,152	69,583
Small electrical appliance manufacturing	<1	6,690	6,305	29,907
Household cooking appliance manufacturing	<1	1,053	888	7,461
Household refrigerator and home freezer manufacturing	<1	1,276	1,094	7,967
Household laundry equipment manufacturing	<1	4,032	4,017	26,114
Other major household appliance manufacturing	<1	528	438	3,225
Power, distribution, and specialty transformer manufacturing	<1	500	540	2,404
Motor and generator manufacturing	<1	421	436	1,449
Switchgear and switchboard apparatus manufacturing	<1	26,467	28,086	141,079
Relay and industrial control manufacturing	<1	3,559	3,742	13,485
Storage battery manufacturing	1	141,777	147,507	501,067
Primary battery manufacturing	<1	34,020	-45,298	83,423
Fiber optic cable manufacturing	<1	57,295	60,763	220,308

Appendix

Other communication and energy wire manufacturing	<1	7,587	7,485	33,987
Wiring device manufacturing	<1	7,356	7,520	30,244
Carbon and graphite product manufacturing	<1	73,486	78,437	316,300
All other miscellaneous electrical equipment and component manufacturing	<1	94,222	100,174	283,948
Automobile manufacturing	<1	4,737	8,568	77,585
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	1,086	1,622	9,602
Motor vehicle body manufacturing	<1	1,691	1,927	7,161
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	12,586	13,815	84,026
Motor vehicle gasoline engine and engine parts manufacturing	<1	84	105	435
Motor vehicle electrical and electronic equipment manufacturing	<1	12,110	21,051	74,459
Motor vehicle transmission and power train parts manufacturing	<1	86,444	102,038	467,599
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	1	106,326	120,680	611,204
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	14,823	17,657	80,410
Aircraft manufacturing	<1	2,493	5,853	12,520
Aircraft engine and engine parts manufacturing	<1	3,174	12,331	20,424
Other aircraft parts and auxiliary equipment manufacturing	<1	53,138	95,540	152,861
Guided missile and space vehicle manufacturing	<1	82	209	309
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	122,610	238,883	353,586
Railroad rolling stock manufacturing	<1	171	204	772
Ship building and repairing	<1	5,762	10,776	21,642
Boat building	<1	21,321	43,783	111,519
Motorcycle, bicycle, and parts manufacturing	<1	2,902	19,664	30,533

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	66,177	259,513	496,229
All other transportation equipment manufacturing	<1	3,150	10,655	25,757
Wood kitchen cabinet and countertop manufacturing	2	89,059	117,645	315,462
Upholstered household furniture manufacturing	<1	10,631	11,953	39,806
Nonupholstered wood household furniture manufacturing	<1	3,635	4,262	10,278
Other household nonupholstered furniture manufacturing	<1	5,237	8,944	37,555
Institutional furniture manufacturing	<1	1,554	1,683	5,955
Wood office furniture manufacturing	<1	22	29	92
Custom architectural woodwork and millwork	<1	5,290	5,289	14,207
Office furniture, except wood, manufacturing	<1	2,407	4,145	14,416
Showcase, partition, shelving, and locker manufacturing	<1	5,913	8,225	20,466
Mattress manufacturing	1	58,101	106,483	465,837
Blind and shade manufacturing	<1	33,331	33,948	126,868
Surgical and medical instrument manufacturing	<1	82,963	195,132	349,274
Surgical appliance and supplies manufacturing	<1	51,266	165,856	276,592
Dental equipment and supplies manufacturing	<1	6,938	17,543	32,060
Ophthalmic goods manufacturing	<1	18,368	61,831	118,439
Dental laboratories	<1	44,338	59,440	108,154
Jewelry and silverware manufacturing	2	97,383	212,784	524,677
Sporting and athletic goods manufacturing	<1	10,844	23,201	56,194
Doll, toy, and game manufacturing	<1	31,256	106,249	279,667
Office supplies (except paper) manufacturing	<1	15,175	36,315	69,231
Sign manufacturing	3	212,934	215,122	499,467
Gasket, packing, and sealing device manufacturing	<1	11,276	15,102	36,881
Musical instrument manufacturing	<1	41,843	53,625	118,931
Fasteners, buttons, needles, and pins manufacturing	<1	17,073	24,729	72,176

## Appendix

Broom, brush, and mop manufacturing	1	87,090	196,898	391,617
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	1	91,936	177,251	370,322
Wholesale - Motor vehicle and motor vehicle parts and supplies	22	1,718,374	3,902,820	9,241,784
Wholesale - Professional and commercial equipment and supplies	77	10,537,457	16,878,932	28,960,317
Wholesale - Household appliances and electrical and electronic goods	26	3,118,227	7,533,576	16,175,696
Wholesale - Machinery, equipment, and supplies	25	2,445,575	4,947,467	8,876,233
Wholesale - Other durable goods merchant wholesalers	77	7,336,418	13,906,011	28,143,961
Wholesale - Drugs and druggists'sundries	16	3,108,131	7,317,192	15,132,656
Wholesale - Grocery and related product wholesalers	78	6,188,745	9,291,108	19,653,483
Wholesale - Petroleum and petroleum products	4	493,992	11,893,106	13,390,527
Wholesale - Other nondurable goods merchant wholesalers	96	8,905,578	23,136,795	41,574,790
Wholesale - Wholesale electronic markets and agents and brokers	47	7,014,049	7,906,095	9,188,916
Retail - Motor vehicle and parts dealers	103	8,545,673	12,376,879	16,996,228
Retail - Furniture and home furnishings stores	75	4,049,444	5,826,185	9,442,771
Retail - Electronics and appliance stores	65	4,336,412	4,146,420	6,702,672
Retail - Building material and garden equipment and supplies stores	83	4,706,337	9,213,816	12,766,604
Retail - Food and beverage stores	354	15,089,338	21,754,865	34,398,684
Retail - Health and personal care stores	149	7,941,922	10,240,085	15,203,252
Retail - Gasoline stores	69	2,892,022	6,534,482	11,945,390
Retail - Clothing and clothing accessories stores	149	4,766,626	8,672,135	18,200,601
Retail - Sporting goods, hobby, musical instrument and book stores	95	3,324,536	4,706,662	7,590,391
Retail - General merchandise stores	254	10,138,401	16,973,700	27,312,350
Retail - Miscellaneous store retailers	201	6,716,660	7,272,718	11,840,252
Retail - Nonstore retailers	269	5,542,360	33,766,619	57,789,162
Air transportation	43	6,137,980	12,870,149	23,945,880

## Appendix

Rail transportation	13	1,748,770	3,214,715	7,295,215
Water transportation	9	1,148,578	2,696,999	8,012,286
Truck transportation	156	11,708,901	16,634,866	35,633,857
Transit and ground passenger transportation	372	7,606,607	9,327,918	15,273,640
Pipeline transportation	1	383,706	1,091,619	1,717,210
Scenic and sightseeing transportation and support activities for transportation	183	12,863,029	9,922,885	17,214,557
Couriers and messengers	325	7,563,899	14,491,213	18,442,382
Warehousing and storage	214	10,198,976	10,910,832	21,757,488
Newspaper publishers	11	1,060,863	2,612,221	3,260,556
Periodical publishers	22	3,347,666	6,672,061	9,313,678
Book publishers	9	905,360	4,142,687	7,040,816
Directory, mailing list, and other publishers	3	284,758	1,151,634	1,763,188
Greeting card publishing	<1	18,222	106,609	150,180
Software publishers	114	21,451,620	63,300,990	74,393,560
Motion picture and video industries	33	1,791,588	2,847,391	8,574,458
Sound recording industries	3	203,122	1,310,444	2,638,425
Radio and television broadcasting	32	11,197,352	16,959,041	27,975,036
Cable and other subscription programming	7	2,656,291	16,443,693	26,571,898
Wired telecommunications carriers	47	5,961,641	18,715,067	28,946,781
Wireless telecommunications carriers (except satellite)	11	1,393,877	19,415,110	33,840,756
Satellite, telecommunications resellers, and all other telecommunications	8	1,217,352	1,536,317	3,242,359
Data processing, hosting, and related services	117	15,595,202	25,241,324	76,188,063
News syndicates, libraries, archives and all other information services	8	875,813	1,247,088	2,672,409
Internet publishing and broadcasting and web search portals	38	5,005,071	11,144,946	51,101,308
Nondepository credit intermediation and related activities	113	14,617,401	15,563,182	23,315,326
Securities and commodity contracts intermediation and brokerage	206	19,731,733	18,420,102	30,674,322
Monetary authorities and depository credit intermediation	238	25,728,533	65,477,690	105,406,126

## Appendix

Other financial investment activities	299	25,621,505	30,455,386	63,843,434
Direct life insurance carriers	21	2,734,908	5,610,189	7,712,519
Insurance carriers, except direct life	114	13,078,053	41,410,290	80,209,041
Insurance agencies, brokerages, and related activities	137	13,611,034	21,308,934	47,387,129
Funds, trusts, and other financial vehicles	92	3,905,269	7,692,820	23,808,265
Other real estate	1,547	57,094,010	164,921,692	358,778,832
Tenant-occupied housing	162	5,883,425	55,910,629	59,987,611
Owner-occupied dwellings	0	0	229,617,069	277,109,776
Automotive equipment rental and leasing	24	3,223,591	14,291,257	15,909,195
General and consumer goods rental except video tapes and discs	28	2,517,401	4,725,657	6,250,917
Video tape and disc rental	11	702,668	1,154,875	1,845,168
Commercial and industrial machinery and equipment rental and leasing	21	2,890,359	10,944,575	12,461,544
Lessors of nonfinancial intangible assets	6	371,259	15,645,321	16,411,492
Legal services	374	40,493,607	80,562,251	104,971,993
Accounting, tax preparation, bookkeeping, and payroll services	204	19,237,209	26,241,768	38,732,104
Architectural, engineering, and related services	370	37,905,910	42,805,097	73,096,323
Specialized design services	29	2,265,853	4,324,818	7,351,080
Custom computer programming services	63	8,009,705	8,501,440	11,208,380
Computer systems design services	142	17,175,865	16,653,414	20,897,287
Other computer related services, including facilities management	140	17,278,286	23,930,298	41,760,332
Management consulting services	2,224	253,825,221	263,653,331	403,535,975
Environmental and other technical consulting services	102	10,773,264	12,308,517	18,770,965
Scientific research and development services	7,720	937,190,083	1,153,928,899	2,088,234,778
Advertising, public relations, and related services	130	9,937,857	17,305,580	36,583,258
Photographic services	10	496,161	1,446,402	2,848,100
Veterinary services	42	2,576,284	3,003,737	4,518,933
Marketing research and all other miscellaneous professional, scientific, and technical services	480	50,827,464	103,473,476	183,060,643
Management of companies and enterprises	482	72,761,965	81,140,559	126,220,367

Appendix

Office administrative services	236	18,490,760	7,480,828	19,365,921
Facilities support services	14	575,077	820,026	2,340,545
Employment services	1,155	72,295,112	100,527,092	155,862,175
Business support services	99	5,450,109	4,807,378	8,501,678
Travel arrangement and reservation services	33	2,211,203	3,577,789	10,628,745
Investigation and security services	174	7,970,030	8,156,299	11,806,036
Services to buildings	302	11,715,962	16,703,284	34,369,818
Landscape and horticultural services	146	7,187,694	8,885,129	16,408,082
Other support services	55	3,180,983	4,092,195	8,306,877
Waste management and remediation services	52	4,360,049	6,910,744	14,374,875
Elementary and secondary schools	171	9,742,301	7,704,666	9,273,544
Junior colleges, colleges, universities, and professional schools	262	17,299,240	21,519,501	27,537,018
Other educational services	124	6,768,044	7,564,945	13,679,699
Offices of physicians	514	55,109,466	55,515,439	80,965,938
Offices of dentists	136	10,029,227	11,816,801	15,966,201
Offices of other health practitioners	134	8,679,445	12,745,433	16,073,062
Outpatient care centers	177	13,595,004	13,416,071	21,234,747
Medical and diagnostic laboratories	55	4,850,488	7,607,154	10,405,473
Home health care services	248	12,521,825	12,465,337	16,157,796
Other ambulatory health care services	51	4,018,542	4,676,265	6,889,975
Hospitals	787	73,504,606	88,021,419	161,448,833
Nursing and community care facilities	224	12,993,214	13,885,196	21,704,503
Residential mental retardation, mental health, substance abuse and other facilities	120	6,865,855	7,077,607	10,282,687
Individual and family services	304	12,921,104	11,193,167	14,937,146
Child day care services	167	6,005,961	8,190,199	10,908,811
Community food, housing, and other relief services, including rehabilitation services	104	4,864,798	4,581,480	9,323,317
Performing arts companies	54	1,199,974	2,794,970	5,393,168
Commercial Sports Except Racing	144	4,108,615	4,415,857	8,064,404
Racing and Track Operation	11	405,819	855,576	1,430,898
Independent artists, writers, and performers	37	833,008	3,732,411	5,439,341

## Appendix

Promoters of performing arts and sports and agents for public figures	45	863,146	3,273,636	7,080,938
Museums, historical sites, zoos, and parks	11	596,139	754,601	1,266,146
Amusement parks and arcades	7	220,029	759,061	843,402
Gambling industries (except casino hotels)	61	2,709,261	11,604,204	14,370,571
Other amusement and recreation industries	79	3,216,602	4,379,674	5,499,560
Fitness and recreational sports centers	60	1,630,039	3,126,526	4,290,043
Bowling centers	8	256,958	506,055	703,505
Hotels and motels, including casino hotels	71	3,855,830	7,885,000	10,904,147
Other accommodations	25	1,512,046	1,876,447	2,327,868
Full-service restaurants	663	22,208,880	34,954,675	64,549,515
Limited-service restaurants	608	17,770,471	29,675,031	64,624,251
All other food and drinking places	452	18,976,390	27,753,420	41,732,396
Automotive repair and maintenance, except car washes	244	16,515,916	17,863,971	25,651,489
Car washes	110	7,836,728	11,568,706	16,575,177
Electronic and precision equipment repair and maintenance	316	27,599,284	37,775,921	56,773,581
Commercial and industrial machinery and equipment repair and maintenance	52	4,389,442	4,709,165	7,198,564
Personal and household goods repair and maintenance	37	1,981,299	4,029,781	5,591,874
Personal care services	252	7,287,731	3,809,674	5,014,478
Death care services	49	1,644,983	1,025,022	1,516,750
Dry-cleaning and laundry services	93	2,913,873	1,645,871	2,289,087
Other personal services	146	4,585,616	5,787,578	8,403,266
Religious organizations	313	20,939,175	9,117,126	27,869,559
Grantmaking, giving, and social advocacy organizations	95	7,542,057	21,171,591	29,514,768
Business and professional associations	32	3,663,221	5,616,836	8,694,470
Labor and civic organizations	66	3,668,790	9,710,233	14,425,893
Private households	116	3,034,044	3,034,044	3,034,044
Postal service	86	8,429,228	8,483,519	8,486,714
Federal electric utilities	0	0	0	0
Other federal government enterprises	6	473,504	1,072,658	2,143,973
State government passenger transit	7	1,329,896	197,614	452,411



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	17,764	10,264	19,208
Local government passenger transit	33	4,220,484	280,528	1,248,749
Local government electric utilities	0	0	0	0
Other local government enterprises	29	3,277,782	-5,412,476	3,618,708
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3,109	657,138,968	799,302,605	1,452,898,899

## Moon to Mars Campaign

**Table 686: Detailed M2M Campaign Impacts by Types of Impact, Maryland**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,519</i>	<i>155,952,609</i>	<i>227,123,393</i>	<i>389,260,761</i>
Oilseed farming	<1	54,189	195,087	237,356
Grain farming	2	75,599	250,623	395,840
Vegetable and melon farming	<1	11,094	21,971	30,372
Fruit farming	<1	3,445	6,175	6,491
Tree nut farming	<1	9	18	21
Greenhouse, nursery, and floriculture production	<1	9,779	19,776	30,638
Tobacco farming	<1	441	641	1,090

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,890	5,317	8,345
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	6,100	17,521	30,824
Dairy cattle and milk production	<1	6,632	15,690	50,783
Poultry and egg production	<1	9,360	24,375	173,041
Animal production, except cattle and poultry and eggs	2	77,957	219,534	242,968
Forestry, forest products, and timber tract production	<1	4,441	4,952	6,300
Commercial logging	<1	3,343	3,609	5,713
Commercial fishing	<1	22,474	12,573	13,766
Commercial hunting and trapping	<1	4,559	2,870	4,226
Support activities for agriculture and forestry	2	47,903	50,259	58,256
Oil and gas extraction	<1	1,864	1,785	145,373
Coal mining	<1	2,084	4,697	8,587
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	772	1,325	2,987
Stone mining and quarrying	<1	4,094	11,473	20,497
Sand and gravel mining	<1	2,949	4,566	8,963
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	372	502	984
Phosphate rock mining	<1	156	251	502
Other chemical and fertilizer mineral mining	<1	82	114	228
Other nonmetallic minerals	<1	1,357	2,125	4,242
Drilling oil and gas wells	<1	<1	2	9
Support activities for oil and gas operations	<1	4	5	31
Metal mining services	<1	49	60	2,451
Other nonmetallic minerals services	<1	18	34	383
Electric power generation - Hydroelectric	<1	698	1,292	2,278

## Appendix

Electric power generation - Fossil fuel	<1	312,902	759,915	1,653,139
Electric power generation - Nuclear	<1	141,105	238,776	449,068
Electric power generation - Solar	<1	12,766	26,517	51,744
Electric power generation - Wind	<1	401	2,023	3,793
Electric power generation - Geothermal	<1	1,892	3,407	5,925
Electric power generation - Biomass	<1	520	1,164	3,064
Electric power generation - All other	<1	10,654	-735	2,262
Electric power transmission and distribution	2	539,321	1,325,769	3,163,314
Natural gas distribution	<1	69,969	178,518	395,278
Water, sewage and other systems	<1	15,989	26,102	42,842
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	2,541	2,598	5,150
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	253,630	518,213	1,041,940
Maintenance and repair construction of residential structures	2	165,689	297,381	599,697
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	126	254	518
Dog and cat food manufacturing	<1	1,686	5,407	22,362
Other animal food manufacturing	<1	4,386	10,648	73,735
Flour milling	<1	48	120	1,047

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	49	98	800
Wet corn milling	<1	11,098	32,481	157,184
Soybean and other oilseed processing	<1	1,056	8,416	60,507
Fats and oils refining and blending	<1	934	3,022	25,213
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	5,388	19,697	59,095
Nonchocolate confectionery manufacturing	<1	3,118	4,844	19,120
Chocolate and confectionery manufacturing from cacao beans	<1	1,588	2,700	7,841
Confectionery manufacturing from purchased chocolate	<1	2,879	4,771	18,861
Frozen fruits, juices and vegetables manufacturing	<1	416	1,091	5,393
Frozen specialties manufacturing	<1	216	322	1,967
Canned fruits and vegetables manufacturing	<1	2,957	6,814	22,091
Canned specialties	<1	26	74	430
Dehydrated food products manufacturing	<1	25	52	273
Cheese manufacturing	<1	2,859	4,387	44,743
Dry, condensed, and evaporated dairy product manufacturing	<1	906	2,632	13,850
Fluid milk manufacturing	<1	12,585	23,603	121,407
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	8,783	14,153	51,433
Frozen cakes and other pastries manufacturing	<1	15,570	23,038	41,526
Poultry processing	<1	13,188	17,880	93,455
Animal, except poultry, slaughtering	<1	7,534	10,113	85,839
Meat processed from carcasses	<1	12,459	13,376	107,390
Rendering and meat byproduct processing	<1	1,818	2,144	12,805
Seafood product preparation and packaging	<1	3,125	4,938	23,534
Bread and bakery product, except frozen, manufacturing	1	49,744	78,388	181,680
Cookie and cracker manufacturing	<1	997	1,641	6,852
Dry pasta, mixes, and dough manufacturing	<1	3,685	10,270	35,197
Tortilla manufacturing	<1	130	187	778

## Appendix

Roasted nuts and peanut butter manufacturing	<1	4,086	6,639	24,490
Other snack food manufacturing	<1	11,019	33,065	90,894
Coffee and tea manufacturing	<1	1,784	3,889	16,635
Flavoring syrup and concentrate manufacturing	<1	2,357	24,359	36,846
Mayonnaise, dressing, and sauce manufacturing	<1	1,504	3,303	12,674
Spice and extract manufacturing	<1	22,608	43,211	170,617
All other food manufacturing	<1	15,354	24,211	99,575
Bottled and canned soft drinks & water	<1	17,016	33,851	139,125
Manufactured ice	<1	2,429	1,940	6,049
Breweries	<1	8,498	19,726	66,034
Wineries	<1	9,843	18,685	63,174
Distilleries	<1	6,360	27,895	63,831
Tobacco product manufacturing	<1	3,359	115,673	166,992
Fiber, yarn, and thread mills	<1	11	17	92
Broadwoven fabric mills	<1	195	343	1,318
Narrow fabric mills and schiffli machine embroidery	<1	152	185	591
Nonwoven fabric mills	<1	1,403	3,009	10,511
Knit fabric mills	<1	154	238	779
Textile and fabric finishing mills	<1	618	937	2,762
Fabric coating mills	<1	70	102	409
Carpet and rug mills	<1	512	894	1,820
Curtain and linen mills	<1	445	664	1,809
Textile bag and canvas mills	<1	2,337	3,808	9,630
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,106	2,249	4,593
Other textile product mills	<1	2,844	3,872	8,577
Hosiery and sock mills	<1	191	309	662
Other apparel knitting mills	<1	194	328	744
Cut and sew apparel contractors	<1	997	1,163	2,751
Men's and boys' cut and sew apparel manufacturing	<1	1,154	1,325	3,767
Women's and girls' cut and sew apparel manufacturing	<1	1,343	1,603	7,416
Other cut and sew apparel manufacturing	<1	643	790	2,598
Apparel accessories and other apparel manufacturing	<1	3,419	3,582	8,374
Leather and hide tanning and finishing	<1	48	57	195
Footwear manufacturing	<1	835	889	2,388
Other leather and allied product manufacturing	<1	732	749	1,444

## Appendix

Sawmills	<1	2,087	3,501	17,286
Wood preservation	<1	420	1,060	5,269
Veneer and plywood manufacturing	<1	219	335	1,430
Engineered wood member and truss manufacturing	<1	5,629	8,578	28,172
Reconstituted wood product manufacturing	<1	133	361	1,783
Wood windows and door manufacturing	<1	341	436	1,437
Cut stock, resawing lumber, and planing	<1	519	942	3,494
Other millwork, including flooring	<1	5,169	7,660	24,325
Wood container and pallet manufacturing	<1	4,691	6,104	18,490
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	94	149	490
All other miscellaneous wood product manufacturing	<1	13,631	17,178	32,674
Pulp mills	0	0	0	0
Paper mills	<1	4,116	4,066	28,248
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	23,442	26,059	146,290
Paper bag and coated and treated paper manufacturing	<1	545	571	2,903
Stationery product manufacturing	<1	256	278	1,704
Sanitary paper product manufacturing	<1	850	1,032	8,549
All other converted paper product manufacturing	<1	189	209	1,161
Printing	2	154,711	251,445	460,186
Support activities for printing	<1	7,888	12,323	18,685
Petroleum refineries	<1	9,889	131,774	651,503
Asphalt paving mixture and block manufacturing	<1	1,118	1,914	8,470
Asphalt shingle and coating materials manufacturing	<1	3,457	17,984	33,444
Petroleum lubricating oil and grease manufacturing	<1	997	3,537	10,292
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	41	590	1,588
Industrial gas manufacturing	<1	6,430	21,079	48,083

## Appendix

Synthetic dye and pigment manufacturing	<1	11	25	63
Other basic inorganic chemical manufacturing	<1	10,271	25,357	59,472
Other basic organic chemical manufacturing	<1	695	1,985	12,494
Plastics material and resin manufacturing	<1	229	593	6,141
Synthetic rubber manufacturing	<1	240	402	2,147
Artificial and synthetic fibers and filaments manufacturing	<1	1,552	2,594	14,138
Nitrogenous fertilizer manufacturing	<1	1,321	5,521	17,350
Phosphatic fertilizer manufacturing	<1	41	129	485
Fertilizer mixing	<1	191	462	1,822
Pesticide and other agricultural chemical manufacturing	<1	5,012	20,471	71,889
Medicinal and botanical manufacturing	<1	61,698	102,253	201,620
Pharmaceutical preparation manufacturing	<1	44,983	140,554	301,060
In-vitro diagnostic substance manufacturing	<1	37,259	56,963	132,431
Biological product (except diagnostic) manufacturing	<1	72,563	211,946	317,027
Paint and coating manufacturing	<1	3,025	7,061	29,287
Adhesive manufacturing	<1	10,501	18,636	62,331
Soap and other detergent manufacturing	<1	258	799	2,426
Polish and other sanitation good manufacturing	<1	6,214	11,339	29,829
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	9,188	30,751	73,201
Printing ink manufacturing	<1	106	125	564
Explosives manufacturing	<1	33	41	153
Custom compounding of purchased resins	<1	98	203	722
Photographic film and chemical manufacturing	<1	2,349	5,469	14,403
Other miscellaneous chemical product manufacturing	<1	3,153	5,835	27,022
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4,940	8,199	29,736
Unlaminated plastics profile shape manufacturing	<1	868	2,008	5,724
Plastics pipe and pipe fitting manufacturing	<1	916	2,696	8,624

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	274	472	1,314
Polystyrene foam product manufacturing	<1	1,776	3,286	11,246
Urethane and other foam product (except polystyrene) manufacturing	<1	2,901	5,157	19,513
Plastics bottle manufacturing	<1	2,015	3,236	14,604
Other plastics product manufacturing	<1	54,426	84,181	223,743
Tire manufacturing	<1	1,974	2,684	10,128
Rubber and plastics hoses and belting manufacturing	<1	70	114	369
Other rubber product manufacturing	<1	2,455	3,186	11,418
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,493	2,576	5,474
Brick, tile, and other structural clay product manufacturing	<1	419	757	1,777
Flat glass manufacturing	<1	11	25	74
Other pressed and blown glass and glassware manufacturing	<1	187	350	1,300
Glass container manufacturing	<1	113	199	523
Glass product manufacturing made of purchased glass	<1	2,171	4,225	10,647
Cement manufacturing	<1	2,766	6,891	17,468
Ready-mix concrete manufacturing	<1	10,761	18,749	58,036
Concrete block and brick manufacturing	<1	3,544	6,755	16,695
Concrete pipe manufacturing	<1	967	1,756	4,738
Other concrete product manufacturing	<1	2,204	3,477	9,089
Lime manufacturing	<1	809	1,856	4,647
Gypsum product manufacturing	<1	8,948	28,264	64,865
Abrasive product manufacturing	<1	882	2,097	3,372
Cut stone and stone product manufacturing	<1	3,101	4,213	9,288
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	148	424	892
Miscellaneous nonmetallic mineral products manufacturing	<1	829	2,055	4,191
Iron and steel mills and ferroalloy manufacturing	<1	1,500	2,498	27,650
Iron, steel pipe and tube manufacturing from purchased steel	<1	487	659	4,421



## Appendix

Rolled steel shape manufacturing	<1	970	1,669	12,395
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	358	424	1,551
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	4,156	5,598	24,140
Other aluminum rolling, drawing and extruding	<1	337	370	1,572
Nonferrous metal (exc aluminum) smelting and refining	<1	27	64	584
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	65	72	410
Secondary processing of other nonferrous metals	<1	1	2	17
Ferrous metal foundries	<1	171	194	711
Nonferrous metal foundries	<1	352	383	1,348
Custom roll forming	<1	708	974	5,899
Crown and closure manufacturing and metal stamping	<1	839	1,049	3,377
Iron and steel forging	<1	1,305	1,728	6,363
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	148	265	652
Handtool manufacturing	<1	54	79	165
Prefabricated metal buildings and components manufacturing	<1	566	770	3,342
Fabricated structural metal manufacturing	<1	7,110	9,927	33,617
Plate work manufacturing	<1	1,819	2,059	6,753
Metal window and door manufacturing	<1	2,869	3,773	10,675
Sheet metal work manufacturing	<1	3,428	4,378	12,345
Ornamental and architectural metal work manufacturing	<1	6,301	7,341	19,202
Power boiler and heat exchanger manufacturing	<1	82	107	346
Metal tank (heavy gauge) manufacturing	<1	265	313	736
Metal cans manufacturing	<1	654	1,122	7,099
Metal barrels, drums and pails manufacturing	<1	47	60	300
Hardware manufacturing	<1	452	619	1,809
Spring and wire product manufacturing	<1	10,592	13,373	43,587

## Appendix

Machine shops	1	91,679	105,807	219,016
Turned product and screw, nut, and bolt manufacturing	<1	673	824	2,279
Metal heat treating	<1	70	89	244
Metal coating and nonprecious engraving	<1	1,075	1,712	4,894
Electroplating, anodizing, and coloring metal	<1	1,258	1,367	3,485
Valve and fittings, other than plumbing, manufacturing	<1	2,039	2,831	8,572
Plumbing fixture fitting and trim manufacturing	<1	147	289	954
Ball and roller bearing manufacturing	<1	23	34	90
Small arms ammunition manufacturing	<1	59	122	269
Ammunition, except for small arms, manufacturing	<1	18	19	35
Small arms, ordnance, and accessories manufacturing	<1	3,487	6,288	13,640
Fabricated pipe and pipe fitting manufacturing	<1	64	77	231
Other fabricated metal manufacturing	<1	28,304	35,374	98,195
Farm machinery and equipment manufacturing	<1	164	245	1,133
Lawn and garden equipment manufacturing	<1	653	936	4,861
Construction machinery manufacturing	<1	80	140	579
Mining machinery and equipment manufacturing	<1	8	10	31
Oil and gas field machinery and equipment manufacturing	<1	6	6	18
Semiconductor machinery manufacturing	<1	20	22	90
Food product machinery manufacturing	<1	1	2	5
Sawmill, woodworking, and paper machinery	<1	452	488	1,354
Printing machinery and equipment manufacturing	<1	9	10	36
All other industrial machinery manufacturing	<1	65	72	241
Optical instrument and lens manufacturing	<1	78	90	264
Photographic and photocopying equipment manufacturing	<1	22	25	84
Other commercial service industry machinery manufacturing	<1	283	349	1,302

## Appendix

Air purification and ventilation equipment manufacturing	<1	199	227	709
Heating equipment (except warm air furnaces) manufacturing	<1	1,393	1,710	4,167
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,616	5,833	19,624
Industrial mold manufacturing	<1	298	321	685
Special tool, die, jig, and fixture manufacturing	<1	126	139	310
Cutting tool and machine tool accessory manufacturing	<1	10	11	46
Machine tool manufacturing	<1	124	137	448
Rolling mill and other metalworking machinery manufacturing	<1	74	83	198
Turbine and turbine generator set units manufacturing	<1	4	5	12
Speed changer, industrial high-speed drive, and gear manufacturing	<1	693	782	2,562
Mechanical power transmission equipment manufacturing	<1	35	39	113
Other engine equipment manufacturing	<1	8,180	12,396	65,604
Pump and pumping equipment manufacturing	<1	160	200	709
Air and gas compressor manufacturing	<1	29	33	103
Elevator and moving stairway manufacturing	<1	7	8	30
Conveyor and conveying equipment manufacturing	<1	239	256	652
Overhead cranes, hoists, and monorail systems manufacturing	<1	6	8	36
Industrial truck, trailer, and stacker manufacturing	<1	13	16	74
Power-driven handtool manufacturing	<1	2,367	3,789	10,079
Welding and soldering equipment manufacturing	<1	31	36	136
Packaging machinery manufacturing	<1	151	174	465
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	25	31	125

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	214	231	750
Electronic computer manufacturing	<1	263	354	1,141
Computer storage device manufacturing	<1	7	10	55
Computer terminals and other computer peripheral equipment manufacturing	<1	3,889	5,357	20,684
Telephone apparatus manufacturing	<1	189	287	757
Broadcast and wireless communications equipment manufacturing	<1	644	815	2,085
Other communications equipment manufacturing	<1	1,724	2,493	7,074
Audio and video equipment manufacturing	<1	152	242	1,277
Printed circuit assembly (electronic assembly) manufacturing	<1	1,067	1,540	7,465
Bare printed circuit board manufacturing	<1	318	380	1,033
Semiconductor and related device manufacturing	<1	499	731	3,190
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	112	135	379
Electronic connector manufacturing	<1	647	801	2,213
Other electronic component manufacturing	<1	2,441	2,918	9,735
Electromedical and electrotherapeutic apparatus manufacturing	<1	212	315	949
Search, detection, and navigation instruments manufacturing	<1	34,724	58,911	125,109
Automatic environmental control manufacturing	<1	597	754	1,860
Industrial process variable instruments manufacturing	<1	98	131	408
Totalizing fluid meter and counting device manufacturing	<1	121	214	517
Electricity and signal testing instruments manufacturing	<1	901	1,053	2,471
Analytical laboratory instrument manufacturing	<1	41,895	61,406	143,097
Irradiation apparatus manufacturing	<1	4	6	21

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	318	430	1,535
Blank magnetic and optical recording media manufacturing	<1	25,946	66,138	205,101
Software and other prerecorded and record reproducing	<1	30,385	39,614	75,314
Electric lamp bulb and part manufacturing	<1	517	549	1,813
Lighting fixture manufacturing	<1	1,227	1,172	4,322
Small electrical appliance manufacturing	<1	326	298	1,418
Household cooking appliance manufacturing	<1	43	36	296
Household refrigerator and home freezer manufacturing	<1	50	45	315
Household laundry equipment manufacturing	<1	159	162	1,024
Other major household appliance manufacturing	<1	21	20	138
Power, distribution, and specialty transformer manufacturing	<1	32	34	153
Motor and generator manufacturing	<1	18	20	64
Switchgear and switchboard apparatus manufacturing	<1	1,863	1,979	9,775
Relay and industrial control manufacturing	<1	152	159	573
Storage battery manufacturing	<1	6,243	6,417	21,783
Primary battery manufacturing	<1	1,854	-2,531	4,430
Fiber optic cable manufacturing	<1	3,741	3,919	13,868
Other communication and energy wire manufacturing	<1	365	371	1,631
Wiring device manufacturing	<1	287	297	1,182
Carbon and graphite product manufacturing	<1	3,530	3,726	15,135
All other miscellaneous electrical equipment and component manufacturing	<1	86	90	261
Automobile manufacturing	<1	206	351	3,151
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	42	63	347
Motor vehicle body manufacturing	<1	68	77	297
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	459	500	3,065

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	3	4	17
Motor vehicle electrical and electronic equipment manufacturing	<1	463	810	2,749
Motor vehicle transmission and power train parts manufacturing	<1	4,258	4,938	21,863
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	4,123	4,603	23,491
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	567	688	3,126
Aircraft manufacturing	<1	95	215	471
Aircraft engine and engine parts manufacturing	<1	147	574	950
Other aircraft parts and auxiliary equipment manufacturing	<1	2,156	3,828	6,093
Guided missile and space vehicle manufacturing	<1	3	8	12
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	6	12	18
Railroad rolling stock manufacturing	<1	11	13	50
Ship building and repairing	<1	301	537	1,110
Boat building	<1	795	1,610	4,121
Motorcycle, bicycle, and parts manufacturing	<1	111	685	1,108
Military armored vehicle, tank, and tank component manufacturing	<1	3,149	11,634	21,778
All other transportation equipment manufacturing	<1	108	353	863
Wood kitchen cabinet and countertop manufacturing	<1	3,706	4,804	12,833
Upholstered household furniture manufacturing	<1	558	628	2,107
Nonupholstered wood household furniture manufacturing	<1	171	201	476
Other household nonupholstered furniture manufacturing	<1	248	421	1,695
Institutional furniture manufacturing	<1	84	89	303
Wood office furniture manufacturing	<1	<1	<1	3

## Appendix

Custom architectural woodwork and millwork	<1	254	254	666
Office furniture, except wood, manufacturing	<1	124	198	717
Showcase, partition, shelving, and locker manufacturing	<1	253	342	849
Mattress manufacturing	<1	2,638	4,833	20,970
Blind and shade manufacturing	<1	1,389	1,420	5,382
Surgical and medical instrument manufacturing	<1	4,020	9,603	16,616
Surgical appliance and supplies manufacturing	<1	2,541	8,339	13,525
Dental equipment and supplies manufacturing	<1	5,471	10,829	21,667
Ophthalmic goods manufacturing	<1	829	2,816	5,378
Dental laboratories	<1	2,279	3,072	5,567
Jewelry and silverware manufacturing	<1	4,353	9,652	23,572
Sporting and athletic goods manufacturing	<1	492	1,064	2,503
Doll, toy, and game manufacturing	<1	1,640	5,855	14,239
Office supplies (except paper) manufacturing	<1	505	1,176	2,347
Sign manufacturing	<1	8,657	8,805	20,189
Gasket, packing, and sealing device manufacturing	<1	475	636	1,542
Musical instrument manufacturing	<1	2,760	3,634	7,889
Fasteners, buttons, needles, and pins manufacturing	<1	864	1,279	3,801
Broom, brush, and mop manufacturing	<1	5,190	12,852	23,685
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	3,919	7,554	15,518
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	78,957	180,208	428,379
Wholesale - Professional and commercial equipment and supplies	3	476,946	767,188	1,307,313
Wholesale - Household appliances and electrical and electronic goods	1	133,011	321,020	690,554
Wholesale - Machinery, equipment, and supplies	1	104,461	211,786	379,814
Wholesale - Other durable goods merchant wholesalers	3	325,961	619,694	1,254,313

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	142,223	333,482	683,108
Wholesale - Grocery and related product wholesalers	3	274,756	410,711	869,020
Wholesale - Petroleum and petroleum products	<1	19,350	543,297	598,023
Wholesale - Other nondurable goods merchant wholesalers	4	399,957	1,077,701	1,901,406
Wholesale - Wholesale electronic markets and agents and brokers	2	309,124	347,211	402,682
Retail - Motor vehicle and parts dealers	4	374,667	545,074	745,044
Retail - Furniture and home furnishings stores	3	180,691	261,350	420,915
Retail - Electronics and appliance stores	3	194,318	187,523	297,582
Retail - Building material and garden equipment and supplies stores	4	205,385	403,713	556,309
Retail - Food and beverage stores	16	699,812	1,009,889	1,585,255
Retail - Health and personal care stores	7	357,763	462,606	680,190
Retail - Gasoline stores	3	130,546	288,374	516,277
Retail - Clothing and clothing accessories stores	7	216,392	393,036	811,339
Retail - Sporting goods, hobby, musical instrument and book stores	4	150,133	212,641	338,868
Retail - General merchandise stores	11	445,591	749,962	1,195,297
Retail - Miscellaneous store retailers	9	300,010	326,551	523,738
Retail - Nonstore retailers	12	243,075	1,518,083	2,596,507
Air transportation	2	266,837	567,341	1,042,095
Rail transportation	<1	76,514	128,604	306,139
Water transportation	<1	58,424	141,928	394,866
Truck transportation	7	525,391	742,170	1,577,035
Transit and ground passenger transportation	17	394,711	481,980	743,370
Pipeline transportation	<1	12,368	37,992	60,797
Scenic and sightseeing transportation and support activities for transportation	9	630,535	480,201	831,920
Couriers and messengers	15	345,738	651,469	828,645
Warehousing and storage	9	446,195	479,254	948,107
Newspaper publishers	<1	50,741	135,281	161,109
Periodical publishers	1	188,452	423,041	540,829
Book publishers	<1	46,210	239,969	382,227



## Appendix

Directory, mailing list, and other publishers	<1	11,676	50,359	76,344
Greeting card publishing	<1	765	4,916	6,718
Software publishers	3	585,426	1,798,291	2,129,190
Motion picture and video industries	2	89,851	144,989	406,745
Sound recording industries	<1	9,967	66,740	127,021
Radio and television broadcasting	1	528,498	799,911	1,223,085
Cable and other subscription programming	<1	137,317	857,421	1,303,602
Wired telecommunications carriers	2	232,764	757,012	1,158,587
Wireless telecommunications carriers (except satellite)	<1	56,183	869,128	1,446,942
Satellite, telecommunications resellers, and all other telecommunications	<1	50,583	62,427	134,268
Data processing, hosting, and related services	4	518,637	849,640	2,479,710
News syndicates, libraries, archives and all other information services	<1	44,250	64,004	130,312
Internet publishing and broadcasting and web search portals	2	241,568	546,098	2,380,165
Nondepository credit intermediation and related activities	5	679,152	724,951	1,062,867
Securities and commodity contracts intermediation and brokerage	8	943,405	858,305	1,325,524
Monetary authorities and depository credit intermediation	9	1,028,504	2,805,130	4,352,987
Other financial investment activities	14	1,391,020	1,649,134	3,150,998
Direct life insurance carriers	<1	113,441	235,037	319,397
Insurance carriers, except direct life	5	573,375	1,820,668	3,458,719
Insurance agencies, brokerages, and related activities	6	579,732	903,439	1,993,085
Funds, trusts, and other financial vehicles	4	195,544	400,284	1,108,576
Other real estate	69	2,793,222	7,833,082	16,445,711
Tenant-occupied housing	7	280,692	2,678,875	2,855,389
Owner-occupied dwellings	0	0	10,540,358	12,720,467
Automotive equipment rental and leasing	1	141,378	645,504	704,289

## Appendix

General and consumer goods rental except video tapes and discs	1	109,939	206,623	270,543
Video tape and disc rental	<1	30,821	50,925	81,401
Commercial and industrial machinery and equipment rental and leasing	<1	122,717	469,531	531,687
Lessors of nonfinancial intangible assets	<1	14,359	654,154	683,928
Legal services	16	1,827,627	3,734,829	4,794,784
Accounting, tax preparation, bookkeeping, and payroll services	8	803,187	1,114,826	1,614,572
Architectural, engineering, and related services	10	1,011,712	1,152,518	1,945,331
Specialized design services	1	90,144	175,938	290,109
Custom computer programming services	3	343,030	362,863	477,026
Computer systems design services	6	756,090	733,622	913,780
Other computer related services, including facilities management	2	212,007	305,029	530,691
Management consulting services	48	5,828,209	6,067,354	9,091,227
Environmental and other technical consulting services	4	485,580	559,338	840,420
Scientific research and development services	373	48,038,822	59,036,689	104,180,185
Advertising, public relations, and related services	6	458,093	812,103	1,673,976
Photographic services	<1	19,894	61,162	115,373
Veterinary services	2	119,065	140,314	207,822
Marketing research and all other miscellaneous professional, scientific, and technical services	27	2,991,553	6,389,164	10,833,197
Management of companies and enterprises	21	3,277,672	3,678,979	5,642,544
Office administrative services	11	932,476	404,191	967,213
Facilities support services	4	307,697	420,240	885,757
Employment services	48	3,283,329	4,652,584	6,924,545
Business support services	4	214,473	191,874	327,776
Travel arrangement and reservation services	1	103,517	168,958	477,457
Investigation and security services	7	355,004	363,768	516,970
Services to buildings	11	436,562	634,753	1,264,212
Landscape and horticultural services	6	329,810	411,888	741,701
Other support services	2	139,206	180,504	357,772
Waste management and remediation services	2	190,308	300,995	622,819

## Appendix

Elementary and secondary schools	8	507,505	398,857	475,659
Junior colleges, colleges, universities, and professional schools	17	1,208,642	1,497,090	1,881,748
Other educational services	6	325,844	365,776	650,659
Offices of physicians	23	2,467,271	2,490,759	3,624,489
Offices of dentists	6	456,354	546,381	733,257
Offices of other health practitioners	6	379,564	575,577	719,990
Outpatient care centers	8	645,470	639,267	1,013,043
Medical and diagnostic laboratories	2	203,000	328,597	442,409
Home health care services	12	586,983	585,986	759,926
Other ambulatory health care services	2	182,169	215,036	313,968
Hospitals	39	3,630,317	4,379,696	8,028,410
Nursing and community care facilities	10	633,714	677,763	1,041,765
Residential mental retardation, mental health, substance abuse and other facilities	6	358,933	370,190	530,739
Individual and family services	15	651,049	572,057	754,335
Child day care services	8	285,795	405,374	530,355
Community food, housing, and other relief services, including rehabilitation services	5	260,911	246,709	489,161
Performing arts companies	2	59,592	137,404	252,325
Commercial Sports Except Racing	6	181,510	204,142	365,729
Racing and Track Operation	<1	20,724	42,079	67,938
Independent artists, writers, and performers	2	41,290	178,642	254,812
Promoters of performing arts and sports and agents for public figures	2	44,169	160,686	329,720
Museums, historical sites, zoos, and parks	<1	29,880	37,763	61,759
Amusement parks and arcades	<1	11,181	38,119	42,087
Gambling industries (except casino hotels)	3	131,165	571,453	698,599
Other amusement and recreation industries	3	146,504	200,342	248,131
Fitness and recreational sports centers	3	79,248	153,582	205,730
Bowling centers	<1	11,664	23,246	31,730
Hotels and motels, including casino hotels	3	180,395	358,932	495,467
Other accommodations	1	83,393	102,631	126,133

## Appendix

Full-service restaurants	28	976,225	1,531,847	2,802,304
Limited-service restaurants	27	809,903	1,347,142	2,878,081
All other food and drinking places	20	862,095	1,247,637	1,848,697
Automotive repair and maintenance, except car washes	11	771,499	811,202	1,163,261
Car washes	5	353,130	520,815	743,109
Electronic and precision equipment repair and maintenance	9	912,627	1,218,996	1,743,859
Commercial and industrial machinery and equipment repair and maintenance	2	190,211	202,432	305,483
Personal and household goods repair and maintenance	2	96,540	184,738	258,359
Personal care services	11	338,787	159,925	214,264
Death care services	2	81,033	46,339	69,486
Dry-cleaning and laundry services	4	131,433	67,558	95,402
Other personal services	7	213,250	261,786	380,465
Religious organizations	17	1,130,523	430,498	1,415,238
Grantmaking, giving, and social advocacy organizations	4	322,888	791,501	1,122,524
Business and professional associations	1	178,471	249,111	387,184
Labor and civic organizations	3	197,930	457,245	695,757
Private households	5	145,358	145,358	145,358
Postal service	4	354,901	357,280	357,413
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	23,900	60,735	111,534
State government passenger transit	<1	102,446	7,811	31,621
State government electric utilities	0	0	0	0
Other state government enterprises	<1	535	290	536
Local government passenger transit	1	192,086	7,782	45,742
Local government electric utilities	0	0	0	0
Other local government enterprises	1	146,914	-203,535	146,624
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	180	37,510,132	46,677,231	83,791,462

## Investments in Climate Change Research and Technology

**Table 687: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>5,471</i>	<i>515,392,938</i>	<i>765,539,778</i>	<i>1,349,722,572</i>
Oilseed farming	<1	110,099	313,566	363,960
Grain farming	5	265,565	595,568	1,311,841
Vegetable and melon farming	<1	40,487	75,006	107,689
Fruit farming	<1	10,333	18,109	19,995
Tree nut farming	<1	23	42	49
Greenhouse, nursery, and floriculture production	1	41,546	78,401	125,740
Tobacco farming	<1	598	857	1,340
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	15,208	25,833	41,967
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	1	41,363	91,209	174,921
Dairy cattle and milk production	<1	22,110	46,103	171,285
Poultry and egg production	2	47,314	106,648	894,669
Animal production, except cattle and poultry and eggs	7	369,134	794,624	889,867
Forestry, forest products, and timber tract production	<1	14,221	15,899	21,458

## Appendix

Commercial logging	<1	19,531	20,873	34,803
Commercial fishing	2	15,906	46,985	51,981
Commercial hunting and trapping	<1	9,559	11,517	17,983
Support activities for agriculture and forestry	6	226,935	234,508	267,742
Oil and gas extraction	<1	19,336	12,383	870,057
Coal mining	<1	21,592	48,163	88,698
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	3,834	6,626	15,173
Stone mining and quarrying	<1	18,752	59,771	105,303
Sand and gravel mining	<1	13,600	22,017	44,168
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	1,383	1,909	3,837
Phosphate rock mining	<1	537	891	1,818
Other chemical and fertilizer mineral mining	<1	295	409	857
Other nonmetallic minerals	<1	5,331	8,593	16,960
Drilling oil and gas wells	<1	5	18	68
Support activities for oil and gas operations	<1	28	36	203
Metal mining services	<1	449	498	18,474
Other nonmetallic minerals services	<1	148	232	2,385
Electric power generation - Hydroelectric	<1	2,081	3,879	6,863
Electric power generation - Fossil fuel	3	929,125	2,632,705	5,750,441
Electric power generation - Nuclear	1	441,920	772,591	1,494,642
Electric power generation - Solar	<1	40,876	87,216	173,617
Electric power generation - Wind	<1	2,975	16,065	31,036
Electric power generation - Geothermal	<1	2,807	5,068	8,690
Electric power generation - Biomass	<1	1,421	3,122	7,906
Electric power generation - All other	<1	34,916	-9,247	11,758
Electric power transmission and distribution	9	1,968,070	5,257,633	12,717,801

## Appendix

Natural gas distribution	1	212,513	560,500	1,280,920
Water, sewage and other systems	<1	61,185	106,301	183,855
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	41	3,081,015	3,226,227	6,399,348
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	14	967,693	1,910,269	4,027,618
Maintenance and repair construction of residential structures	9	578,947	1,004,858	2,122,913
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	465	912	1,936
Dog and cat food manufacturing	<1	6,643	20,472	90,027
Other animal food manufacturing	<1	19,503	44,366	321,275
Flour milling	<1	255	625	5,319
Rice milling	0	0	0	0
Malt manufacturing	<1	130	256	2,054
Wet corn milling	<1	52,446	131,428	772,427
Soybean and other oilseed processing	<1	3,694	29,156	216,734
Fats and oils refining and blending	<1	3,398	10,731	86,470
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	18,224	59,914	199,320
Nonchocolate confectionery manufacturing	<1	10,231	15,880	67,799

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	2,898	4,870	15,001
Confectionery manufacturing from purchased chocolate	<1	10,661	16,893	67,898
Frozen fruits, juices and vegetables manufacturing	<1	1,486	3,604	20,014
Frozen specialties manufacturing	<1	860	1,293	7,907
Canned fruits and vegetables manufacturing	<1	9,264	20,602	67,945
Canned specialties	<1	114	316	1,809
Dehydrated food products manufacturing	<1	62	133	693
Cheese manufacturing	<1	6,938	10,754	108,301
Dry, condensed, and evaporated dairy product manufacturing	<1	3,348	9,631	52,570
Fluid milk manufacturing	<1	39,749	70,671	378,125
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	31,158	48,720	188,142
Frozen cakes and other pastries manufacturing	1	58,941	87,165	161,018
Poultry processing	1	78,930	101,431	528,728
Animal, except poultry, slaughtering	<1	37,139	48,461	400,073
Meat processed from carcasses	<1	46,122	48,960	395,944
Rendering and meat byproduct processing	<1	7,738	8,916	51,997
Seafood product preparation and packaging	<1	13,449	20,094	107,374
Bread and bakery product, except frozen, manufacturing	4	189,474	294,235	686,874
Cookie and cracker manufacturing	<1	2,927	4,500	21,983
Dry pasta, mixes, and dough manufacturing	<1	11,452	31,536	104,642
Tortilla manufacturing	<1	603	876	3,648
Roasted nuts and peanut butter manufacturing	<1	13,837	21,490	83,381
Other snack food manufacturing	<1	42,702	126,562	363,095
Coffee and tea manufacturing	<1	6,743	13,929	61,735
Flavoring syrup and concentrate manufacturing	<1	9,692	93,724	149,475
Mayonnaise, dressing, and sauce manufacturing	<1	6,065	13,520	50,469
Spice and extract manufacturing	<1	69,686	127,068	508,024
All other food manufacturing	<1	48,187	74,865	309,092
Bottled and canned soft drinks & water	<1	75,703	145,126	602,132
Manufactured ice	<1	9,020	6,909	24,151



## Appendix

Breweries	<1	30,019	64,833	220,976
Wineries	<1	26,100	49,303	173,477
Distilleries	<1	31,634	111,592	269,316
Tobacco product manufacturing	<1	13,512	309,354	507,579
Fiber, yarn, and thread mills	<1	39	59	358
Broadwoven fabric mills	<1	899	1,479	6,169
Narrow fabric mills and schiffli machine embroidery	<1	684	814	2,655
Nonwoven fabric mills	<1	3,053	6,207	24,855
Knit fabric mills	<1	252	389	1,288
Textile and fabric finishing mills	<1	1,360	2,034	6,314
Fabric coating mills	<1	185	271	1,209
Carpet and rug mills	<1	2,115	3,473	8,068
Curtain and linen mills	<1	1,587	2,273	6,830
Textile bag and canvas mills	<1	9,648	15,038	40,727
Rope, cordage, twine, tire cord and tire fabric mills	<1	6,637	11,721	27,436
Other textile product mills	<1	11,350	14,919	35,694
Hosiery and sock mills	<1	668	1,054	2,585
Other apparel knitting mills	<1	792	1,298	3,329
Cut and sew apparel contractors	<1	3,578	4,161	10,342
Men's and boys' cut and sew apparel manufacturing	<1	2,978	3,338	10,699
Women's and girls' cut and sew apparel manufacturing	<1	3,476	3,763	21,472
Other cut and sew apparel manufacturing	<1	1,651	1,965	7,309
Apparel accessories and other apparel manufacturing	<1	10,549	10,469	29,440
Leather and hide tanning and finishing	<1	258	255	1,004
Footwear manufacturing	<1	3,606	3,750	12,142
Other leather and allied product manufacturing	<1	2,895	2,826	5,977
Sawmills	<1	14,846	25,381	122,865
Wood preservation	<1	3,443	8,851	42,049
Veneer and plywood manufacturing	<1	2,217	3,402	14,130
Engineered wood member and truss manufacturing	<1	43,855	68,169	221,180
Reconstituted wood product manufacturing	<1	1,516	4,081	19,906
Wood windows and door manufacturing	<1	2,085	2,717	9,087
Cut stock, resawing lumber, and planing	<1	2,818	5,438	19,168

Appendix

Other millwork, including flooring	<1	28,789	44,577	141,223
Wood container and pallet manufacturing	<1	17,822	23,738	72,268
Manufactured home (mobile home) manufacturing	<1	<1	1	3
Prefabricated wood building manufacturing	<1	800	1,296	4,254
All other miscellaneous wood product manufacturing	<1	43,497	59,982	119,857
Pulp mills	0	0	0	0
Paper mills	<1	17,031	21,649	127,381
Paperboard mills	0	0	0	0
Paperboard container manufacturing	1	93,556	107,307	586,974
Paper bag and coated and treated paper manufacturing	<1	2,130	2,413	12,558
Stationery product manufacturing	<1	885	998	6,533
Sanitary paper product manufacturing	<1	4,388	5,582	42,679
All other converted paper product manufacturing	<1	686	811	4,320
Printing	9	580,651	906,694	1,788,508
Support activities for printing	<1	23,452	35,976	56,894
Petroleum refineries	<1	51,275	590,431	3,156,288
Asphalt paving mixture and block manufacturing	<1	5,991	9,765	46,444
Asphalt shingle and coating materials manufacturing	<1	17,057	76,284	155,940
Petroleum lubricating oil and grease manufacturing	<1	3,582	12,536	39,988
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	535	6,125	19,286
Industrial gas manufacturing	<1	30,755	87,833	213,095
Synthetic dye and pigment manufacturing	<1	39	74	186
Other basic inorganic chemical manufacturing	<1	49,944	104,974	261,571
Other basic organic chemical manufacturing	<1	4,295	10,734	68,732
Plastics material and resin manufacturing	<1	1,381	3,040	32,427
Synthetic rubber manufacturing	<1	1,673	2,602	13,173
Artificial and synthetic fibers and filaments manufacturing	<1	4,288	7,087	39,208
Nitrogenous fertilizer manufacturing	<1	3,825	14,581	57,587

Appendix

Phosphatic fertilizer manufacturing	<1	254	697	2,706
Fertilizer mixing	<1	942	2,025	8,638
Pesticide and other agricultural chemical manufacturing	<1	25,523	90,226	327,242
Medicinal and botanical manufacturing	<1	131,173	208,142	459,243
Pharmaceutical preparation manufacturing	1	142,112	376,669	901,203
In-vitro diagnostic substance manufacturing	<1	66,358	100,425	236,313
Biological product (except diagnostic) manufacturing	<1	136,864	411,883	661,648
Paint and coating manufacturing	<1	16,056	32,900	140,792
Adhesive manufacturing	<1	33,921	55,886	198,857
Soap and other detergent manufacturing	<1	792	2,245	7,988
Polish and other sanitation good manufacturing	<1	21,586	36,349	102,425
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	31,898	92,250	235,696
Printing ink manufacturing	<1	391	461	2,072
Explosives manufacturing	<1	132	159	574
Custom compounding of purchased resins	<1	514	878	3,581
Photographic film and chemical manufacturing	<1	7,361	16,565	47,219
Other miscellaneous chemical product manufacturing	<1	16,707	28,432	130,606
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	19,494	32,176	122,731
Unlaminated plastics profile shape manufacturing	<1	3,545	8,189	24,558
Plastics pipe and pipe fitting manufacturing	<1	4,760	13,591	43,516
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,063	1,795	5,197
Polystyrene foam product manufacturing	<1	8,189	14,701	52,783
Urethane and other foam product (except polystyrene) manufacturing	<1	12,947	22,538	89,254
Plastics bottle manufacturing	<1	7,060	11,307	53,222
Other plastics product manufacturing	2	227,215	339,075	955,313
Tire manufacturing	<1	7,445	9,560	38,555

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	381	611	1,994
Other rubber product manufacturing	<1	9,969	12,842	45,412
Pottery, ceramics, and plumbing fixture manufacturing	<1	6,499	11,074	23,528
Brick, tile, and other structural clay product manufacturing	<1	2,504	4,752	10,828
Flat glass manufacturing	<1	59	134	404
Other pressed and blown glass and glassware manufacturing	<1	846	1,559	5,847
Glass container manufacturing	<1	453	787	2,062
Glass product manufacturing made of purchased glass	<1	11,256	22,786	55,578
Cement manufacturing	<1	17,244	45,145	111,774
Ready-mix concrete manufacturing	<1	77,115	139,891	422,377
Concrete block and brick manufacturing	<1	20,986	42,007	101,720
Concrete pipe manufacturing	<1	21,500	39,819	101,766
Other concrete product manufacturing	<1	22,259	36,441	91,439
Lime manufacturing	<1	4,568	11,521	27,110
Gypsum product manufacturing	<1	22,366	74,459	167,806
Abrasive product manufacturing	<1	3,704	9,133	14,456
Cut stone and stone product manufacturing	<1	13,011	18,059	39,398
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	681	2,127	4,486
Miscellaneous nonmetallic mineral products manufacturing	<1	7,181	19,593	40,059
Iron and steel mills and ferroalloy manufacturing	<1	7,480	12,753	143,007
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,269	3,196	21,228
Rolled steel shape manufacturing	<1	4,577	8,246	57,579
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	1,418	1,697	6,098
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	10,300	14,018	59,657
Other aluminum rolling, drawing and extruding	<1	936	1,071	4,520
Nonferrous metal (exc aluminum) smelting and refining	<1	118	342	2,807

Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	300	339	1,931
Secondary processing of other nonferrous metals	<1	4	6	60
Ferrous metal foundries	<1	729	853	3,077
Nonferrous metal foundries	<1	1,094	1,218	4,344
Custom roll forming	<1	4,049	5,549	33,045
Crown and closure manufacturing and metal stamping	<1	3,446	4,292	14,223
Iron and steel forging	<1	1,103	1,430	5,725
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	389	722	1,906
Handtool manufacturing	<1	196	282	618
Prefabricated metal buildings and components manufacturing	<1	6,852	9,769	40,898
Fabricated structural metal manufacturing	<1	30,919	42,518	147,024
Plate work manufacturing	<1	5,661	6,343	21,739
Metal window and door manufacturing	<1	15,142	19,685	58,771
Sheet metal work manufacturing	<1	18,974	24,396	72,330
Ornamental and architectural metal work manufacturing	<1	40,201	47,198	128,139
Power boiler and heat exchanger manufacturing	<1	381	490	1,606
Metal tank (heavy gauge) manufacturing	<1	983	1,146	2,872
Metal cans manufacturing	<1	2,627	4,445	28,427
Metal barrels, drums and pails manufacturing	<1	197	249	1,268
Hardware manufacturing	<1	1,925	2,637	8,041
Spring and wire product manufacturing	<1	21,774	27,246	89,377
Machine shops	1	90,150	103,173	215,263
Turned product and screw, nut, and bolt manufacturing	<1	2,928	3,582	10,203
Metal heat treating	<1	411	512	1,403
Metal coating and nonprecious engraving	<1	6,856	10,671	31,136
Electroplating, anodizing, and coloring metal	<1	6,073	6,580	16,946
Valve and fittings, other than plumbing, manufacturing	<1	11,088	15,115	45,558
Plumbing fixture fitting and trim manufacturing	<1	799	1,599	5,186

## Appendix

Ball and roller bearing manufacturing	<1	72	106	280
Small arms ammunition manufacturing	<1	230	449	1,064
Ammunition, except for small arms, manufacturing	<1	102	112	205
Small arms, ordnance, and accessories manufacturing	<1	13,274	23,953	56,453
Fabricated pipe and pipe fitting manufacturing	<1	388	467	1,400
Other fabricated metal manufacturing	<1	51,730	65,620	186,863
Farm machinery and equipment manufacturing	<1	903	1,309	6,371
Lawn and garden equipment manufacturing	<1	2,187	3,071	16,780
Construction machinery manufacturing	<1	270	447	2,102
Mining machinery and equipment manufacturing	<1	54	64	208
Oil and gas field machinery and equipment manufacturing	<1	51	59	160
Semiconductor machinery manufacturing	<1	99	109	442
Food product machinery manufacturing	<1	5	6	16
Sawmill, woodworking, and paper machinery	<1	1,476	1,595	4,679
Printing machinery and equipment manufacturing	<1	42	45	158
All other industrial machinery manufacturing	<1	269	302	973
Optical instrument and lens manufacturing	<1	389	470	1,372
Photographic and photocopying equipment manufacturing	<1	83	90	317
Other commercial service industry machinery manufacturing	<1	1,440	1,806	6,610
Air purification and ventilation equipment manufacturing	<1	967	1,103	3,546
Heating equipment (except warm air furnaces) manufacturing	<1	4,824	5,900	15,215
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	25,302	33,723	115,683
Industrial mold manufacturing	<1	821	894	2,019
Special tool, die, jig, and fixture manufacturing	<1	365	411	947

Appendix

Cutting tool and machine tool accessory manufacturing	<1	32	35	149
Machine tool manufacturing	<1	345	385	1,279
Rolling mill and other metalworking machinery manufacturing	<1	256	293	724
Turbine and turbine generator set units manufacturing	<1	25	25	69
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2,543	3,039	10,378
Mechanical power transmission equipment manufacturing	<1	144	170	492
Other engine equipment manufacturing	<1	35,960	59,096	311,992
Pump and pumping equipment manufacturing	<1	761	978	3,432
Air and gas compressor manufacturing	<1	111	129	402
Elevator and moving stairway manufacturing	<1	34	38	149
Conveyor and conveying equipment manufacturing	<1	892	957	2,526
Overhead cranes, hoists, and monorail systems manufacturing	<1	47	62	270
Industrial truck, trailer, and stacker manufacturing	<1	56	73	336
Power-driven handtool manufacturing	<1	4,239	7,424	19,586
Welding and soldering equipment manufacturing	<1	92	112	479
Packaging machinery manufacturing	<1	465	548	1,472
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	148	184	761
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	892	987	3,273
Electronic computer manufacturing	<1	715	934	3,437
Computer storage device manufacturing	<1	21	30	169
Computer terminals and other computer peripheral equipment manufacturing	<1	75,165	108,872	368,875
Telephone apparatus manufacturing	<1	1,888	2,675	7,170

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	3,646	4,469	11,980
Other communications equipment manufacturing	<1	13,201	18,529	51,940
Audio and video equipment manufacturing	<1	313	484	3,002
Printed circuit assembly (electronic assembly) manufacturing	<1	3,418	4,734	23,944
Bare printed circuit board manufacturing	<1	6,408	7,337	18,103
Semiconductor and related device manufacturing	<1	1,917	2,737	12,627
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	983	1,142	3,487
Electronic connector manufacturing	<1	2,537	3,068	8,770
Other electronic component manufacturing	<1	7,842	9,163	31,299
Electromedical and electrotherapeutic apparatus manufacturing	<1	576	805	2,575
Search, detection, and navigation instruments manufacturing	<1	131,226	189,440	481,898
Automatic environmental control manufacturing	<1	915	1,139	2,909
Industrial process variable instruments manufacturing	<1	532	694	2,225
Totalizing fluid meter and counting device manufacturing	<1	762	1,254	3,303
Electricity and signal testing instruments manufacturing	<1	10,798	12,489	30,866
Analytical laboratory instrument manufacturing	6	915,305	1,337,528	3,189,594
Irradiation apparatus manufacturing	<1	9	14	51
Watch, clock, and other measuring and controlling device manufacturing	<1	1,882	2,464	10,132
Blank magnetic and optical recording media manufacturing	<1	52,485	143,253	471,520
Software and other prerecorded and record reproducing	<1	53,347	69,295	142,360
Electric lamp bulb and part manufacturing	<1	1,589	1,671	5,682
Lighting fixture manufacturing	<1	3,931	3,667	14,607
Small electrical appliance manufacturing	<1	1,075	977	4,862



## Appendix

Household cooking appliance manufacturing	<1	143	112	996
Household refrigerator and home freezer manufacturing	<1	174	138	1,064
Household laundry equipment manufacturing	<1	546	517	3,524
Other major household appliance manufacturing	<1	73	55	435
Power, distribution, and specialty transformer manufacturing	<1	78	86	391
Motor and generator manufacturing	<1	85	87	291
Switchgear and switchboard apparatus manufacturing	<1	4,835	5,186	26,340
Relay and industrial control manufacturing	<1	668	693	2,666
Storage battery manufacturing	<1	18,690	19,593	70,687
Primary battery manufacturing	<1	5,395	-5,237	12,500
Fiber optic cable manufacturing	<1	9,006	9,584	35,459
Other communication and energy wire manufacturing	<1	1,534	1,483	6,875
Wiring device manufacturing	<1	1,933	1,902	7,946
Carbon and graphite product manufacturing	<1	12,971	14,079	56,802
All other miscellaneous electrical equipment and component manufacturing	<1	78,373	82,488	239,041
Automobile manufacturing	<1	958	2,149	17,121
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	185	271	1,707
Motor vehicle body manufacturing	<1	309	355	1,303
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,755	3,106	18,419
Motor vehicle gasoline engine and engine parts manufacturing	<1	14	17	72
Motor vehicle electrical and electronic equipment manufacturing	<1	2,320	4,083	14,967
Motor vehicle transmission and power train parts manufacturing	<1	11,228	13,641	66,260
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	19,648	22,978	115,033

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,091	2,426	11,528
Aircraft manufacturing	<1	690	1,735	3,604
Aircraft engine and engine parts manufacturing	<1	1,277	4,771	8,074
Other aircraft parts and auxiliary equipment manufacturing	<1	1,066	1,991	3,272
Guided missile and space vehicle manufacturing	<1	21	51	76
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,275	2,312	3,523
Railroad rolling stock manufacturing	<1	42	51	195
Ship building and repairing	<1	1,508	2,733	5,609
Boat building	<1	5,987	12,381	32,183
Motorcycle, bicycle, and parts manufacturing	<1	570	4,467	6,404
Military armored vehicle, tank, and tank component manufacturing	<1	16,263	63,299	121,469
All other transportation equipment manufacturing	<1	729	2,577	6,228
Wood kitchen cabinet and countertop manufacturing	<1	22,089	29,416	79,510
Upholstered household furniture manufacturing	<1	1,883	2,114	7,021
Nonupholstered wood household furniture manufacturing	<1	616	722	1,762
Other household nonupholstered furniture manufacturing	<1	910	1,561	6,923
Institutional furniture manufacturing	<1	323	352	1,271
Wood office furniture manufacturing	<1	6	7	24
Custom architectural woodwork and millwork	<1	1,203	1,184	3,254
Office furniture, except wood, manufacturing	<1	501	899	3,065
Showcase, partition, shelving, and locker manufacturing	<1	1,225	1,734	4,351
Mattress manufacturing	<1	10,933	19,774	88,818
Blind and shade manufacturing	<1	6,153	6,238	23,904
Surgical and medical instrument manufacturing	<1	13,599	31,001	57,711
Surgical appliance and supplies manufacturing	<1	8,682	27,114	46,700

## Appendix

Dental equipment and supplies manufacturing	<1	409	1,055	1,860
Ophthalmic goods manufacturing	<1	3,966	12,943	25,297
Dental laboratories	<1	7,595	10,110	18,466
Jewelry and silverware manufacturing	<1	18,452	39,110	97,482
Sporting and athletic goods manufacturing	<1	1,869	3,897	9,700
Doll, toy, and game manufacturing	<1	4,957	16,220	43,909
Office supplies (except paper) manufacturing	<1	2,158	4,847	11,001
Sign manufacturing	<1	39,646	39,616	93,375
Gasket, packing, and sealing device manufacturing	<1	2,128	2,799	6,946
Musical instrument manufacturing	<1	5,616	7,146	16,098
Fasteners, buttons, needles, and pins manufacturing	<1	2,608	3,762	11,056
Broom, brush, and mop manufacturing	<1	11,100	24,873	51,295
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	15,483	29,035	63,055
Wholesale - Motor vehicle and motor vehicle parts and supplies	4	281,895	650,849	1,522,504
Wholesale - Professional and commercial equipment and supplies	13	1,729,958	2,796,369	4,804,591
Wholesale - Household appliances and electrical and electronic goods	5	555,581	1,369,969	2,941,379
Wholesale - Machinery, equipment, and supplies	5	454,186	932,268	1,668,913
Wholesale - Other durable goods merchant wholesalers	14	1,340,939	2,574,783	5,195,264
Wholesale - Drugs and druggists'sundries	3	511,073	1,235,490	2,559,212
Wholesale - Grocery and related product wholesalers	13	1,041,356	1,584,240	3,356,831
Wholesale - Petroleum and petroleum products	<1	103,018	2,174,626	2,479,872
Wholesale - Other nondurable goods merchant wholesalers	16	1,459,142	3,783,383	6,847,021
Wholesale - Wholesale electronic markets and agents and brokers	8	1,205,134	1,366,586	1,602,278
Retail - Motor vehicle and parts dealers	17	1,406,084	2,046,624	2,817,155
Retail - Furniture and home furnishings stores	12	658,303	951,469	1,551,116

## Appendix

Retail - Electronics and appliance stores	11	706,110	678,254	1,111,523
Retail - Building material and garden equipment and supplies stores	14	816,066	1,622,818	2,250,422
Retail - Food and beverage stores	57	2,405,526	3,497,194	5,555,612
Retail - Health and personal care stores	25	1,282,504	1,664,208	2,498,193
Retail - Gasoline stores	12	478,394	1,101,541	2,022,704
Retail - Clothing and clothing accessories stores	25	771,583	1,433,560	3,053,500
Retail - Sporting goods, hobby, musical instrument and book stores	15	527,555	753,644	1,227,459
Retail - General merchandise stores	42	1,675,834	2,828,037	4,565,982
Retail - Miscellaneous store retailers	33	1,072,615	1,170,023	1,927,643
Retail - Nonstore retailers	43	886,897	5,486,190	9,392,727
Air transportation	8	1,107,506	2,275,324	4,323,248
Rail transportation	2	294,807	535,714	1,218,951
Water transportation	2	238,271	533,464	1,618,354
Truck transportation	28	2,033,188	2,918,113	6,387,336
Transit and ground passenger transportation	57	1,012,819	1,268,393	2,188,327
Pipeline transportation	<1	64,495	172,395	282,716
Scenic and sightseeing transportation and support activities for transportation	34	2,447,632	1,943,138	3,330,110
Couriers and messengers	58	1,328,354	2,707,527	3,423,771
Warehousing and storage	39	1,824,589	1,946,722	3,936,170
Newspaper publishers	2	172,065	404,154	517,664
Periodical publishers	3	476,937	904,580	1,314,870
Book publishers	1	126,199	551,505	969,475
Directory, mailing list, and other publishers	<1	49,182	184,952	294,103
Greeting card publishing	<1	2,644	14,619	20,583
Software publishers	35	6,131,330	16,334,724	20,263,511
Motion picture and video industries	6	305,410	478,060	1,512,924
Sound recording industries	<1	33,504	207,547	435,049
Radio and television broadcasting	6	1,982,781	3,029,983	5,324,645
Cable and other subscription programming	1	466,137	2,867,812	4,768,410
Wired telecommunications carriers	10	1,208,797	3,679,649	5,863,726

## Appendix

Wireless telecommunications carriers (except satellite)	2	262,577	3,384,871	6,083,040
Satellite, telecommunications resellers, and all other telecommunications	1	232,351	311,035	633,515
Data processing, hosting, and related services	55	7,020,139	11,210,938	35,083,180
News syndicates, libraries, archives and all other information services	1	125,743	178,462	385,184
Internet publishing and broadcasting and web search portals	6	780,430	1,730,902	8,175,879
Nondepository credit intermediation and related activities	19	2,352,210	2,494,179	3,798,265
Securities and commodity contracts intermediation and brokerage	37	3,168,074	2,994,288	5,299,405
Monetary authorities and depository credit intermediation	42	4,503,576	10,108,684	17,097,674
Other financial investment activities	48	3,775,595	4,461,269	9,952,392
Direct life insurance carriers	4	459,805	929,529	1,331,295
Insurance carriers, except direct life	19	2,141,718	6,634,419	13,372,199
Insurance agencies, brokerages, and related activities	25	2,429,987	3,780,179	8,632,311
Funds, trusts, and other financial vehicles	15	620,399	1,229,031	3,889,175
Other real estate	260	9,371,510	27,157,555	59,862,057
Tenant-occupied housing	27	905,789	8,815,026	9,517,765
Owner-occupied dwellings	0	0	36,335,060	44,056,954
Automotive equipment rental and leasing	4	540,465	2,335,246	2,652,161
General and consumer goods rental except video tapes and discs	5	426,089	804,715	1,069,024
Video tape and disc rental	2	114,638	190,894	304,440
Commercial and industrial machinery and equipment rental and leasing	4	555,819	2,048,678	2,372,014
Lessors of nonfinancial intangible assets	1	81,834	3,152,887	3,316,840
Legal services	68	7,361,673	14,327,594	18,837,385
Accounting, tax preparation, bookkeeping, and payroll services	33	2,990,901	4,033,790	6,082,947
Architectural, engineering, and related services	41	4,081,886	4,601,671	8,083,719
Specialized design services	4	283,389	535,256	941,045

## Appendix

Custom computer programming services	13	1,459,207	1,548,894	2,105,406
Computer systems design services	27	3,170,076	3,068,887	3,907,115
Other computer related services, including facilities management	55	6,746,021	9,272,026	16,258,823
Management consulting services	161	17,923,875	18,580,833	28,840,289
Environmental and other technical consulting services	18	1,821,727	2,070,138	3,220,536
Scientific research and development services	1,342	166,896,421	210,923,189	373,335,526
Advertising, public relations, and related services	23	1,684,995	2,915,216	6,303,069
Photographic services	2	74,722	208,532	432,639
Veterinary services	7	405,894	469,858	716,108
Marketing research and all other miscellaneous professional, scientific, and technical services	70	6,818,076	13,397,748	25,255,781
Management of companies and enterprises	81	11,633,960	12,988,587	20,636,165
Office administrative services	41	3,100,676	1,245,698	3,329,943
Facilities support services	2	81,750	114,354	301,545
Employment services	220	12,691,316	17,546,618	28,303,402
Business support services	18	945,071	830,275	1,527,772
Travel arrangement and reservation services	6	362,218	587,941	1,766,983
Investigation and security services	32	1,372,093	1,403,021	2,083,304
Services to buildings	43	1,614,491	2,291,289	4,815,199
Landscape and horticultural services	25	1,155,919	1,425,024	2,695,567
Other support services	9	507,623	651,900	1,367,044
Waste management and remediation services	9	716,526	1,147,099	2,393,412
Elementary and secondary schools	26	1,467,690	1,170,287	1,419,671
Junior colleges, colleges, universities, and professional schools	54	3,399,384	4,234,180	5,491,906
Other educational services	19	1,000,801	1,116,726	2,049,785
Offices of physicians	85	8,840,956	8,890,936	13,128,956
Offices of dentists	22	1,570,172	1,835,203	2,506,017
Offices of other health practitioners	22	1,411,959	2,036,201	2,594,344
Outpatient care centers	27	2,127,552	2,095,423	3,318,220
Medical and diagnostic laboratories	9	722,904	1,110,606	1,544,832
Home health care services	41	1,982,501	1,969,111	2,594,356

## Appendix

Other ambulatory health care services	8	639,041	737,992	1,101,519
Hospitals	116	10,835,861	12,895,110	23,794,592
Nursing and community care facilities	34	1,928,419	2,051,778	3,272,344
Residential mental retardation, mental health, substance abuse and other facilities	18	973,797	1,002,460	1,481,161
Individual and family services	45	1,831,861	1,577,663	2,157,074
Child day care services	26	904,819	1,204,204	1,636,625
Community food, housing, and other relief services, including rehabilitation services	15	683,022	641,978	1,335,864
Performing arts companies	9	183,181	422,166	842,291
Commercial Sports Except Racing	25	710,197	711,756	1,351,710
Racing and Track Operation	2	59,697	131,909	225,693
Independent artists, writers, and performers	6	139,087	614,994	910,896
Promoters of performing arts and sports and agents for public figures	7	132,347	498,787	1,114,032
Museums, historical sites, zoos, and parks	2	85,405	106,953	183,230
Amusement parks and arcades	1	35,626	121,524	136,618
Gambling industries (except casino hotels)	10	407,083	1,719,495	2,160,957
Other amusement and recreation industries	12	492,948	672,071	853,651
Fitness and recreational sports centers	10	252,346	473,090	664,528
Bowling centers	1	39,892	77,915	109,984
Hotels and motels, including casino hotels	13	709,089	1,487,455	2,070,855
Other accommodations	4	229,050	285,976	359,180
Full-service restaurants	113	3,670,970	5,803,991	10,889,843
Limited-service restaurants	102	2,872,911	4,812,872	10,712,889
All other food and drinking places	71	2,877,945	4,242,113	6,461,129
Automotive repair and maintenance, except car washes	41	2,680,212	2,981,166	4,301,056
Car washes	18	1,285,142	1,908,162	2,749,829
Electronic and precision equipment repair and maintenance	24	2,086,884	2,924,282	4,367,378
Commercial and industrial machinery and equipment repair and maintenance	10	781,262	852,232	1,333,273
Personal and household goods repair and maintenance	6	322,846	690,044	956,386

## Appendix

Personal care services	41	1,128,944	641,609	839,591
Death care services	8	256,417	170,436	251,734
Dry-cleaning and laundry services	16	463,717	281,455	390,420
Other personal services	25	744,172	956,371	1,401,175
Religious organizations	44	2,990,141	1,403,158	4,066,105
Grantmaking, giving, and social advocacy organizations	11	820,147	2,371,541	3,306,927
Business and professional associations	5	542,165	879,712	1,366,088
Labor and civic organizations	9	515,557	1,466,560	2,139,121
Private households	20	499,890	499,890	501,582
Postal service	14	1,380,806	1,389,085	1,398,175
Federal electric utilities	0	0	0	0
Other federal government enterprises	1	78,423	182,058	348,332
State government passenger transit	<1	104,473	79,551	45,065
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,333	1,550	2,958
Local government passenger transit	6	637,344	59,712	225,381
Local government electric utilities	0	0	0	0
Other local government enterprises	5	568,413	-1,094,079	669,815
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	430	90,698,497	110,617,307	200,323,861

## Massachusetts

## NASA

Table 688: Detailed NASA Impacts by Types of Impact, Massachusetts

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,747</i>	<i>307,129,307</i>	<i>442,649,518</i>	<i>718,366,213</i>
Oilseed farming	<1	-32	6	742
Grain farming	<1	1,226	8,883	21,657
Vegetable and melon farming	1	10,926	44,298	84,605
Fruit farming	1	6,608	29,826	47,441
Tree nut farming	<1	2	10	16
Greenhouse, nursery, and floriculture production	<1	14,184	34,282	56,624
Tobacco farming	<1	883	1,452	2,272
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	4,161	9,595	17,881
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-80	6,134	13,884
Dairy cattle and milk production	<1	1,186	7,729	33,335
Poultry and egg production	<1	1,182	3,938	23,761
Animal production, except cattle and poultry and eggs	2	8,448	118,572	134,388
Forestry, forest products, and timber tract production	<1	9,978	10,450	13,850
Commercial logging	<1	12,253	11,870	18,853
Commercial fishing	<1	118,270	96,492	97,419
Commercial hunting and trapping	<1	730	614	743
Support activities for agriculture and forestry	3	99,676	103,707	117,975
Oil and gas extraction	<1	8,072	583	273,191
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	9,477	9,549	28,892
Sand and gravel mining	<1	16,188	18,141	39,694

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	1	11
Support activities for oil and gas operations	<1	10	8	61
Metal mining services	<1	160	48	5,598
Other nonmetallic minerals services	<1	11	9	262
Electric power generation - Hydroelectric	<1	10,747	20,404	33,833
Electric power generation - Fossil fuel	1	389,517	1,114,642	2,230,792
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	12,184	23,719	34,423
Electric power generation - Wind	<1	17,354	91,374	132,984
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	4,598	2,878	3,571
Electric power transmission and distribution	2	887,531	2,541,633	4,572,352
Natural gas distribution	2	705,026	2,143,905	3,563,466
Water, sewage and other systems	<1	55,849	100,140	142,196
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	716,800	816,904	2,018,884
Maintenance and repair construction of residential structures	4	367,780	427,747	980,040
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	306	354	872
Dog and cat food manufacturing	<1	1,698	3,284	25,557
Other animal food manufacturing	<1	20,587	39,900	242,029
Flour milling	<1	8,687	12,767	85,017
Rice milling	0	0	0	0
Malt manufacturing	<1	4,205	4,980	29,907
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	8,168	24,578	332,508
Fats and oils refining and blending	<1	1,809	3,028	34,143
Breakfast cereal manufacturing	<1	5,526	8,414	37,000
Beet sugar manufacturing	<1	20,858	27,696	153,556
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4,352	5,186	25,317
Chocolate and confectionery manufacturing from cacao beans	<1	1,201	1,482	9,568
Confectionery manufacturing from purchased chocolate	<1	5,854	7,124	64,785
Frozen fruits, juices and vegetables manufacturing	<1	10,371	14,610	72,019
Frozen specialties manufacturing	<1	34,617	39,614	173,592
Canned fruits and vegetables manufacturing	<1	5,352	7,285	39,373
Canned specialties	<1	42	62	294
Dehydrated food products manufacturing	<1	39	52	205
Cheese manufacturing	<1	655	781	8,783
Dry, condensed, and evaporated dairy product manufacturing	<1	11,005	16,538	131,619
Fluid milk manufacturing	<1	27,983	34,586	248,766
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	11,428	13,376	67,437

## Appendix

Frozen cakes and other pastries manufacturing	1	51,982	66,970	128,868
Poultry processing	<1	10,262	11,529	45,972
Animal, except poultry, slaughtering	<1	14,144	18,117	142,223
Meat processed from carcasses	2	144,107	138,429	951,164
Rendering and meat byproduct processing	<1	3,285	4,113	18,847
Seafood product preparation and packaging	1	100,801	109,809	571,052
Bread and bakery product, except frozen, manufacturing	4	208,362	250,663	662,988
Cookie and cracker manufacturing	<1	16,247	19,268	77,912
Dry pasta, mixes, and dough manufacturing	<1	22,649	33,218	151,732
Tortilla manufacturing	<1	7,309	8,461	37,382
Roasted nuts and peanut butter manufacturing	<1	16,582	23,562	100,211
Other snack food manufacturing	<1	21,941	32,390	143,625
Coffee and tea manufacturing	<1	9,225	12,142	65,489
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	26,206	35,313	179,162
Spice and extract manufacturing	<1	3,135	3,913	17,783
All other food manufacturing	<1	37,025	43,565	203,097
Bottled and canned soft drinks & water	<1	91,627	118,841	567,895
Manufactured ice	<1	4,641	2,451	11,024
Breweries	1	87,561	140,483	427,558
Wineries	<1	12,510	17,430	85,775
Distilleries	<1	3,287	15,621	40,867
Tobacco product manufacturing	<1	264	7,391	13,944
Fiber, yarn, and thread mills	<1	3,150	3,905	16,648
Broadwoven fabric mills	<1	2,589	3,427	13,250
Narrow fabric mills and schiffli machine embroidery	<1	1,151	1,256	3,754
Nonwoven fabric mills	<1	5,530	7,697	32,711
Knit fabric mills	<1	405	491	1,534
Textile and fabric finishing mills	<1	7,121	8,554	25,163
Fabric coating mills	<1	22,938	26,720	89,225
Carpet and rug mills	<1	5,012	6,987	29,273
Curtain and linen mills	<1	5,029	5,949	17,102
Textile bag and canvas mills	<1	6,849	8,387	24,557
Rope, cordage, twine, tire cord and tire fabric mills	<1	4,484	6,059	17,100

## Appendix

Other textile product mills	<1	4,334	4,947	13,629
Hosiery and sock mills	<1	460	624	1,322
Other apparel knitting mills	<1	600	801	1,791
Cut and sew apparel contractors	<1	7,442	8,881	17,106
Men's and boys' cut and sew apparel manufacturing	<1	3,157	4,488	10,918
Women's and girls' cut and sew apparel manufacturing	<1	3,583	7,623	23,120
Other cut and sew apparel manufacturing	<1	1,807	2,960	7,769
Apparel accessories and other apparel manufacturing	<1	1,549	2,585	5,770
Leather and hide tanning and finishing	<1	157	370	673
Footwear manufacturing	<1	16,114	18,868	35,793
Other leather and allied product manufacturing	<1	2,824	3,707	6,692
Sawmills	<1	3,479	2,515	20,857
Wood preservation	<1	1,391	512	12,060
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	2,546	2,008	9,982
Reconstituted wood product manufacturing	<1	142	41	1,044
Wood windows and door manufacturing	<1	43,491	37,936	123,253
Cut stock, resawing lumber, and planing	<1	739	449	2,664
Other millwork, including flooring	<1	19,698	15,369	57,448
Wood container and pallet manufacturing	<1	27,292	22,931	69,407
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	1,936	1,385	5,845
All other miscellaneous wood product manufacturing	<1	10,198	8,401	36,153
Pulp mills	0	0	0	0
Paper mills	<1	241,877	142,259	684,188
Paperboard mills	<1	21,476	13,182	59,122
Paperboard container manufacturing	<1	172,967	157,938	569,920
Paper bag and coated and treated paper manufacturing	<1	159,377	135,713	415,829
Stationery product manufacturing	<1	22,274	21,104	59,658

Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	31,172	25,813	75,489
Printing	5	437,535	688,132	1,164,078
Support activities for printing	<1	48,678	74,590	99,765
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	17,652	23,318	57,636
Asphalt shingle and coating materials manufacturing	<1	4,583	10,945	21,947
Petroleum lubricating oil and grease manufacturing	<1	65,900	138,907	308,088
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	5,159	26,436	56,024
Synthetic dye and pigment manufacturing	<1	1,916	6,041	14,517
Other basic inorganic chemical manufacturing	<1	20,427	74,827	164,990
Other basic organic chemical manufacturing	<1	16,981	67,626	281,684
Plastics material and resin manufacturing	<1	65,618	181,015	764,246
Synthetic rubber manufacturing	<1	1,395	2,771	11,334
Artificial and synthetic fibers and filaments manufacturing	<1	4,481	7,298	31,032
Nitrogenous fertilizer manufacturing	<1	3,771	24,306	64,532
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	490	1,579	3,700
Pesticide and other agricultural chemical manufacturing	<1	1,619	10,211	28,525
Medicinal and botanical manufacturing	<1	4,151	10,080	28,004
Pharmaceutical preparation manufacturing	1	264,410	1,151,948	1,928,075
In-vitro diagnostic substance manufacturing	<1	23,713	49,401	96,512
Biological product (except diagnostic) manufacturing	<1	47,998	238,323	351,301
Paint and coating manufacturing	<1	14,558	47,820	135,430
Adhesive manufacturing	<1	21,481	51,518	134,987
Soap and other detergent manufacturing	<1	7,195	34,531	96,264
Polish and other sanitation good manufacturing	<1	24,127	60,821	132,995

## Appendix

Surface active agent manufacturing	<1	423	3,120	7,994
Toilet preparation manufacturing	<1	470	2,435	5,546
Printing ink manufacturing	<1	7,777	9,594	31,495
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	106,497	322,403	786,225
Photographic film and chemical manufacturing	<1	4,568	15,715	44,574
Other miscellaneous chemical product manufacturing	<1	73,383	175,416	493,226
Plastics packaging materials and unlaminated film and sheet manufacturing	2	163,550	198,058	825,186
Unlaminated plastics profile shape manufacturing	<1	38,087	52,301	246,533
Plastics pipe and pipe fitting manufacturing	<1	6,342	9,631	47,857
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4,097	4,912	16,971
Polystyrene foam product manufacturing	<1	25,518	32,253	135,029
Urethane and other foam product (except polystyrene) manufacturing	<1	27,658	33,419	130,479
Plastics bottle manufacturing	<1	3,200	3,844	19,931
Other plastics product manufacturing	3	260,776	303,716	1,010,893
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	871	1,060	3,741
Other rubber product manufacturing	<1	49,507	54,594	186,338
Pottery, ceramics, and plumbing fixture manufacturing	<1	5,306	8,360	18,180
Brick, tile, and other structural clay product manufacturing	<1	13,418	22,350	45,496
Flat glass manufacturing	<1	30,981	58,920	133,703
Other pressed and blown glass and glassware manufacturing	<1	60,884	100,165	249,253
Glass container manufacturing	<1	1,634	2,607	6,403
Glass product manufacturing made of purchased glass	<1	34,502	61,300	163,864
Cement manufacturing	<1	1,880	4,208	10,819
Ready-mix concrete manufacturing	<1	16,800	27,056	81,950
Concrete block and brick manufacturing	<1	6,458	11,270	28,106
Concrete pipe manufacturing	<1	378	621	1,563



## Appendix

Other concrete product manufacturing	<1	13,155	19,380	49,347
Lime manufacturing	<1	3,192	6,724	17,517
Gypsum product manufacturing	<1	566	1,603	5,488
Abrasive product manufacturing	<1	8,796	18,665	33,016
Cut stone and stone product manufacturing	<1	11,981	15,457	32,469
Ground or treated mineral and earth manufacturing	<1	4,395	9,911	23,095
Mineral wool manufacturing	<1	1,490	3,902	9,657
Miscellaneous nonmetallic mineral products manufacturing	<1	4,280	8,630	21,945
Iron and steel mills and ferroalloy manufacturing	<1	8,383	16,914	135,607
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,439	5,258	38,100
Rolled steel shape manufacturing	<1	42,501	83,794	512,493
Steel wire drawing	<1	834	1,168	6,582
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	4,753	7,107	38,013
Other aluminum rolling, drawing and extruding	<1	1,357	1,615	9,245
Nonferrous metal (exc aluminum) smelting and refining	<1	5,557	17,666	78,699
Copper rolling, drawing, extruding and alloying	<1	34,953	50,319	511,648
Nonferrous metal, except copper and aluminum, shaping	<1	1,284	1,423	6,635
Secondary processing of other nonferrous metals	<1	2,895	4,187	25,002
Ferrous metal foundries	<1	5,561	6,430	18,805
Nonferrous metal foundries	<1	35,471	39,722	105,183
Custom roll forming	<1	2,193	3,039	14,088
Crown and closure manufacturing and metal stamping	<1	31,921	40,423	116,826
Iron and steel forging	<1	4,636	6,184	22,426
Nonferrous forging	<1	4,579	5,694	17,098
Cutlery, utensil, pot, and pan manufacturing	<1	44,837	86,235	205,065
Handtool manufacturing	<1	69,445	104,484	200,784
Prefabricated metal buildings and components manufacturing	<1	1,158	1,675	6,339

## Appendix

Fabricated structural metal manufacturing	<1	13,427	19,226	60,406
Plate work manufacturing	<1	10,270	11,643	33,313
Metal window and door manufacturing	<1	4,545	6,157	19,361
Sheet metal work manufacturing	2	245,326	320,233	808,837
Ornamental and architectural metal work manufacturing	<1	19,047	22,627	54,112
Power boiler and heat exchanger manufacturing	<1	1,589	2,117	6,038
Metal tank (heavy gauge) manufacturing	<1	3,917	4,724	13,054
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	2,279	2,914	11,040
Hardware manufacturing	<1	3,150	4,571	19,518
Spring and wire product manufacturing	<1	10,798	13,859	45,906
Machine shops	3	279,618	324,299	650,031
Turned product and screw, nut, and bolt manufacturing	<1	69,386	86,193	214,934
Metal heat treating	<1	9,924	12,691	35,092
Metal coating and nonprecious engraving	<1	42,133	68,593	188,354
Electroplating, anodizing, and coloring metal	<1	39,388	42,842	94,836
Valve and fittings, other than plumbing, manufacturing	<1	18,338	25,716	60,693
Plumbing fixture fitting and trim manufacturing	<1	10,583	22,335	70,712
Ball and roller bearing manufacturing	<1	1,866	2,855	8,452
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	975	1,100	2,178
Small arms, ordnance, and accessories manufacturing	<1	32,988	63,717	185,654
Fabricated pipe and pipe fitting manufacturing	<1	1,522	1,849	4,256
Other fabricated metal manufacturing	<1	57,249	73,827	207,557
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	1,277	2,232	9,424
Construction machinery manufacturing	<1	89	205	633
Mining machinery and equipment manufacturing	0	0	0	0

Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	157,212	194,153	495,452
Food product machinery manufacturing	<1	53	61	179
Sawmill, woodworking, and paper machinery	<1	1,330	1,488	2,832
Printing machinery and equipment manufacturing	<1	315	347	912
All other industrial machinery manufacturing	<1	52,681	67,409	156,150
Optical instrument and lens manufacturing	95	11,325,563	16,510,107	38,284,987
Photographic and photocopying equipment manufacturing	<1	557	674	1,883
Other commercial service industry machinery manufacturing	<1	25,021	38,713	107,700
Air purification and ventilation equipment manufacturing	<1	46,626	60,343	161,404
Heating equipment (except warm air furnaces) manufacturing	<1	12,255	18,735	54,759
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,585	12,409	33,211
Industrial mold manufacturing	<1	2,727	3,254	6,904
Special tool, die, jig, and fixture manufacturing	<1	2,723	3,509	6,588
Cutting tool and machine tool accessory manufacturing	<1	4,356	5,038	11,886
Machine tool manufacturing	<1	649	814	2,302
Rolling mill and other metalworking machinery manufacturing	<1	2,103	2,747	5,861
Turbine and turbine generator set units manufacturing	<1	78	87	262
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,288	4,553	12,388
Mechanical power transmission equipment manufacturing	<1	8,061	11,159	26,175
Other engine equipment manufacturing	<1	551	1,152	4,308
Pump and pumping equipment manufacturing	<1	48,488	89,541	214,110
Air and gas compressor manufacturing	<1	3,008	4,187	11,369
Elevator and moving stairway manufacturing	<1	9	11	31

## Appendix

Conveyor and conveying equipment manufacturing	<1	294	334	874
Overhead cranes, hoists, and monorail systems manufacturing	<1	130	222	676
Industrial truck, trailer, and stacker manufacturing	<1	109	174	510
Power-driven handtool manufacturing	<1	438	1,146	3,262
Welding and soldering equipment manufacturing	<1	128	187	597
Packaging machinery manufacturing	<1	742	1,065	2,857
Industrial process furnace and oven manufacturing	<1	354	425	976
Fluid power cylinder and actuator manufacturing	<1	1,854	2,555	5,863
Fluid power pump and motor manufacturing	<1	108	169	508
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2,707	3,279	8,578
Electronic computer manufacturing	<1	151,003	214,347	513,303
Computer storage device manufacturing	<1	13,480	20,306	58,939
Computer terminals and other computer peripheral equipment manufacturing	<1	45,255	63,887	153,701
Telephone apparatus manufacturing	<1	3,449	5,690	14,306
Broadcast and wireless communications equipment manufacturing	<1	202	266	732
Other communications equipment manufacturing	<1	3,151	5,065	14,957
Audio and video equipment manufacturing	<1	8,054	13,379	49,906
Printed circuit assembly (electronic assembly) manufacturing	<1	40,344	64,343	246,153
Bare printed circuit board manufacturing	<1	8,340	10,398	26,943
Semiconductor and related device manufacturing	<1	89,970	131,167	488,908
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	30,082	37,943	90,702
Electronic connector manufacturing	<1	20,940	27,980	80,128
Other electronic component manufacturing	4	342,098	444,434	1,274,138

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	39,535	65,195	152,351
Search, detection, and navigation instruments manufacturing	<1	133,924	239,883	550,841
Automatic environmental control manufacturing	<1	3,492	4,586	9,933
Industrial process variable instruments manufacturing	<1	9,821	13,803	31,273
Totalizing fluid meter and counting device manufacturing	<1	127	251	663
Electricity and signal testing instruments manufacturing	2	447,960	547,349	1,132,468
Analytical laboratory instrument manufacturing	5	971,815	1,528,881	3,018,956
Irradiation apparatus manufacturing	<1	574	1,000	2,742
Watch, clock, and other measuring and controlling device manufacturing	<1	40,791	58,152	179,187
Blank magnetic and optical recording media manufacturing	<1	119	382	1,355
Software and other prerecorded and record reproducing	<1	179	251	569
Electric lamp bulb and part manufacturing	<1	22,192	39,608	83,738
Lighting fixture manufacturing	<1	6,574	9,646	28,856
Small electrical appliance manufacturing	<1	2,422	6,915	18,885
Household cooking appliance manufacturing	<1	1,345	4,480	11,536
Household refrigerator and home freezer manufacturing	<1	1,658	5,048	12,408
Household laundry equipment manufacturing	<1	5,187	10,870	34,728
Other major household appliance manufacturing	<1	658	2,390	5,222
Power, distribution, and specialty transformer manufacturing	<1	80	129	320
Motor and generator manufacturing	<1	581	1,306	3,546
Switchgear and switchboard apparatus manufacturing	<1	2,458	5,439	13,268
Relay and industrial control manufacturing	<1	38,257	56,738	108,554
Storage battery manufacturing	<1	9,396	18,263	49,745
Primary battery manufacturing	<1	1,461	19,781	14,320
Fiber optic cable manufacturing	<1	9,382	15,945	52,483

## Appendix

Other communication and energy wire manufacturing	<1	8,103	17,970	60,995
Wiring device manufacturing	<1	7,360	18,831	39,860
Carbon and graphite product manufacturing	<1	3,224	5,633	15,171
All other miscellaneous electrical equipment and component manufacturing	<1	48,918	59,765	151,601
Automobile manufacturing	<1	4,964	5,554	80,626
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	843	884	2,953
Truck trailer manufacturing	<1	7	7	38
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	973	1,003	5,483
Motor vehicle gasoline engine and engine parts manufacturing	<1	41	46	493
Motor vehicle electrical and electronic equipment manufacturing	<1	1,271	2,195	7,814
Motor vehicle transmission and power train parts manufacturing	<1	176	184	1,597
Motor vehicle seating and interior trim manufacturing	<1	312	322	2,387
Motor vehicle metal stamping	<1	1,245	1,278	6,586
Other motor vehicle parts manufacturing	<1	6,610	6,706	37,271
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,590	2,704	16,322
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	6,138	7,844	23,112
Other aircraft parts and auxiliary equipment manufacturing	<1	85,253	93,543	227,084
Guided missile and space vehicle manufacturing	<1	2,774	2,995	7,049
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,340	2,528	4,990
Railroad rolling stock manufacturing	<1	30	33	156
Ship building and repairing	<1	262	288	759
Boat building	<1	6,041	6,863	23,956
Motorcycle, bicycle, and parts manufacturing	<1	186	176	925

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	351	429	2,670
Wood kitchen cabinet and countertop manufacturing	<1	15,627	16,414	41,264
Upholstered household furniture manufacturing	<1	1,436	1,490	4,706
Nonupholstered wood household furniture manufacturing	<1	7,502	7,699	20,952
Other household nonupholstered furniture manufacturing	<1	2,322	2,680	9,082
Institutional furniture manufacturing	<1	267	274	960
Wood office furniture manufacturing	<1	24	25	83
Custom architectural woodwork and millwork	<1	1,770	1,640	4,176
Office furniture, except wood, manufacturing	<1	1,247	1,303	6,090
Showcase, partition, shelving, and locker manufacturing	<1	1,759	1,835	5,944
Mattress manufacturing	<1	2,443	2,858	15,845
Blind and shade manufacturing	<1	286	287	987
Surgical and medical instrument manufacturing	<1	37,977	58,645	100,003
Surgical appliance and supplies manufacturing	<1	34,137	65,392	117,777
Dental equipment and supplies manufacturing	2	208,251	326,500	706,350
Ophthalmic goods manufacturing	<1	9,998	19,201	35,873
Dental laboratories	<1	7,275	8,292	13,529
Jewelry and silverware manufacturing	<1	18,493	29,235	68,438
Sporting and athletic goods manufacturing	<1	39,931	58,117	127,639
Doll, toy, and game manufacturing	<1	13,435	25,465	74,387
Office supplies (except paper) manufacturing	<1	4,281	6,906	13,389
Sign manufacturing	<1	25,722	24,636	47,626
Gasket, packing, and sealing device manufacturing	<1	49,493	56,392	111,395
Musical instrument manufacturing	<1	5,557	6,188	12,329
Fasteners, buttons, needles, and pins manufacturing	<1	1,928	2,257	5,022

## Appendix

Broom, brush, and mop manufacturing	<1	3,790	5,523	12,543
Burial casket manufacturing	<1	3,810	5,767	12,009
All other miscellaneous manufacturing	<1	11,581	16,685	46,465
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	184,375	366,239	829,756
Wholesale - Professional and commercial equipment and supplies	13	2,030,956	3,013,569	4,980,874
Wholesale - Household appliances and electrical and electronic goods	4	698,933	1,483,567	2,921,256
Wholesale - Machinery, equipment, and supplies	4	423,849	722,725	1,295,949
Wholesale - Other durable goods merchant wholesalers	9	1,008,252	1,679,861	3,304,204
Wholesale - Drugs and druggists'sundries	3	691,444	1,528,596	2,967,143
Wholesale - Grocery and related product wholesalers	7	667,859	939,909	1,877,915
Wholesale - Petroleum and petroleum products	<1	62,389	833,510	996,946
Wholesale - Other nondurable goods merchant wholesalers	10	1,225,118	2,417,317	4,400,481
Wholesale - Wholesale electronic markets and agents and brokers	5	759,226	842,858	970,387
Retail - Motor vehicle and parts dealers	7	654,243	803,370	1,129,399
Retail - Furniture and home furnishings stores	5	507,714	586,905	828,600
Retail - Electronics and appliance stores	5	468,212	396,672	608,209
Retail - Building material and garden equipment and supplies stores	7	411,004	682,239	968,172
Retail - Food and beverage stores	32	1,333,105	1,742,917	2,866,417
Retail - Health and personal care stores	13	738,853	887,731	1,318,848
Retail - Gasoline stores	5	193,316	388,479	796,307
Retail - Clothing and clothing accessories stores	13	631,083	846,916	1,657,404
Retail - Sporting goods, hobby, musical instrument and book stores	8	384,927	457,124	712,984
Retail - General merchandise stores	18	692,352	971,984	1,710,269
Retail - Miscellaneous store retailers	20	774,611	731,007	1,183,133
Retail - Nonstore retailers	22	664,151	3,276,017	5,215,912
Air transportation	5	653,129	1,193,633	2,593,758



## Appendix

Rail transportation	1	197,115	282,921	714,574
Water transportation	<1	106,974	493,376	856,026
Truck transportation	11	923,614	1,328,464	2,614,247
Transit and ground passenger transportation	38	1,285,084	1,355,141	1,949,684
Pipeline transportation	<1	70,432	152,974	215,743
Scenic and sightseeing transportation and support activities for transportation	9	643,696	481,693	829,634
Couriers and messengers	19	512,774	922,896	1,152,248
Warehousing and storage	8	603,539	638,478	1,034,623
Newspaper publishers	2	139,308	212,647	304,397
Periodical publishers	1	224,419	298,227	471,883
Book publishers	2	325,962	739,051	1,255,892
Directory, mailing list, and other publishers	<1	167,164	354,429	529,674
Greeting card publishing	<1	8,599	25,280	47,909
Software publishers	26	7,152,701	12,921,370	15,486,320
Motion picture and video industries	3	310,187	497,245	1,055,922
Sound recording industries	<1	25,766	169,981	282,633
Radio and television broadcasting	4	870,353	1,073,282	2,471,786
Cable and other subscription programming	<1	259,380	993,587	2,339,335
Wired telecommunications carriers	3	469,724	723,763	1,490,104
Wireless telecommunications carriers (except satellite)	2	193,231	905,810	3,036,667
Satellite, telecommunications resellers, and all other telecommunications	2	277,835	284,631	630,981
Data processing, hosting, and related services	8	1,481,825	2,767,519	6,350,537
News syndicates, libraries, archives and all other information services	1	180,415	273,641	506,928
Internet publishing and broadcasting and web search portals	7	1,816,744	4,454,033	11,310,173
Nondepository credit intermediation and related activities	5	942,433	1,019,354	1,384,853
Securities and commodity contracts intermediation and brokerage	21	4,299,097	1,788,304	3,074,508
Monetary authorities and depository credit intermediation	26	4,041,286	12,761,803	16,610,452

## Appendix

Other financial investment activities	31	5,821,753	6,144,457	9,167,658
Direct life insurance carriers	5	1,092,876	1,950,532	2,380,089
Insurance carriers, except direct life	14	2,097,940	5,622,065	10,512,948
Insurance agencies, brokerages, and related activities	16	2,020,732	3,038,229	5,963,970
Funds, trusts, and other financial vehicles	9	467,650	913,268	2,422,880
Other real estate	126	4,762,999	14,174,667	29,943,683
Tenant-occupied housing	11	368,427	5,441,474	5,724,510
Owner-occupied dwellings	0	0	17,558,623	21,190,350
Automotive equipment rental and leasing	2	380,502	750,009	929,229
General and consumer goods rental except video tapes and discs	3	306,140	408,951	547,007
Video tape and disc rental	<1	75,216	105,904	167,170
Commercial and industrial machinery and equipment rental and leasing	2	448,488	803,513	970,950
Lessors of nonfinancial intangible assets	<1	66,688	1,135,371	1,215,176
Legal services	35	5,562,401	8,923,805	11,222,860
Accounting, tax preparation, bookkeeping, and payroll services	15	1,949,292	3,109,420	4,044,477
Architectural, engineering, and related services	15	1,908,088	2,300,627	3,520,867
Specialized design services	2	196,104	475,920	673,505
Custom computer programming services	29	5,117,222	5,201,882	6,446,297
Computer systems design services	9	1,504,534	1,453,763	1,721,555
Other computer related services, including facilities management	3	591,671	835,032	1,277,500
Management consulting services	47	7,754,230	8,176,259	11,100,312
Environmental and other technical consulting services	6	880,781	1,077,680	1,473,723
Scientific research and development services	638	107,051,867	125,702,784	202,544,483
Advertising, public relations, and related services	15	1,692,496	3,661,875	5,767,570
Photographic services	<1	35,602	137,404	222,580
Veterinary services	3	227,767	287,501	397,197
Marketing research and all other miscellaneous professional, scientific, and technical services	13	1,763,687	4,372,946	6,590,625
Management of companies and enterprises	58	10,570,278	11,679,409	17,112,418

## Appendix

Office administrative services	9	1,084,320	288,157	729,866
Facilities support services	1	84,547	105,863	214,333
Employment services	81	5,980,273	7,552,535	11,448,540
Business support services	5	408,138	340,555	542,197
Travel arrangement and reservation services	4	381,844	541,305	1,478,162
Investigation and security services	12	638,049	646,191	889,630
Services to buildings	20	974,419	1,252,448	2,441,518
Landscape and horticultural services	11	676,308	781,023	1,334,248
Other support services	3	234,104	277,070	504,478
Waste management and remediation services	4	474,929	755,639	1,377,215
Elementary and secondary schools	14	1,091,885	820,401	951,402
Junior colleges, colleges, universities, and professional schools	107	7,522,562	9,083,253	11,535,930
Other educational services	10	598,745	657,830	1,141,762
Offices of physicians	37	5,116,731	5,141,161	6,973,849
Offices of dentists	13	1,104,326	1,296,797	1,687,083
Offices of other health practitioners	12	817,652	1,192,474	1,490,856
Outpatient care centers	15	1,311,973	1,292,844	1,957,757
Medical and diagnostic laboratories	5	483,978	755,374	984,180
Home health care services	26	1,545,384	1,535,290	1,922,966
Other ambulatory health care services	5	411,235	477,034	694,133
Hospitals	86	9,180,554	10,927,217	18,969,441
Nursing and community care facilities	21	1,328,533	1,399,549	2,123,498
Residential mental retardation, mental health, substance abuse and other facilities	12	849,194	871,382	1,197,478
Individual and family services	63	2,616,983	2,265,559	3,041,434
Child day care services	17	769,270	1,131,401	1,409,583
Community food, housing, and other relief services, including rehabilitation services	10	571,007	540,448	1,012,250
Performing arts companies	4	158,255	314,128	513,977
Commercial Sports Except Racing	9	570,403	565,387	776,681
Racing and Track Operation	1	65,278	85,566	137,819
Independent artists, writers, and performers	2	109,261	368,202	476,866

## Appendix

Promoters of performing arts and sports and agents for public figures	6	196,522	586,608	1,080,196
Museums, historical sites, zoos, and parks	2	128,594	159,654	262,241
Amusement parks and arcades	<1	27,590	35,875	41,393
Gambling industries (except casino hotels)	6	340,670	934,518	1,186,939
Other amusement and recreation industries	9	407,552	336,848	463,400
Fitness and recreational sports centers	7	222,030	259,529	386,012
Bowling centers	<1	28,396	41,364	59,807
Hotels and motels, including casino hotels	10	594,997	1,097,887	1,524,567
Other accommodations	4	250,342	307,151	382,588
Full-service restaurants	61	2,558,338	3,763,251	6,502,260
Limited-service restaurants	37	1,281,430	1,949,336	4,071,475
All other food and drinking places	37	1,638,133	2,272,409	3,406,822
Automotive repair and maintenance, except car washes	17	1,316,505	1,288,878	1,822,695
Car washes	7	573,599	718,409	1,035,719
Electronic and precision equipment repair and maintenance	7	825,161	971,114	1,410,085
Commercial and industrial machinery and equipment repair and maintenance	4	493,651	509,541	715,893
Personal and household goods repair and maintenance	3	186,439	340,574	454,965
Personal care services	20	744,337	420,816	513,959
Death care services	3	132,624	85,950	114,487
Dry-cleaning and laundry services	12	506,591	298,067	379,839
Other personal services	12	499,030	607,826	824,259
Religious organizations	5	376,007	192,967	509,369
Grantmaking, giving, and social advocacy organizations	8	635,518	1,891,869	2,570,669
Business and professional associations	3	400,938	630,115	967,230
Labor and civic organizations	12	401,799	1,143,368	1,953,074
Private households	11	235,278	235,278	235,278
Postal service	6	657,405	663,650	663,882
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	21,419	81,644	135,864
State government passenger transit	4	528,109	-271,503	52,405

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	181,619	-11,786	110,802
Local government passenger transit	<1	16,119	-5,674	1,674
Local government electric utilities	<1	71,295	134,860	329,659
Other local government enterprises	2	257,581	-620,234	282,279
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	74	11,493,313	20,348,161	24,526,759

## Moon to Mars Campaign

**Table 689: Detailed M2M Campaign Impacts by Types of Impact, Massachusetts**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>192</i>	<i>20,384,999</i>	<i>30,299,862</i>	<i>49,708,716</i>
Oilseed farming	<1	-4	0	80
Grain farming	<1	64	635	1,140
Vegetable and melon farming	<1	718	3,091	5,676
Fruit farming	<1	489	2,248	3,494
Tree nut farming	<1	<1	<1	1
Greenhouse, nursery, and floriculture production	<1	822	2,105	3,334
Tobacco farming	<1	69	117	196

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	211	515	932
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-4	329	637
Dairy cattle and milk production	<1	92	663	2,573
Poultry and egg production	<1	70	248	1,391
Animal production, except cattle and poultry and eggs	<1	322	5,227	5,648
Forestry, forest products, and timber tract production	<1	493	520	676
Commercial logging	<1	716	730	1,117
Commercial fishing	<1	14,988	7,096	7,098
Commercial hunting and trapping	<1	63	36	42
Support activities for agriculture and forestry	<1	3,564	3,735	4,247
Oil and gas extraction	<1	419	36	17,576
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	565	560	1,692
Sand and gravel mining	<1	747	838	1,789
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	11	4	453
Other nonmetallic minerals services	<1	<1	<1	10
Electric power generation - Hydroelectric	<1	903	1,672	2,729

## Appendix

Electric power generation - Fossil fuel	<1	30,978	81,124	162,662
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	902	1,751	2,548
Electric power generation - Wind	<1	962	5,050	7,316
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	366	152	228
Electric power transmission and distribution	<1	59,398	162,598	292,024
Natural gas distribution	<1	58,399	172,237	280,580
Water, sewage and other systems	<1	6,450	10,829	14,899
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	41,393	48,313	116,345
Maintenance and repair construction of residential structures	<1	23,019	27,291	61,281
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	19	22	54
Dog and cat food manufacturing	<1	96	187	1,440
Other animal food manufacturing	<1	932	1,862	11,058
Flour milling	<1	530	782	5,338

Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	293	361	2,236
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	783	2,380	31,646
Fats and oils refining and blending	<1	198	341	3,685
Breakfast cereal manufacturing	<1	318	474	2,082
Beet sugar manufacturing	<1	1,573	1,982	11,163
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	325	386	1,858
Chocolate and confectionery manufacturing from cacao beans	<1	120	148	938
Confectionery manufacturing from purchased chocolate	<1	445	551	4,878
Frozen fruits, juices and vegetables manufacturing	<1	779	1,127	5,269
Frozen specialties manufacturing	<1	2,387	2,715	12,002
Canned fruits and vegetables manufacturing	<1	450	622	3,335
Canned specialties	<1	3	5	23
Dehydrated food products manufacturing	<1	4	5	18
Cheese manufacturing	<1	55	65	757
Dry, condensed, and evaporated dairy product manufacturing	<1	911	1,372	10,955
Fluid milk manufacturing	<1	2,445	3,090	21,944
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	967	1,146	5,666
Frozen cakes and other pastries manufacturing	<1	4,321	5,588	10,659
Poultry processing	<1	546	626	2,504
Animal, except poultry, slaughtering	<1	1,001	1,297	10,246
Meat processed from carcasses	<1	9,130	8,820	60,435
Rendering and meat byproduct processing	<1	224	282	1,294
Seafood product preparation and packaging	<1	8,812	9,888	49,280
Bread and bakery product, except frozen, manufacturing	<1	16,932	20,503	54,070
Cookie and cracker manufacturing	<1	1,256	1,538	5,889
Dry pasta, mixes, and dough manufacturing	<1	1,525	2,227	10,608
Tortilla manufacturing	<1	472	543	2,422



## Appendix

Roasted nuts and peanut butter manufacturing	<1	1,181	1,739	7,122
Other snack food manufacturing	<1	1,450	2,136	9,392
Coffee and tea manufacturing	<1	832	1,112	6,015
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2,237	2,993	15,188
Spice and extract manufacturing	<1	312	399	1,785
All other food manufacturing	<1	2,602	3,065	14,458
Bottled and canned soft drinks & water	<1	5,316	6,964	33,372
Manufactured ice	<1	290	155	666
Breweries	<1	7,671	12,723	38,384
Wineries	<1	972	1,361	6,473
Distilleries	<1	228	1,154	2,919
Tobacco product manufacturing	<1	17	561	986
Fiber, yarn, and thread mills	<1	188	239	983
Broadwoven fabric mills	<1	145	198	731
Narrow fabric mills and schiffli machine embroidery	<1	64	71	206
Nonwoven fabric mills	<1	501	748	2,948
Knit fabric mills	<1	41	49	153
Textile and fabric finishing mills	<1	416	505	1,450
Fabric coating mills	<1	1,815	2,142	6,793
Carpet and rug mills	<1	302	438	1,697
Curtain and linen mills	<1	392	472	1,303
Textile bag and canvas mills	<1	402	509	1,432
Rope, cordage, twine, tire cord and tire fabric mills	<1	174	252	669
Other textile product mills	<1	294	343	912
Hosiery and sock mills	<1	32	44	87
Other apparel knitting mills	<1	38	53	110
Cut and sew apparel contractors	<1	427	510	960
Men's and boys' cut and sew apparel manufacturing	<1	263	378	877
Women's and girls' cut and sew apparel manufacturing	<1	291	646	1,799
Other cut and sew apparel manufacturing	<1	219	364	914
Apparel accessories and other apparel manufacturing	<1	119	203	421
Leather and hide tanning and finishing	<1	13	35	59
Footwear manufacturing	<1	1,157	1,365	2,450
Other leather and allied product manufacturing	<1	202	270	468

## Appendix

Sawmills	<1	186	134	1,113
Wood preservation	<1	72	26	641
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	177	138	689
Reconstituted wood product manufacturing	<1	8	2	59
Wood windows and door manufacturing	<1	2,102	1,819	5,891
Cut stock, resawing lumber, and planing	<1	39	23	142
Other millwork, including flooring	<1	1,063	818	3,044
Wood container and pallet manufacturing	<1	1,968	1,636	4,965
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	106	76	317
All other miscellaneous wood product manufacturing	<1	892	695	2,934
Pulp mills	0	0	0	0
Paper mills	<1	13,793	7,336	38,424
Paperboard mills	<1	1,492	860	4,076
Paperboard container manufacturing	<1	14,393	13,238	48,717
Paper bag and coated and treated paper manufacturing	<1	12,111	10,035	31,082
Stationery product manufacturing	<1	1,869	1,738	4,763
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	2,265	1,841	5,530
Printing	<1	33,105	53,228	87,259
Support activities for printing	<1	3,751	5,798	7,632
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	1,018	1,375	3,276
Asphalt shingle and coating materials manufacturing	<1	293	765	1,429
Petroleum lubricating oil and grease manufacturing	<1	6,373	13,794	29,546
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	368	2,045	4,106

## Appendix

Synthetic dye and pigment manufacturing	<1	147	488	1,183
Other basic inorganic chemical manufacturing	<1	3,134	12,614	26,173
Other basic organic chemical manufacturing	<1	1,239	5,269	21,237
Plastics material and resin manufacturing	<1	7,470	21,903	89,224
Synthetic rubber manufacturing	<1	156	312	1,281
Artificial and synthetic fibers and filaments manufacturing	<1	82	168	683
Nitrogenous fertilizer manufacturing	<1	261	1,825	4,326
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	29	102	226
Pesticide and other agricultural chemical manufacturing	<1	101	687	1,872
Medicinal and botanical manufacturing	<1	348	868	2,262
Pharmaceutical preparation manufacturing	<1	19,780	92,150	147,852
In-vitro diagnostic substance manufacturing	<1	2,335	4,816	9,467
Biological product (except diagnostic) manufacturing	<1	3,809	18,684	26,437
Paint and coating manufacturing	<1	1,269	4,452	12,347
Adhesive manufacturing	<1	2,240	5,634	14,162
Soap and other detergent manufacturing	<1	565	2,960	7,450
Polish and other sanitation good manufacturing	<1	1,602	4,298	8,952
Surface active agent manufacturing	<1	24	186	451
Toilet preparation manufacturing	<1	33	185	407
Printing ink manufacturing	<1	727	880	2,905
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	11,561	40,122	89,411
Photographic film and chemical manufacturing	<1	289	1,062	2,746
Other miscellaneous chemical product manufacturing	<1	43,163	96,396	282,820
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	24,093	29,262	120,519
Unlaminated plastics profile shape manufacturing	<1	4,740	6,659	30,017
Plastics pipe and pipe fitting manufacturing	<1	335	517	2,535

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	319	387	1,343
Polystyrene foam product manufacturing	<1	1,508	1,940	8,006
Urethane and other foam product (except polystyrene) manufacturing	<1	1,766	2,169	8,301
Plastics bottle manufacturing	<1	262	316	1,604
Other plastics product manufacturing	<1	18,480	22,031	71,121
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	42	51	188
Other rubber product manufacturing	<1	1,910	2,115	7,412
Pottery, ceramics, and plumbing fixture manufacturing	<1	315	500	1,071
Brick, tile, and other structural clay product manufacturing	<1	744	1,200	2,470
Flat glass manufacturing	<1	4,565	8,408	19,137
Other pressed and blown glass and glassware manufacturing	<1	6,848	11,312	27,615
Glass container manufacturing	<1	115	185	455
Glass product manufacturing made of purchased glass	<1	3,788	6,530	17,708
Cement manufacturing	<1	100	215	565
Ready-mix concrete manufacturing	<1	843	1,324	4,048
Concrete block and brick manufacturing	<1	335	571	1,447
Concrete pipe manufacturing	<1	20	33	84
Other concrete product manufacturing	<1	651	943	2,433
Lime manufacturing	<1	154	303	828
Gypsum product manufacturing	<1	28	79	272
Abrasive product manufacturing	<1	811	1,652	2,967
Cut stone and stone product manufacturing	<1	612	782	1,645
Ground or treated mineral and earth manufacturing	<1	1,046	2,209	5,408
Mineral wool manufacturing	<1	77	190	473
Miscellaneous nonmetallic mineral products manufacturing	<1	34	73	177
Iron and steel mills and ferroalloy manufacturing	<1	78	138	1,336
Iron, steel pipe and tube manufacturing from purchased steel	<1	359	555	4,023

## Appendix

Rolled steel shape manufacturing	<1	4,166	8,626	52,714
Steel wire drawing	<1	85	119	677
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	851	1,315	7,052
Other aluminum rolling, drawing and extruding	<1	244	291	1,667
Nonferrous metal (exc aluminum) smelting and refining	<1	153	455	2,091
Copper rolling, drawing, extruding and alloying	<1	4,651	6,878	67,512
Nonferrous metal, except copper and aluminum, shaping	<1	106	118	550
Secondary processing of other nonferrous metals	<1	85	117	716
Ferrous metal foundries	<1	939	1,185	3,415
Nonferrous metal foundries	<1	4,624	5,235	13,817
Custom roll forming	<1	227	316	1,472
Crown and closure manufacturing and metal stamping	<1	3,795	4,804	13,762
Iron and steel forging	<1	306	409	1,480
Nonferrous forging	<1	281	349	1,046
Cutlery, utensil, pot, and pan manufacturing	<1	3,651	6,716	15,766
Handtool manufacturing	<1	5,937	8,965	17,066
Prefabricated metal buildings and components manufacturing	<1	74	103	398
Fabricated structural metal manufacturing	<1	671	954	3,011
Plate work manufacturing	<1	677	769	2,181
Metal window and door manufacturing	<1	345	467	1,450
Sheet metal work manufacturing	<1	37,971	48,859	121,690
Ornamental and architectural metal work manufacturing	<1	1,221	1,436	3,406
Power boiler and heat exchanger manufacturing	<1	124	164	470
Metal tank (heavy gauge) manufacturing	<1	615	740	1,980
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	247	317	1,186
Hardware manufacturing	<1	192	274	1,160
Spring and wire product manufacturing	<1	597	763	2,526

## Appendix

Machine shops	<1	26,037	30,093	60,004
Turned product and screw, nut, and bolt manufacturing	<1	9,052	11,224	27,999
Metal heat treating	<1	1,227	1,573	4,360
Metal coating and nonprecious engraving	<1	5,063	8,228	22,507
Electroplating, anodizing, and coloring metal	<1	5,159	5,611	12,432
Valve and fittings, other than plumbing, manufacturing	<1	1,195	1,674	3,969
Plumbing fixture fitting and trim manufacturing	<1	660	1,348	4,428
Ball and roller bearing manufacturing	<1	135	206	606
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	89	101	195
Small arms, ordnance, and accessories manufacturing	<1	2,284	4,414	12,473
Fabricated pipe and pipe fitting manufacturing	<1	86	103	241
Other fabricated metal manufacturing	<1	29,789	37,961	107,550
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	58	104	424
Construction machinery manufacturing	<1	3	8	22
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	148	178	521
Food product machinery manufacturing	<1	7	9	26
Sawmill, woodworking, and paper machinery	<1	58	65	121
Printing machinery and equipment manufacturing	<1	21	23	61
All other industrial machinery manufacturing	<1	226	284	655
Optical instrument and lens manufacturing	14	1,714,467	2,503,103	5,794,853
Photographic and photocopying equipment manufacturing	<1	55	67	182
Other commercial service industry machinery manufacturing	<1	5,587	8,872	23,894

## Appendix

Air purification and ventilation equipment manufacturing	<1	10,073	13,618	36,259
Heating equipment (except warm air furnaces) manufacturing	<1	1,565	2,444	6,700
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	720	1,189	3,109
Industrial mold manufacturing	<1	271	326	682
Special tool, die, jig, and fixture manufacturing	<1	191	246	458
Cutting tool and machine tool accessory manufacturing	<1	503	585	1,374
Machine tool manufacturing	<1	97	123	347
Rolling mill and other metalworking machinery manufacturing	<1	206	273	569
Turbine and turbine generator set units manufacturing	<1	3	4	11
Speed changer, industrial high-speed drive, and gear manufacturing	<1	247	335	892
Mechanical power transmission equipment manufacturing	<1	365	508	1,189
Other engine equipment manufacturing	<1	27	59	212
Pump and pumping equipment manufacturing	<1	52	84	200
Air and gas compressor manufacturing	<1	14	18	51
Elevator and moving stairway manufacturing	<1	1	2	5
Conveyor and conveying equipment manufacturing	<1	28	32	85
Overhead cranes, hoists, and monorail systems manufacturing	<1	14	25	74
Industrial truck, trailer, and stacker manufacturing	<1	10	16	46
Power-driven handtool manufacturing	<1	45	111	317
Welding and soldering equipment manufacturing	<1	11	16	46
Packaging machinery manufacturing	<1	72	104	276
Industrial process furnace and oven manufacturing	<1	101	121	278
Fluid power cylinder and actuator manufacturing	<1	100	140	319
Fluid power pump and motor manufacturing	<1	5	9	27

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	296	360	938
Electronic computer manufacturing	<1	756	1,056	2,699
Computer storage device manufacturing	<1	994	1,544	4,359
Computer terminals and other computer peripheral equipment manufacturing	<1	4,595	6,611	15,490
Telephone apparatus manufacturing	<1	221	371	914
Broadcast and wireless communications equipment manufacturing	<1	18	24	67
Other communications equipment manufacturing	<1	245	397	1,181
Audio and video equipment manufacturing	<1	741	1,245	4,383
Printed circuit assembly (electronic assembly) manufacturing	<1	6,632	10,436	40,437
Bare printed circuit board manufacturing	<1	1,208	1,517	4,051
Semiconductor and related device manufacturing	<1	11,133	17,247	59,156
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3,641	4,610	11,316
Electronic connector manufacturing	<1	1,774	2,386	6,822
Other electronic component manufacturing	<1	87,578	112,980	300,411
Electromedical and electrotherapeutic apparatus manufacturing	<1	441	696	1,595
Search, detection, and navigation instruments manufacturing	<1	117,046	227,520	474,895
Automatic environmental control manufacturing	<1	246	323	691
Industrial process variable instruments manufacturing	<1	1,217	1,721	3,891
Totalizing fluid meter and counting device manufacturing	<1	9	18	46
Electricity and signal testing instruments manufacturing	1	193,461	240,875	557,757
Analytical laboratory instrument manufacturing	<1	117,059	186,163	361,874
Irradiation apparatus manufacturing	<1	153	286	727



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	299	422	1,377
Blank magnetic and optical recording media manufacturing	<1	14	44	152
Software and other prerecorded and record reproducing	<1	17	23	51
Electric lamp bulb and part manufacturing	<1	156	301	549
Lighting fixture manufacturing	<1	478	706	2,045
Small electrical appliance manufacturing	<1	185	511	1,402
Household cooking appliance manufacturing	<1	76	261	643
Household refrigerator and home freezer manufacturing	<1	95	298	703
Household laundry equipment manufacturing	<1	293	627	1,936
Other major household appliance manufacturing	<1	49	185	390
Power, distribution, and specialty transformer manufacturing	<1	8	12	30
Motor and generator manufacturing	<1	57	127	344
Switchgear and switchboard apparatus manufacturing	<1	222	489	1,175
Relay and industrial control manufacturing	<1	5,955	8,696	16,678
Storage battery manufacturing	<1	572	1,095	2,943
Primary battery manufacturing	<1	114	1,630	1,100
Fiber optic cable manufacturing	<1	1,146	1,923	6,162
Other communication and energy wire manufacturing	<1	926	2,115	6,923
Wiring device manufacturing	<1	673	1,774	3,694
Carbon and graphite product manufacturing	<1	110	189	512
All other miscellaneous electrical equipment and component manufacturing	<1	246	299	790
Automobile manufacturing	<1	314	334	4,771
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	51	54	185
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	50	51	279

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	2	2	29
Motor vehicle electrical and electronic equipment manufacturing	<1	75	130	444
Motor vehicle transmission and power train parts manufacturing	<1	12	13	104
Motor vehicle seating and interior trim manufacturing	<1	18	19	139
Motor vehicle metal stamping	<1	26	28	140
Other motor vehicle parts manufacturing	<1	444	445	2,482
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	140	149	897
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	181	224	652
Other aircraft parts and auxiliary equipment manufacturing	<1	15	17	44
Guided missile and space vehicle manufacturing	<1	71	76	179
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	244	267	523
Railroad rolling stock manufacturing	<1	3	3	15
Ship building and repairing	<1	16	17	45
Boat building	<1	322	359	1,262
Motorcycle, bicycle, and parts manufacturing	<1	10	9	47
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	17	20	125
Wood kitchen cabinet and countertop manufacturing	<1	958	986	2,470
Upholstered household furniture manufacturing	<1	108	112	356
Nonupholstered wood household furniture manufacturing	<1	556	567	1,514
Other household nonupholstered furniture manufacturing	<1	167	191	627
Institutional furniture manufacturing	<1	20	20	67
Wood office furniture manufacturing	<1	1	1	5

## Appendix

Custom architectural woodwork and millwork	<1	127	117	291
Office furniture, except wood, manufacturing	<1	150	141	697
Showcase, partition, shelving, and locker manufacturing	<1	168	169	547
Mattress manufacturing	<1	156	180	1,002
Blind and shade manufacturing	<1	16	16	57
Surgical and medical instrument manufacturing	<1	2,753	4,226	7,048
Surgical appliance and supplies manufacturing	<1	2,417	4,647	8,172
Dental equipment and supplies manufacturing	<1	100	167	332
Ophthalmic goods manufacturing	<1	665	1,285	2,397
Dental laboratories	<1	507	580	941
Jewelry and silverware manufacturing	<1	1,187	1,889	4,385
Sporting and athletic goods manufacturing	<1	2,587	3,764	8,028
Doll, toy, and game manufacturing	<1	979	1,908	5,315
Office supplies (except paper) manufacturing	<1	241	374	776
Sign manufacturing	<1	1,881	1,814	3,458
Gasket, packing, and sealing device manufacturing	<1	5,870	6,671	13,044
Musical instrument manufacturing	<1	494	562	1,097
Fasteners, buttons, needles, and pins manufacturing	<1	144	172	388
Broom, brush, and mop manufacturing	<1	352	557	1,176
Burial casket manufacturing	<1	168	259	519
All other miscellaneous manufacturing	<1	719	1,026	2,827
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	11,947	23,912	54,271
Wholesale - Professional and commercial equipment and supplies	1	235,354	351,256	576,095
Wholesale - Household appliances and electrical and electronic goods	<1	72,407	153,390	301,211
Wholesale - Machinery, equipment, and supplies	<1	32,391	55,296	99,074
Wholesale - Other durable goods merchant wholesalers	<1	82,329	137,060	269,496

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	43,879	97,009	186,078
Wholesale - Grocery and related product wholesalers	<1	46,379	65,132	130,011
Wholesale - Petroleum and petroleum products	<1	3,745	57,250	67,059
Wholesale - Other nondurable goods merchant wholesalers	<1	91,373	186,779	333,504
Wholesale - Wholesale electronic markets and agents and brokers	<1	57,123	63,196	72,682
Retail - Motor vehicle and parts dealers	<1	39,691	48,845	68,366
Retail - Furniture and home furnishings stores	<1	31,591	36,615	51,382
Retail - Electronics and appliance stores	<1	29,297	24,976	37,621
Retail - Building material and garden equipment and supplies stores	<1	25,729	42,772	60,374
Retail - Food and beverage stores	2	85,775	112,171	183,490
Retail - Health and personal care stores	<1	46,226	55,700	82,041
Retail - Gasoline stores	<1	12,348	24,236	48,704
Retail - Clothing and clothing accessories stores	<1	40,099	53,563	103,194
Retail - Sporting goods, hobby, musical instrument and book stores	<1	24,123	28,610	44,167
Retail - General merchandise stores	1	42,377	59,678	104,126
Retail - Miscellaneous store retailers	1	48,060	45,505	72,669
Retail - Nonstore retailers	1	40,656	205,296	326,208
Air transportation	<1	44,633	82,207	176,927
Rail transportation	<1	14,426	18,739	49,822
Water transportation	<1	6,170	29,118	48,055
Truck transportation	<1	72,789	104,223	203,668
Transit and ground passenger transportation	3	109,018	114,366	157,061
Pipeline transportation	<1	3,731	8,838	12,745
Scenic and sightseeing transportation and support activities for transportation	<1	32,799	24,257	41,763
Couriers and messengers	1	39,072	69,643	86,757
Warehousing and storage	<1	64,428	68,465	110,434
Newspaper publishers	<1	11,239	18,548	25,319
Periodical publishers	<1	20,084	30,018	43,531
Book publishers	<1	23,207	58,702	93,893

## Appendix

Directory, mailing list, and other publishers	<1	11,582	26,003	38,574
Greeting card publishing	<1	483	1,531	2,826
Software publishers	5	1,397,815	2,732,911	3,187,951
Motion picture and video industries	<1	24,442	39,334	79,207
Sound recording industries	<1	2,390	16,071	25,459
Radio and television broadcasting	<1	71,945	89,071	190,594
Cable and other subscription programming	<1	22,708	89,489	199,550
Wired telecommunications carriers	<1	31,715	50,385	102,083
Wireless telecommunications carriers (except satellite)	<1	12,989	66,891	213,876
Satellite, telecommunications resellers, and all other telecommunications	<1	20,001	20,078	44,782
Data processing, hosting, and related services	<1	130,930	248,010	550,617
News syndicates, libraries, archives and all other information services	<1	11,642	17,781	31,971
Internet publishing and broadcasting and web search portals	<1	146,874	359,375	923,333
Nondepository credit intermediation and related activities	<1	64,323	69,736	92,808
Securities and commodity contracts intermediation and brokerage	1	341,121	136,861	217,166
Monetary authorities and depository credit intermediation	1	223,925	750,680	944,735
Other financial investment activities	2	446,142	467,659	637,395
Direct life insurance carriers	<1	63,977	115,565	139,476
Insurance carriers, except direct life	<1	130,196	350,487	641,907
Insurance agencies, brokerages, and related activities	<1	115,891	172,910	333,606
Funds, trusts, and other financial vehicles	<1	32,689	66,776	156,429
Other real estate	6	262,218	759,962	1,553,850
Tenant-occupied housing	<1	23,557	360,051	376,506
Owner-occupied dwellings	0	0	1,108,422	1,337,681
Automotive equipment rental and leasing	<1	24,182	48,899	59,358

## Appendix

General and consumer goods rental except video tapes and discs	<1	22,370	29,841	39,425
Video tape and disc rental	<1	4,561	6,474	10,226
Commercial and industrial machinery and equipment rental and leasing	<1	31,402	56,621	68,004
Lessors of nonfinancial intangible assets	<1	4,247	77,764	82,927
Legal services	2	248,035	408,205	506,353
Accounting, tax preparation, bookkeeping, and payroll services	1	140,448	227,799	290,716
Architectural, engineering, and related services	<1	70,099	85,083	129,128
Specialized design services	<1	16,580	41,084	56,431
Custom computer programming services	4	684,756	693,799	861,593
Computer systems design services	<1	139,443	134,959	158,569
Other computer related services, including facilities management	<1	46,845	65,727	99,891
Management consulting services	2	315,817	333,695	445,656
Environmental and other technical consulting services	<1	49,650	61,106	82,395
Scientific research and development services	14	2,399,310	2,811,776	4,421,884
Advertising, public relations, and related services	1	140,836	309,362	475,415
Photographic services	<1	2,051	8,292	12,943
Veterinary services	<1	13,983	17,799	24,263
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	67,470	167,035	252,466
Management of companies and enterprises	4	747,608	831,158	1,201,738
Office administrative services	<1	80,208	22,779	53,525
Facilities support services	<1	5,585	7,134	13,893
Employment services	4	333,509	428,345	626,731
Business support services	<1	24,244	20,532	31,590
Travel arrangement and reservation services	<1	22,858	32,739	85,872
Investigation and security services	<1	44,379	45,017	60,859
Services to buildings	1	62,147	81,427	153,701
Landscape and horticultural services	<1	43,277	50,545	84,286
Other support services	<1	18,790	22,459	39,933
Waste management and remediation services	<1	28,053	44,566	80,771

## Appendix

Elementary and secondary schools	<1	79,437	59,499	68,310
Junior colleges, colleges, universities, and professional schools	33	2,221,620	2,660,038	3,411,795
Other educational services	<1	52,600	57,763	99,591
Offices of physicians	2	319,012	321,223	434,803
Offices of dentists	<1	69,445	82,860	107,062
Offices of other health practitioners	<1	49,372	74,360	92,201
Outpatient care centers	<1	85,339	84,383	128,086
Medical and diagnostic laboratories	<1	26,109	41,841	53,849
Home health care services	2	100,570	100,190	125,924
Other ambulatory health care services	<1	25,837	30,404	43,903
Hospitals	6	636,110	762,051	1,322,754
Nursing and community care facilities	1	89,604	94,444	141,180
Residential mental retardation, mental health, substance abuse and other facilities	<1	61,991	63,648	86,333
Individual and family services	4	179,281	156,926	208,864
Child day care services	1	50,439	76,591	94,113
Community food, housing, and other relief services, including rehabilitation services	<1	41,623	39,533	72,556
Performing arts companies	<1	11,526	22,571	35,150
Commercial Sports Except Racing	<1	40,692	41,879	56,336
Racing and Track Operation	<1	4,651	5,895	9,142
Independent artists, writers, and performers	<1	8,383	27,273	34,583
Promoters of performing arts and sports and agents for public figures	<1	14,588	41,913	73,173
Museums, historical sites, zoos, and parks	<1	8,817	10,924	17,542
Amusement parks and arcades	<1	2,022	2,559	2,940
Gambling industries (except casino hotels)	<1	22,414	61,722	77,796
Other amusement and recreation industries	<1	26,304	21,670	29,457
Fitness and recreational sports centers	<1	15,438	17,930	26,145
Bowling centers	<1	1,776	2,600	3,708
Hotels and motels, including casino hotels	<1	46,801	84,219	116,699
Other accommodations	<1	19,278	23,537	29,099

## Appendix

Full-service restaurants	4	164,336	240,598	412,612
Limited-service restaurants	2	82,774	125,077	257,128
All other food and drinking places	2	99,422	136,339	201,951
Automotive repair and maintenance, except car washes	1	87,882	83,865	118,401
Car washes	<1	36,541	45,632	65,550
Electronic and precision equipment repair and maintenance	<1	93,682	107,819	149,188
Commercial and industrial machinery and equipment repair and maintenance	<1	34,249	35,076	48,690
Personal and household goods repair and maintenance	<1	11,916	20,526	27,640
Personal care services	1	47,289	24,440	30,353
Death care services	<1	9,149	5,472	7,379
Dry-cleaning and laundry services	1	49,532	26,599	34,408
Other personal services	<1	30,039	35,627	48,425
Religious organizations	<1	27,329	12,467	35,092
Grantmaking, giving, and social advocacy organizations	<1	48,631	128,100	177,282
Business and professional associations	<1	26,311	37,854	58,384
Labor and civic organizations	<1	29,454	73,893	129,600
Private households	<1	15,619	15,619	15,619
Postal service	<1	46,010	46,459	46,475
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,516	6,318	9,882
State government passenger transit	<1	56,874	-7,905	4,416
State government electric utilities	0	0	0	0
Other state government enterprises	<1	8,326	-503	4,673
Local government passenger transit	<1	1,199	-231	101
Local government electric utilities	<1	4,440	7,737	18,966
Other local government enterprises	<1	17,866	-36,363	17,747
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	952,699	1,413,345	2,583,360

## Investments in Climate Change Research and Technology

**Table 690: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	759	83,145,138	120,970,822	199,919,351
Oilseed farming	<1	-6	0	125
Grain farming	<1	304	2,061	5,217
Vegetable and melon farming	<1	3,319	13,378	25,285
Fruit farming	<1	2,138	9,602	15,244
Tree nut farming	<1	<1	3	5
Greenhouse, nursery, and floriculture production	<1	4,392	10,531	17,169
Tobacco farming	<1	126	213	321
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,379	3,161	5,832
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-31	2,212	4,887
Dairy cattle and milk production	<1	360	2,309	10,181
Poultry and egg production	<1	404	1,258	8,153
Animal production, except cattle and poultry and eggs	<1	2,399	30,235	33,598
Forestry, forest products, and timber tract production	<1	2,619	2,771	3,811

## Appendix

Commercial logging	<1	3,612	3,622	5,820
Commercial fishing	<1	26,719	27,366	27,629
Commercial hunting and trapping	<1	167	182	223
Support activities for agriculture and forestry	<1	31,493	32,769	36,739
Oil and gas extraction	<1	2,792	195	91,529
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	2,347	2,660	7,921
Sand and gravel mining	<1	4,392	5,149	11,217
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	5
Support activities for oil and gas operations	<1	3	2	16
Metal mining services	<1	63	21	2,371
Other nonmetallic minerals services	<1	4	3	86
Electric power generation - Hydroelectric	<1	2,797	5,244	8,500
Electric power generation - Fossil fuel	<1	98,925	302,762	607,214
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3,237	6,448	9,432
Electric power generation - Wind	<1	6,267	35,772	52,957
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	1,263	1,246	1,163
Electric power transmission and distribution	<1	234,722	700,431	1,269,883

## Appendix

Natural gas distribution	<1	183,970	559,132	933,196
Water, sewage and other systems	<1	16,593	30,636	44,725
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	196,746	223,592	560,694
Maintenance and repair construction of residential structures	1	99,435	115,522	268,349
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	84	97	243
Dog and cat food manufacturing	<1	527	989	8,058
Other animal food manufacturing	<1	6,615	12,557	77,297
Flour milling	<1	2,916	4,239	28,162
Rice milling	0	0	0	0
Malt manufacturing	<1	969	1,147	7,120
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	2,476	7,284	104,169
Fats and oils refining and blending	<1	586	953	10,862
Breakfast cereal manufacturing	<1	1,154	1,717	8,305
Beet sugar manufacturing	<1	5,145	6,932	37,829
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1,309	1,545	7,816

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	341	416	2,785
Confectionery manufacturing from purchased chocolate	<1	1,833	2,181	20,016
Frozen fruits, juices and vegetables manufacturing	<1	3,181	4,326	21,971
Frozen specialties manufacturing	<1	11,222	12,815	56,508
Canned fruits and vegetables manufacturing	<1	1,659	2,210	12,269
Canned specialties	<1	14	21	96
Dehydrated food products manufacturing	<1	12	17	66
Cheese manufacturing	<1	189	224	2,538
Dry, condensed, and evaporated dairy product manufacturing	<1	3,293	4,889	40,299
Fluid milk manufacturing	<1	7,905	9,535	69,516
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	3,297	3,804	19,722
Frozen cakes and other pastries manufacturing	<1	16,213	21,022	40,608
Poultry processing	<1	3,903	4,271	17,126
Animal, except poultry, slaughtering	<1	4,598	5,843	45,654
Meat processed from carcasses	<1	42,812	41,086	284,583
Rendering and meat byproduct processing	<1	1,157	1,432	6,484
Seafood product preparation and packaging	<1	30,149	32,808	176,799
Bread and bakery product, except frozen, manufacturing	1	63,337	76,047	201,408
Cookie and cracker manufacturing	<1	4,325	4,968	21,978
Dry pasta, mixes, and dough manufacturing	<1	6,360	9,154	42,309
Tortilla manufacturing	<1	2,479	2,867	12,658
Roasted nuts and peanut butter manufacturing	<1	5,122	7,287	31,036
Other snack food manufacturing	<1	6,884	9,929	45,431
Coffee and tea manufacturing	<1	2,886	3,690	20,465
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	8,740	11,856	59,248
Spice and extract manufacturing	<1	922	1,123	5,124
All other food manufacturing	<1	11,264	13,116	61,993
Bottled and canned soft drinks & water	<1	29,026	37,095	178,067
Manufactured ice	<1	1,332	692	3,236

## Appendix

Breweries	<1	24,743	38,909	118,900
Wineries	<1	3,932	5,372	25,908
Distilleries	<1	1,098	4,876	12,802
Tobacco product manufacturing	<1	78	1,862	3,654
Fiber, yarn, and thread mills	<1	865	1,061	4,669
Broadwoven fabric mills	<1	848	1,104	4,383
Narrow fabric mills and schiffli machine embroidery	<1	376	408	1,209
Nonwoven fabric mills	<1	1,007	1,453	6,466
Knit fabric mills	<1	97	118	376
Textile and fabric finishing mills	<1	2,776	3,366	10,272
Fabric coating mills	<1	5,357	6,402	22,197
Carpet and rug mills	<1	1,594	2,197	9,573
Curtain and linen mills	<1	1,659	1,941	5,762
Textile bag and canvas mills	<1	2,277	2,766	8,213
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,482	1,904	5,703
Other textile product mills	<1	1,419	1,607	4,547
Hosiery and sock mills	<1	155	210	456
Other apparel knitting mills	<1	202	270	617
Cut and sew apparel contractors	<1	2,594	3,090	6,014
Men's and boys' cut and sew apparel manufacturing	<1	1,000	1,419	3,501
Women's and girls' cut and sew apparel manufacturing	<1	1,149	2,443	7,499
Other cut and sew apparel manufacturing	<1	558	913	2,423
Apparel accessories and other apparel manufacturing	<1	504	841	1,948
Leather and hide tanning and finishing	<1	57	127	242
Footwear manufacturing	<1	5,955	6,890	14,271
Other leather and allied product manufacturing	<1	1,002	1,295	2,420
Sawmills	<1	1,119	826	6,692
Wood preservation	<1	480	182	4,217
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	807	648	3,182
Reconstituted wood product manufacturing	<1	54	16	398
Wood windows and door manufacturing	<1	12,733	11,268	36,996
Cut stock, resawing lumber, and planing	<1	208	133	767

Appendix

Other millwork, including flooring	<1	5,517	4,454	16,500
Wood container and pallet manufacturing	<1	7,856	6,787	20,582
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	534	400	1,659
All other miscellaneous wood product manufacturing	<1	2,881	2,514	10,966
Pulp mills	0	0	0	0
Paper mills	<1	60,901	41,556	187,039
Paperboard mills	<1	9,964	6,485	27,710
Paperboard container manufacturing	<1	52,773	50,269	179,942
Paper bag and coated and treated paper manufacturing	<1	47,513	42,874	135,496
Stationery product manufacturing	<1	6,124	5,951	17,627
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	8,668	7,588	21,999
Printing	1	125,792	193,465	343,762
Support activities for printing	<1	13,476	20,406	28,089
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	4,899	6,366	16,501
Asphalt shingle and coating materials manufacturing	<1	1,333	3,065	6,302
Petroleum lubricating oil and grease manufacturing	<1	21,347	46,412	111,673
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,768	8,680	18,643
Synthetic dye and pigment manufacturing	<1	530	1,536	3,653
Other basic inorganic chemical manufacturing	<1	7,336	25,329	56,505
Other basic organic chemical manufacturing	<1	7,156	26,839	110,141
Plastics material and resin manufacturing	<1	28,893	72,087	309,819
Synthetic rubber manufacturing	<1	763	1,435	5,667
Artificial and synthetic fibers and filaments manufacturing	<1	323	641	2,664
Nitrogenous fertilizer manufacturing	<1	959	6,216	18,054

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	166	533	1,261
Pesticide and other agricultural chemical manufacturing	<1	562	3,407	9,529
Medicinal and botanical manufacturing	<1	1,225	3,086	8,518
Pharmaceutical preparation manufacturing	<1	83,941	365,874	619,650
In-vitro diagnostic substance manufacturing	<1	6,630	14,286	27,309
Biological product (except diagnostic) manufacturing	<1	11,429	61,486	91,904
Paint and coating manufacturing	<1	4,697	14,844	42,177
Adhesive manufacturing	<1	5,928	14,205	37,399
Soap and other detergent manufacturing	<1	1,913	9,329	27,505
Polish and other sanitation good manufacturing	<1	7,064	18,013	39,685
Surface active agent manufacturing	<1	123	939	2,378
Toilet preparation manufacturing	<1	152	790	1,802
Printing ink manufacturing	<1	3,189	3,898	12,823
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	29,182	71,669	203,602
Photographic film and chemical manufacturing	<1	1,174	4,170	11,831
Other miscellaneous chemical product manufacturing	<1	22,087	53,109	144,790
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	60,666	74,970	319,701
Unlaminated plastics profile shape manufacturing	<1	15,488	21,737	102,932
Plastics pipe and pipe fitting manufacturing	<1	2,344	3,537	17,642
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,067	1,272	4,558
Polystyrene foam product manufacturing	<1	8,174	10,215	44,226
Urethane and other foam product (except polystyrene) manufacturing	<1	9,196	11,071	43,982
Plastics bottle manufacturing	<1	1,064	1,276	6,694
Other plastics product manufacturing	<1	78,956	90,899	310,305
Tire manufacturing	0	0	0	0

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	267	323	1,184
Other rubber product manufacturing	<1	15,055	16,552	57,286
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,503	2,349	5,070
Brick, tile, and other structural clay product manufacturing	<1	3,687	6,268	12,576
Flat glass manufacturing	<1	15,043	29,248	68,261
Other pressed and blown glass and glassware manufacturing	<1	28,595	46,630	114,700
Glass container manufacturing	<1	538	853	2,099
Glass product manufacturing made of purchased glass	<1	18,125	32,586	84,908
Cement manufacturing	<1	511	1,160	2,978
Ready-mix concrete manufacturing	<1	4,906	8,013	23,955
Concrete block and brick manufacturing	<1	1,677	2,990	7,437
Concrete pipe manufacturing	<1	131	218	528
Other concrete product manufacturing	<1	4,048	6,076	15,241
Lime manufacturing	<1	865	1,893	4,835
Gypsum product manufacturing	<1	158	452	1,554
Abrasive product manufacturing	<1	2,052	4,415	7,775
Cut stone and stone product manufacturing	<1	3,290	4,290	8,976
Ground or treated mineral and earth manufacturing	<1	1,193	2,829	6,611
Mineral wool manufacturing	<1	433	1,158	2,878
Miscellaneous nonmetallic mineral products manufacturing	<1	211	494	1,203
Iron and steel mills and ferroalloy manufacturing	<1	268	483	4,765
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,215	1,917	13,530
Rolled steel shape manufacturing	<1	12,358	26,453	154,298
Steel wire drawing	<1	211	311	1,722
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,185	1,825	9,692
Other aluminum rolling, drawing and extruding	<1	367	450	2,563
Nonferrous metal (exc aluminum) smelting and refining	<1	629	2,334	9,677



## Appendix

Copper rolling, drawing, extruding and alloying	<1	10,598	16,443	170,848
Nonferrous metal, except copper and aluminum, shaping	<1	430	482	2,265
Secondary processing of other nonferrous metals	<1	309	454	2,720
Ferrous metal foundries	<1	2,716	3,455	10,151
Nonferrous metal foundries	<1	11,895	13,708	36,741
Custom roll forming	<1	496	687	3,135
Crown and closure manufacturing and metal stamping	<1	9,761	12,327	36,243
Iron and steel forging	<1	1,374	1,819	6,818
Nonferrous forging	<1	1,170	1,441	4,436
Cutlery, utensil, pot, and pan manufacturing	<1	11,362	22,020	52,943
Handtool manufacturing	<1	20,549	30,521	61,659
Prefabricated metal buildings and components manufacturing	<1	335	488	1,858
Fabricated structural metal manufacturing	<1	4,336	6,093	19,584
Plate work manufacturing	<1	3,651	4,107	12,133
Metal window and door manufacturing	<1	1,405	1,885	6,131
Sheet metal work manufacturing	1	97,310	126,993	333,430
Ornamental and architectural metal work manufacturing	<1	5,882	6,976	17,132
Power boiler and heat exchanger manufacturing	<1	463	605	1,751
Metal tank (heavy gauge) manufacturing	<1	1,123	1,338	3,823
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	533	678	2,650
Hardware manufacturing	<1	978	1,405	6,071
Spring and wire product manufacturing	<1	3,095	3,953	13,248
Machine shops	1	92,493	107,005	217,222
Turned product and screw, nut, and bolt manufacturing	<1	21,848	27,040	68,837
Metal heat treating	<1	3,658	4,640	12,754
Metal coating and nonprecious engraving	<1	15,186	24,239	68,327
Electroplating, anodizing, and coloring metal	<1	13,670	14,836	33,105
Valve and fittings, other than plumbing, manufacturing	<1	4,705	6,500	15,318
Plumbing fixture fitting and trim manufacturing	<1	2,968	6,203	19,901

## Appendix

Ball and roller bearing manufacturing	<1	423	645	1,921
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	354	400	810
Small arms, ordnance, and accessories manufacturing	<1	9,551	18,433	55,651
Fabricated pipe and pipe fitting manufacturing	<1	475	574	1,337
Other fabricated metal manufacturing	<1	8,243	10,544	30,081
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	286	500	2,156
Construction machinery manufacturing	<1	18	41	135
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	847	1,025	2,954
Food product machinery manufacturing	<1	20	24	68
Sawmill, woodworking, and paper machinery	<1	314	354	692
Printing machinery and equipment manufacturing	<1	96	107	273
All other industrial machinery manufacturing	<1	637	809	1,834
Optical instrument and lens manufacturing	41	4,882,811	7,359,473	16,674,136
Photographic and photocopying equipment manufacturing	<1	184	224	627
Other commercial service industry machinery manufacturing	<1	12,766	20,485	53,510
Air purification and ventilation equipment manufacturing	<1	475	617	1,521
Heating equipment (except warm air furnaces) manufacturing	<1	3,379	5,222	15,299
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,457	4,240	11,342
Industrial mold manufacturing	<1	648	785	1,740
Special tool, die, jig, and fixture manufacturing	<1	493	650	1,250

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	1,175	1,372	3,318
Machine tool manufacturing	<1	157	200	570
Rolling mill and other metalworking machinery manufacturing	<1	540	721	1,580
Turbine and turbine generator set units manufacturing	<1	28	31	95
Speed changer, industrial high-speed drive, and gear manufacturing	<1	897	1,291	3,569
Mechanical power transmission equipment manufacturing	<1	2,410	3,439	8,177
Other engine equipment manufacturing	<1	145	329	1,207
Pump and pumping equipment manufacturing	<1	183	304	726
Air and gas compressor manufacturing	<1	39	53	152
Elevator and moving stairway manufacturing	<1	3	4	11
Conveyor and conveying equipment manufacturing	<1	81	93	254
Overhead cranes, hoists, and monorail systems manufacturing	<1	50	87	261
Industrial truck, trailer, and stacker manufacturing	<1	39	65	188
Power-driven handtool manufacturing	<1	102	278	793
Welding and soldering equipment manufacturing	<1	31	47	157
Packaging machinery manufacturing	<1	254	372	991
Industrial process furnace and oven manufacturing	<1	70	86	204
Fluid power cylinder and actuator manufacturing	<1	373	534	1,209
Fluid power pump and motor manufacturing	<1	30	48	143
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	844	1,044	2,764
Electronic computer manufacturing	<1	139,937	198,886	485,183
Computer storage device manufacturing	<1	3,880	5,799	17,044
Computer terminals and other computer peripheral equipment manufacturing	<1	13,552	18,850	46,405
Telephone apparatus manufacturing	<1	2,026	3,200	8,007

Appendix

Broadcast and wireless communications equipment manufacturing	<1	87	115	314
Other communications equipment manufacturing	<1	1,229	1,939	5,711
Audio and video equipment manufacturing	<1	2,551	4,244	15,927
Printed circuit assembly (electronic assembly) manufacturing	<1	13,243	20,203	81,007
Bare printed circuit board manufacturing	<1	3,088	3,717	9,060
Semiconductor and related device manufacturing	<1	47,425	73,539	250,543
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	7,521	9,269	23,284
Electronic connector manufacturing	<1	4,798	6,325	18,664
Other electronic component manufacturing	2	152,491	196,439	577,366
Electromedical and electrotherapeutic apparatus manufacturing	<1	2,411	3,823	8,963
Search, detection, and navigation instruments manufacturing	<1	7,387	12,080	30,126
Automatic environmental control manufacturing	<1	807	1,058	2,330
Industrial process variable instruments manufacturing	<1	2,977	4,175	9,616
Totalizing fluid meter and counting device manufacturing	<1	51	99	274
Electricity and signal testing instruments manufacturing	<1	44,815	55,370	107,949
Analytical laboratory instrument manufacturing	1	267,215	422,896	843,300
Irradiation apparatus manufacturing	<1	133	230	642
Watch, clock, and other measuring and controlling device manufacturing	<1	21,340	29,786	101,336
Blank magnetic and optical recording media manufacturing	<1	26	87	312
Software and other prerecorded and record reproducing	<1	44	62	144
Electric lamp bulb and part manufacturing	<1	18,351	25,699	67,763
Lighting fixture manufacturing	<1	1,967	2,844	8,792
Small electrical appliance manufacturing	<1	676	1,845	5,228

## Appendix

Household cooking appliance manufacturing	<1	308	948	2,618
Household refrigerator and home freezer manufacturing	<1	378	1,069	2,806
Household laundry equipment manufacturing	<1	1,198	2,391	8,051
Other major household appliance manufacturing	<1	151	505	1,180
Power, distribution, and specialty transformer manufacturing	<1	23	37	94
Motor and generator manufacturing	<1	179	401	1,089
Switchgear and switchboard apparatus manufacturing	<1	788	1,756	4,332
Relay and industrial control manufacturing	<1	12,283	17,970	36,994
Storage battery manufacturing	<1	2,626	5,045	14,460
Primary battery manufacturing	<1	436	3,999	3,927
Fiber optic cable manufacturing	<1	2,910	4,946	16,577
Other communication and energy wire manufacturing	<1	2,680	5,776	20,255
Wiring device manufacturing	<1	2,451	5,987	13,237
Carbon and graphite product manufacturing	<1	1,057	1,872	5,057
All other miscellaneous electrical equipment and component manufacturing	<1	1,392	1,689	4,475
Automobile manufacturing	<1	1,844	2,347	31,246
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	269	283	943
Truck trailer manufacturing	<1	2	2	13
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	349	365	1,965
Motor vehicle gasoline engine and engine parts manufacturing	<1	11	13	141
Motor vehicle electrical and electronic equipment manufacturing	<1	418	725	2,690
Motor vehicle transmission and power train parts manufacturing	<1	39	42	391
Motor vehicle seating and interior trim manufacturing	<1	119	125	913
Motor vehicle metal stamping	<1	378	391	2,096
Other motor vehicle parts manufacturing	<1	2,030	2,104	11,659

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	652	662	4,202
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	2,375	2,896	8,696
Other aircraft parts and auxiliary equipment manufacturing	<1	86	98	245
Guided missile and space vehicle manufacturing	<1	1,162	1,189	2,842
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,400	1,458	2,972
Railroad rolling stock manufacturing	<1	13	14	70
Ship building and repairing	<1	90	96	259
Boat building	<1	2,123	2,423	8,503
Motorcycle, bicycle, and parts manufacturing	<1	65	68	342
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	126	158	999
Wood kitchen cabinet and countertop manufacturing	<1	5,400	5,720	14,474
Upholstered household furniture manufacturing	<1	467	484	1,522
Nonupholstered wood household furniture manufacturing	<1	2,396	2,462	6,751
Other household nonupholstered furniture manufacturing	<1	745	867	3,026
Institutional furniture manufacturing	<1	76	78	278
Wood office furniture manufacturing	<1	7	8	25
Custom architectural woodwork and millwork	<1	540	496	1,283
Office furniture, except wood, manufacturing	<1	380	415	1,901
Showcase, partition, shelving, and locker manufacturing	<1	684	727	2,359
Mattress manufacturing	<1	814	945	5,301
Blind and shade manufacturing	<1	91	91	318
Surgical and medical instrument manufacturing	<1	11,283	16,949	29,688
Surgical appliance and supplies manufacturing	<1	10,414	19,381	35,765

## Appendix

Dental equipment and supplies manufacturing	<1	437	714	1,447
Ophthalmic goods manufacturing	<1	3,697	6,901	13,150
Dental laboratories	<1	2,338	2,651	4,330
Jewelry and silverware manufacturing	<1	6,043	9,373	22,021
Sporting and athletic goods manufacturing	<1	13,105	18,784	42,084
Doll, toy, and game manufacturing	<1	4,203	7,735	22,497
Office supplies (except paper) manufacturing	<1	823	1,228	2,901
Sign manufacturing	<1	7,562	7,162	14,063
Gasket, packing, and sealing device manufacturing	<1	19,417	21,759	44,509
Musical instrument manufacturing	<1	1,401	1,543	3,123
Fasteners, buttons, needles, and pins manufacturing	<1	481	564	1,263
Broom, brush, and mop manufacturing	<1	867	1,249	2,955
Burial casket manufacturing	<1	1,173	1,718	3,857
All other miscellaneous manufacturing	<1	3,461	4,844	13,925
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	51,367	103,822	232,601
Wholesale - Professional and commercial equipment and supplies	4	663,933	995,738	1,651,332
Wholesale - Household appliances and electrical and electronic goods	1	203,531	438,471	864,106
Wholesale - Machinery, equipment, and supplies	1	132,017	228,614	409,433
Wholesale - Other durable goods merchant wholesalers	3	293,678	496,716	974,434
Wholesale - Drugs and druggists'sundries	<1	192,896	437,741	853,612
Wholesale - Grocery and related product wholesalers	2	190,028	270,835	541,787
Wholesale - Petroleum and petroleum products	<1	20,528	254,319	306,579
Wholesale - Other nondurable goods merchant wholesalers	3	347,015	691,834	1,263,663
Wholesale - Wholesale electronic markets and agents and brokers	1	221,126	246,886	287,015
Retail - Motor vehicle and parts dealers	2	182,169	226,847	319,272
Retail - Furniture and home furnishings stores	1	139,689	163,504	231,763

## Appendix

Retail - Electronics and appliance stores	2	129,131	111,017	171,762
Retail - Building material and garden equipment and supplies stores	2	111,009	189,110	268,302
Retail - Food and beverage stores	9	362,052	480,258	790,043
Retail - Health and personal care stores	4	202,445	246,099	368,812
Retail - Gasoline stores	2	55,407	112,905	230,213
Retail - Clothing and clothing accessories stores	4	174,464	240,934	473,675
Retail - Sporting goods, hobby, musical instrument and book stores	2	104,147	125,421	196,640
Retail - General merchandise stores	5	194,108	277,425	486,937
Retail - Miscellaneous store retailers	6	209,793	201,354	328,099
Retail - Nonstore retailers	6	177,873	907,232	1,444,706
Air transportation	2	193,429	350,011	770,737
Rail transportation	<1	58,800	83,469	212,033
Water transportation	<1	30,301	130,586	240,013
Truck transportation	3	285,187	413,399	829,441
Transit and ground passenger transportation	10	313,958	342,425	504,725
Pipeline transportation	<1	21,899	43,295	64,489
Scenic and sightseeing transportation and support activities for transportation	3	190,182	146,159	248,318
Couriers and messengers	6	147,286	280,248	348,515
Warehousing and storage	2	179,785	189,712	310,151
Newspaper publishers	<1	36,770	53,891	78,893
Periodical publishers	<1	53,281	67,627	111,169
Book publishers	<1	78,643	174,169	303,357
Directory, mailing list, and other publishers	<1	47,403	95,996	148,289
Greeting card publishing	<1	2,130	6,067	11,394
Software publishers	5	1,093,132	1,781,703	2,305,539
Motion picture and video industries	<1	88,394	141,184	302,586
Sound recording industries	<1	7,076	46,204	77,825
Radio and television broadcasting	1	236,391	292,354	708,956
Cable and other subscription programming	<1	69,972	261,279	626,484
Wired telecommunications carriers	1	137,506	209,792	438,242



## Appendix

Wireless telecommunications carriers (except satellite)	<1	58,712	259,436	898,132
Satellite, telecommunications resellers, and all other telecommunications	<1	83,075	89,439	192,942
Data processing, hosting, and related services	3	488,296	911,633	2,116,565
News syndicates, libraries, archives and all other information services	<1	49,474	75,449	137,111
Internet publishing and broadcasting and web search portals	2	597,187	1,486,959	3,724,640
Nondepository credit intermediation and related activities	2	270,797	291,910	400,913
Securities and commodity contracts intermediation and brokerage	7	1,236,331	522,831	940,375
Monetary authorities and depository credit intermediation	8	1,198,944	3,455,222	4,670,886
Other financial investment activities	9	1,535,077	1,608,550	2,510,534
Direct life insurance carriers	1	297,350	522,913	666,639
Insurance carriers, except direct life	4	577,134	1,504,915	2,934,941
Insurance agencies, brokerages, and related activities	4	521,559	773,325	1,543,913
Funds, trusts, and other financial vehicles	2	129,023	248,356	670,296
Other real estate	33	1,236,274	3,641,696	7,776,878
Tenant-occupied housing	3	99,486	1,489,596	1,575,396
Owner-occupied dwellings	0	0	4,740,230	5,755,853
Automotive equipment rental and leasing	<1	105,727	202,847	256,631
General and consumer goods rental except video tapes and discs	<1	86,553	116,376	156,475
Video tape and disc rental	<1	20,685	29,676	46,740
Commercial and industrial machinery and equipment rental and leasing	<1	140,945	245,769	302,187
Lessors of nonfinancial intangible assets	<1	21,383	336,146	361,048
Legal services	10	1,542,981	2,428,442	3,080,187
Accounting, tax preparation, bookkeeping, and payroll services	4	545,798	865,265	1,145,516
Architectural, engineering, and related services	4	511,485	615,619	951,795
Specialized design services	<1	56,183	136,045	197,599

## Appendix

Custom computer programming services	12	1,893,033	1,923,345	2,478,145
Computer systems design services	3	466,242	449,992	540,187
Other computer related services, including facilities management	<1	168,385	237,931	366,061
Management consulting services	13	1,975,508	2,081,169	2,880,700
Environmental and other technical consulting services	2	238,524	290,217	403,693
Scientific research and development services	158	27,177,741	32,749,669	51,618,058
Advertising, public relations, and related services	4	457,212	988,811	1,583,190
Photographic services	<1	9,915	37,242	62,617
Veterinary services	<1	61,480	77,347	107,896
Marketing research and all other miscellaneous professional, scientific, and technical services	3	433,686	1,082,204	1,655,206
Management of companies and enterprises	17	2,908,996	3,223,553	4,815,820
Office administrative services	2	284,769	75,231	195,875
Facilities support services	<1	24,659	30,718	64,035
Employment services	25	1,698,627	2,136,300	3,355,474
Business support services	2	119,074	99,023	163,124
Travel arrangement and reservation services	1	112,526	159,731	434,183
Investigation and security services	3	181,452	183,592	258,465
Services to buildings	6	269,415	344,211	683,712
Landscape and horticultural services	3	180,554	207,869	362,926
Other support services	<1	62,880	74,215	139,050
Waste management and remediation services	1	129,882	209,213	382,175
Elementary and secondary schools	4	282,472	212,886	249,000
Junior colleges, colleges, universities, and professional schools	27	1,787,785	2,171,279	2,785,079
Other educational services	2	139,237	152,583	269,028
Offices of physicians	10	1,380,676	1,385,402	1,903,147
Offices of dentists	4	295,576	346,333	455,239
Offices of other health practitioners	3	223,971	324,737	410,084
Outpatient care centers	4	363,399	357,787	538,720
Medical and diagnostic laboratories	1	118,726	183,283	242,090
Home health care services	7	410,835	407,540	518,774

## Appendix

Other ambulatory health care services	1	110,256	127,636	188,023
Hospitals	21	2,287,382	2,711,700	4,729,806
Nursing and community care facilities	5	339,650	356,277	550,853
Residential mental retardation, mental health, substance abuse and other facilities	3	206,412	211,501	296,036
Individual and family services	17	653,028	566,145	780,687
Child day care services	4	197,597	289,713	365,876
Community food, housing, and other relief services, including rehabilitation services	3	140,747	133,060	254,029
Performing arts companies	1	43,065	82,693	138,039
Commercial Sports Except Racing	3	159,710	146,569	208,643
Racing and Track Operation	<1	16,458	22,053	36,441
Independent artists, writers, and performers	<1	31,214	101,031	132,347
Promoters of performing arts and sports and agents for public figures	2	55,073	157,946	296,939
Museums, historical sites, zoos, and parks	<1	32,887	40,165	67,120
Amusement parks and arcades	<1	8,217	10,296	12,054
Gambling industries (except casino hotels)	1	88,904	240,632	309,495
Other amusement and recreation industries	2	106,126	86,850	121,265
Fitness and recreational sports centers	2	58,909	66,730	101,861
Bowling centers	<1	7,542	10,778	15,848
Hotels and motels, including casino hotels	3	189,486	354,204	495,499
Other accommodations	1	77,220	94,732	118,985
Full-service restaurants	17	702,765	1,040,884	1,820,683
Limited-service restaurants	11	357,426	546,450	1,160,199
All other food and drinking places	10	436,314	607,679	922,605
Automotive repair and maintenance, except car washes	5	363,083	363,957	517,312
Car washes	2	159,354	201,781	292,326
Electronic and precision equipment repair and maintenance	1	111,855	133,898	199,662
Commercial and industrial machinery and equipment repair and maintenance	1	142,176	149,270	214,198
Personal and household goods repair and maintenance	<1	50,369	96,033	128,274

## Appendix

Personal care services	6	199,189	118,771	145,376
Death care services	<1	35,661	24,080	32,225
Dry-cleaning and laundry services	4	166,066	102,365	130,800
Other personal services	3	137,567	169,809	232,301
Religious organizations	1	95,743	51,651	131,674
Grantmaking, giving, and social advocacy organizations	2	156,158	485,139	657,495
Business and professional associations	<1	100,356	165,118	254,104
Labor and civic organizations	3	99,520	298,323	502,091
Private households	3	66,674	66,674	66,965
Postal service	2	182,228	183,882	185,262
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	6,154	25,459	38,896
State government passenger transit	<1	68,240	-226,057	8,981
State government electric utilities	0	0	0	0
Other state government enterprises	<1	36,739	-2,768	26,483
Local government passenger transit	<1	4,395	-1,491	507
Local government electric utilities	<1	21,216	42,145	101,815
Other local government enterprises	<1	77,719	-211,645	88,840
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	21	3,284,058	5,941,691	6,602,024

## Michigan

## NASA

Table 691: Detailed NASA Impacts by Types of Impact, Michigan

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>912</i>	<i>71,603,430</i>	<i>106,231,466</i>	<i>204,268,786</i>
Oilseed farming	<1	56,648	249,783	348,095
Grain farming	3	110,362	291,261	763,618
Vegetable and melon farming	<1	23,972	46,912	87,187
Fruit farming	<1	14,555	27,147	39,660
Tree nut farming	<1	10	20	30
Greenhouse, nursery, and floriculture production	<1	17,741	32,442	61,534
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	14,190	24,578	47,174
All other crop farming	<1	4,111	6,989	13,585
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	10,529	31,010	77,684
Dairy cattle and milk production	<1	13,497	31,093	143,886
Poultry and egg production	<1	6,145	14,001	119,740
Animal production, except cattle and poultry and eggs	2	71,904	265,504	301,029
Forestry, forest products, and timber tract production	<1	2,470	2,946	4,241
Commercial logging	<1	9,407	11,283	21,096
Commercial fishing	<1	479	5,250	5,299
Commercial hunting and trapping	<1	872	3,909	5,050
Support activities for agriculture and forestry	2	65,153	68,349	76,923
Oil and gas extraction	<1	19,063	21,752	464,891
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	22,029	123,418	187,794
Iron ore mining	<1	7,642	21,065	40,029
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	67	262	414
Other metal ore mining	<1	104	260	443
Stone mining and quarrying	<1	4,643	22,625	33,736
Sand and gravel mining	<1	8,169	16,801	28,491

## Appendix

Other clay, ceramic, refractory minerals mining	<1	240	548	1,046
Potash, soda, and borate mineral mining	<1	561	912	1,655
Phosphate rock mining	<1	189	414	735
Other chemical and fertilizer mineral mining	<1	228	385	703
Other nonmetallic minerals	<1	752	1,546	2,762
Drilling oil and gas wells	<1	3	6	22
Support activities for oil and gas operations	<1	211	256	764
Metal mining services	<1	452	548	7,430
Other nonmetallic minerals services	<1	21	27	376
Electric power generation - Hydroelectric	<1	5,770	12,462	25,636
Electric power generation - Fossil fuel	<1	99,469	320,452	819,531
Electric power generation - Nuclear	<1	108,094	203,155	434,006
Electric power generation - Solar	<1	969	2,079	4,433
Electric power generation - Wind	<1	1,488	10,277	20,020
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,077	5,681	18,189
Electric power generation - All other	<1	1,431	-577	390
Electric power transmission and distribution	1	263,490	793,683	1,901,007
Natural gas distribution	<1	75,611	232,074	528,823
Water, sewage and other systems	<1	7,065	13,671	25,402
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	5	335,812	336,400	708,867
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	191,283	262,119	706,283
Maintenance and repair construction of residential structures	1	71,113	98,035	247,276
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	59	83	219
Dog and cat food manufacturing	<1	1,816	4,226	15,252
Other animal food manufacturing	<1	7,340	12,754	112,462
Flour milling	<1	6,339	12,203	84,403
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	866	4,527	39,027
Fats and oils refining and blending	<1	584	1,404	16,090
Breakfast cereal manufacturing	<1	40,493	88,563	294,323
Beet sugar manufacturing	<1	7,663	13,250	60,952
Sugar cane mills and refining	<1	14	35	331
Nonchocolate confectionery manufacturing	<1	2,318	3,130	14,269
Chocolate and confectionery manufacturing from cacao beans	<1	501	720	4,155
Confectionery manufacturing from purchased chocolate	<1	1,575	2,191	13,892
Frozen fruits, juices and vegetables manufacturing	<1	9,835	18,823	84,517
Frozen specialties manufacturing	<1	8,324	10,838	45,889
Canned fruits and vegetables manufacturing	<1	9,157	16,291	73,048
Canned specialties	<1	4,418	9,229	45,172
Dehydrated food products manufacturing	<1	429	728	3,414
Cheese manufacturing	<1	3,753	5,012	52,622
Dry, condensed, and evaporated dairy product manufacturing	<1	10,601	22,728	132,088
Fluid milk manufacturing	<1	7,671	11,527	74,559
Creamery butter manufacturing	<1	846	2,505	16,289
Ice cream and frozen dessert manufacturing	<1	3,095	4,188	18,963



## Appendix

Frozen cakes and other pastries manufacturing	<1	9,888	14,685	28,323
Poultry processing	<1	10,071	12,176	54,702
Animal, except poultry, slaughtering	<1	14,246	16,985	145,832
Meat processed from carcasses	<1	33,759	32,032	260,846
Rendering and meat byproduct processing	<1	549	702	3,277
Seafood product preparation and packaging	<1	2,579	3,316	15,276
Bread and bakery product, except frozen, manufacturing	<1	39,447	55,485	140,696
Cookie and cracker manufacturing	<1	8,869	12,058	36,863
Dry pasta, mixes, and dough manufacturing	<1	6,117	12,712	37,796
Tortilla manufacturing	<1	1,223	1,561	6,051
Roasted nuts and peanut butter manufacturing	<1	3,837	7,860	28,263
Other snack food manufacturing	<1	5,636	11,991	52,145
Coffee and tea manufacturing	<1	1,975	3,376	23,122
Flavoring syrup and concentrate manufacturing	<1	641	4,155	11,520
Mayonnaise, dressing, and sauce manufacturing	<1	1,178	2,061	11,749
Spice and extract manufacturing	<1	5,000	7,612	28,528
All other food manufacturing	<1	6,139	8,295	36,503
Bottled and canned soft drinks & water	<1	24,030	38,483	180,882
Manufactured ice	<1	1,584	1,032	5,453
Breweries	<1	15,030	26,830	93,106
Wineries	<1	6,373	10,150	48,448
Distilleries	<1	4,407	16,479	55,906
Tobacco product manufacturing	<1	2,105	48,692	105,407
Fiber, yarn, and thread mills	<1	303	379	2,606
Broadwoven fabric mills	<1	220	276	992
Narrow fabric mills and schiffli machine embroidery	<1	82	89	286
Nonwoven fabric mills	<1	186	242	956
Knit fabric mills	<1	43	51	163
Textile and fabric finishing mills	<1	310	370	1,797
Fabric coating mills	<1	268	306	1,353
Carpet and rug mills	<1	3,785	4,923	18,215
Curtain and linen mills	<1	315	366	1,412
Textile bag and canvas mills	<1	2,602	3,061	8,716
Rope, cordage, twine, tire cord and tire fabric mills	<1	434	556	1,555

## Appendix

Other textile product mills	<1	1,963	2,186	6,422
Hosiery and sock mills	<1	88	140	344
Other apparel knitting mills	<1	110	181	469
Cut and sew apparel contractors	<1	1,331	1,425	2,860
Men's and boys' cut and sew apparel manufacturing	<1	1,801	1,813	3,959
Women's and girls' cut and sew apparel manufacturing	<1	1,833	1,688	6,212
Other cut and sew apparel manufacturing	<1	1,026	1,037	2,659
Apparel accessories and other apparel manufacturing	<1	582	597	2,045
Leather and hide tanning and finishing	<1	836	867	3,835
Footwear manufacturing	<1	950	974	2,685
Other leather and allied product manufacturing	<1	174	173	457
Sawmills	<1	11,572	20,421	79,509
Wood preservation	<1	583	1,606	7,014
Veneer and plywood manufacturing	<1	3,864	6,104	21,510
Engineered wood member and truss manufacturing	<1	1,947	3,174	9,420
Reconstituted wood product manufacturing	<1	3,778	11,202	41,128
Wood windows and door manufacturing	<1	11,260	15,115	41,726
Cut stock, resawing lumber, and planing	<1	2,999	5,916	17,858
Other millwork, including flooring	<1	5,141	8,248	23,128
Wood container and pallet manufacturing	<1	8,334	11,343	28,611
Manufactured home (mobile home) manufacturing	<1	11	15	35
Prefabricated wood building manufacturing	<1	1,845	3,131	9,159
All other miscellaneous wood product manufacturing	<1	3,965	5,471	17,241
Pulp mills	<1	138	161	768
Paper mills	<1	31,514	45,954	198,064
Paperboard mills	<1	8,544	12,363	61,241
Paperboard container manufacturing	<1	41,694	51,928	263,152
Paper bag and coated and treated paper manufacturing	<1	8,908	10,874	37,853
Stationery product manufacturing	<1	1,183	1,332	5,434

## Appendix

Sanitary paper product manufacturing	<1	203	390	2,532
All other converted paper product manufacturing	<1	6,798	8,766	29,278
Printing	2	174,797	228,581	479,698
Support activities for printing	<1	12,290	15,937	24,734
Petroleum refineries	<1	38,096	96,192	601,081
Asphalt paving mixture and block manufacturing	<1	2,815	3,172	8,208
Asphalt shingle and coating materials manufacturing	<1	1,660	2,418	5,619
Petroleum lubricating oil and grease manufacturing	<1	33,975	46,398	112,936
All other petroleum and coal products manufacturing	<1	11,830	18,351	44,783
Petrochemical manufacturing	<1	1,883	24,314	102,152
Industrial gas manufacturing	<1	13,923	41,040	126,594
Synthetic dye and pigment manufacturing	<1	1,616	3,164	9,857
Other basic inorganic chemical manufacturing	<1	11,978	26,887	79,820
Other basic organic chemical manufacturing	<1	10,235	25,221	182,342
Plastics material and resin manufacturing	<1	58,660	106,374	568,767
Synthetic rubber manufacturing	<1	435	648	3,522
Artificial and synthetic fibers and filaments manufacturing	<1	796	1,213	6,527
Nitrogenous fertilizer manufacturing	<1	261	916	3,487
Phosphatic fertilizer manufacturing	<1	90	246	987
Fertilizer mixing	<1	441	876	2,796
Pesticide and other agricultural chemical manufacturing	<1	6,528	22,497	69,642
Medicinal and botanical manufacturing	<1	2,345	3,604	11,659
Pharmaceutical preparation manufacturing	<1	49,276	125,907	352,282
In-vitro diagnostic substance manufacturing	<1	202	287	579
Biological product (except diagnostic) manufacturing	<1	2,381	6,591	12,449
Paint and coating manufacturing	<1	13,462	26,838	89,168
Adhesive manufacturing	<1	4,764	7,602	29,229
Soap and other detergent manufacturing	<1	23,860	62,665	173,806
Polish and other sanitation good manufacturing	<1	4,818	7,778	23,340

## Appendix

Surface active agent manufacturing	<1	231	911	3,218
Toilet preparation manufacturing	<1	730	2,067	5,861
Printing ink manufacturing	<1	1,181	1,308	4,490
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	13,554	25,894	90,715
Photographic film and chemical manufacturing	<1	1,039	2,203	8,315
Other miscellaneous chemical product manufacturing	<1	28,681	45,765	177,831
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	14,724	19,748	87,820
Unlaminated plastics profile shape manufacturing	<1	5,658	9,324	37,603
Plastics pipe and pipe fitting manufacturing	<1	8,603	17,090	83,001
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,025	6,803	23,382
Polystyrene foam product manufacturing	<1	15,995	22,739	84,599
Urethane and other foam product (except polystyrene) manufacturing	<1	10,107	13,936	65,582
Plastics bottle manufacturing	<1	3,935	5,081	14,463
Other plastics product manufacturing	1	87,635	111,440	398,428
Tire manufacturing	<1	4,811	5,738	22,804
Rubber and plastics hoses and belting manufacturing	<1	3,867	5,180	19,556
Other rubber product manufacturing	<1	18,838	21,701	76,169
Pottery, ceramics, and plumbing fixture manufacturing	<1	87	142	633
Brick, tile, and other structural clay product manufacturing	<1	2,655	4,300	9,026
Flat glass manufacturing	<1	2,281	4,302	9,462
Other pressed and blown glass and glassware manufacturing	<1	45	72	153
Glass container manufacturing	<1	72	112	253
Glass product manufacturing made of purchased glass	<1	11,668	20,277	47,310
Cement manufacturing	<1	4,569	9,974	24,278
Ready-mix concrete manufacturing	<1	17,922	28,396	80,995
Concrete block and brick manufacturing	<1	6,984	11,920	28,682
Concrete pipe manufacturing	<1	3,466	5,511	12,382

## Appendix

Other concrete product manufacturing	<1	7,106	10,208	24,054
Lime manufacturing	<1	209	427	1,224
Gypsum product manufacturing	<1	2,412	6,495	16,430
Abrasive product manufacturing	<1	3,893	7,945	13,724
Cut stone and stone product manufacturing	<1	3,923	5,002	10,643
Ground or treated mineral and earth manufacturing	<1	6,662	14,358	27,839
Mineral wool manufacturing	<1	1,521	3,807	9,430
Miscellaneous nonmetallic mineral products manufacturing	<1	3,722	8,138	16,758
Iron and steel mills and ferroalloy manufacturing	<1	18,423	35,440	243,077
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,049	3,488	18,443
Rolled steel shape manufacturing	<1	2,818	6,627	34,555
Steel wire drawing	<1	563	885	4,515
Alumina refining and primary aluminum production	<1	3,591	5,210	40,412
Secondary smelting and alloying of aluminum	<1	162	254	2,051
Aluminum sheet, plate, and foil manufacturing	<1	1,001	1,645	5,821
Other aluminum rolling, drawing and extruding	<1	3,347	4,250	22,883
Nonferrous metal (exc aluminum) smelting and refining	<1	422	1,757	7,692
Copper rolling, drawing, extruding and alloying	<1	4,333	7,176	80,748
Nonferrous metal, except copper and aluminum, shaping	<1	678	778	3,510
Secondary processing of other nonferrous metals	<1	2,894	4,747	26,267
Ferrous metal foundries	<1	5,046	6,676	19,415
Nonferrous metal foundries	<1	20,923	24,553	60,977
Custom roll forming	<1	2,442	3,203	17,735
Crown and closure manufacturing and metal stamping	<1	11,687	14,220	45,746
Iron and steel forging	<1	9,279	11,605	44,115
Nonferrous forging	<1	1,968	2,357	8,710
Cutlery, utensil, pot, and pan manufacturing	<1	383	686	3,541
Handtool manufacturing	<1	4,210	5,968	14,061
Prefabricated metal buildings and components manufacturing	<1	2,470	3,288	11,168

## Appendix

Fabricated structural metal manufacturing	<1	12,854	17,429	65,360
Plate work manufacturing	<1	6,988	7,724	24,162
Metal window and door manufacturing	<1	5,117	6,560	22,082
Sheet metal work manufacturing	<1	19,502	24,336	69,690
Ornamental and architectural metal work manufacturing	<1	3,417	3,942	11,539
Power boiler and heat exchanger manufacturing	<1	80	102	287
Metal tank (heavy gauge) manufacturing	<1	553	649	2,342
Metal cans manufacturing	<1	66	104	354
Metal barrels, drums and pails manufacturing	<1	1,149	1,404	5,865
Hardware manufacturing	<1	4,138	5,578	21,279
Spring and wire product manufacturing	<1	5,883	7,213	25,285
Machine shops	1	106,281	120,230	264,757
Turned product and screw, nut, and bolt manufacturing	<1	20,946	25,127	73,221
Metal heat treating	<1	8,973	10,977	30,875
Metal coating and nonprecious engraving	<1	10,893	16,528	54,846
Electroplating, anodizing, and coloring metal	<1	12,010	12,838	29,989
Valve and fittings, other than plumbing, manufacturing	<1	7,021	9,420	31,298
Plumbing fixture fitting and trim manufacturing	<1	1,216	2,340	10,539
Ball and roller bearing manufacturing	<1	5,292	7,579	22,189
Small arms ammunition manufacturing	<1	252	478	1,348
Ammunition, except for small arms, manufacturing	<1	5	6	12
Small arms, ordnance, and accessories manufacturing	<1	220	382	1,133
Fabricated pipe and pipe fitting manufacturing	<1	2,223	2,628	8,422
Other fabricated metal manufacturing	<1	20,735	25,435	73,139
Farm machinery and equipment manufacturing	<1	704	1,244	5,513
Lawn and garden equipment manufacturing	<1	114	193	964
Construction machinery manufacturing	<1	520	1,132	3,977
Mining machinery and equipment manufacturing	<1	167	226	742

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	30	35	84
Food product machinery manufacturing	<1	19	21	67
Sawmill, woodworking, and paper machinery	<1	105	118	349
Printing machinery and equipment manufacturing	<1	197	216	681
All other industrial machinery manufacturing	<1	799	979	2,698
Optical instrument and lens manufacturing	<1	19,611	27,899	79,103
Photographic and photocopying equipment manufacturing	<1	63	75	263
Other commercial service industry machinery manufacturing	<1	764	1,148	4,053
Air purification and ventilation equipment manufacturing	<1	998	1,246	3,216
Heating equipment (except warm air furnaces) manufacturing	<1	887	1,307	3,993
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	12,108	19,423	64,055
Industrial mold manufacturing	<1	2,768	3,227	6,443
Special tool, die, jig, and fixture manufacturing	<1	12,451	16,253	30,683
Cutting tool and machine tool accessory manufacturing	<1	2,864	3,247	7,366
Machine tool manufacturing	<1	818	1,001	2,950
Rolling mill and other metalworking machinery manufacturing	<1	2,024	2,578	5,724
Turbine and turbine generator set units manufacturing	<1	21	23	58
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6,448	9,249	26,096
Mechanical power transmission equipment manufacturing	<1	1,908	2,562	6,577
Other engine equipment manufacturing	<1	20,344	40,017	143,610
Pump and pumping equipment manufacturing	<1	228	355	1,071
Air and gas compressor manufacturing	<1	1,180	1,600	4,982
Elevator and moving stairway manufacturing	<1	19	23	75

## Appendix

Conveyor and conveying equipment manufacturing	<1	1,676	1,868	4,605
Overhead cranes, hoists, and monorail systems manufacturing	<1	103	168	628
Industrial truck, trailer, and stacker manufacturing	<1	192	292	957
Power-driven handtool manufacturing	<1	176	429	1,162
Welding and soldering equipment manufacturing	<1	649	911	2,679
Packaging machinery manufacturing	<1	290	403	1,198
Industrial process furnace and oven manufacturing	<1	319	376	859
Fluid power cylinder and actuator manufacturing	<1	4,030	5,409	14,104
Fluid power pump and motor manufacturing	<1	589	889	3,005
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,025	1,213	3,107
Electronic computer manufacturing	<1	74,897	89,285	271,584
Computer storage device manufacturing	<1	304	359	1,030
Computer terminals and other computer peripheral equipment manufacturing	<1	31,596	38,785	96,777
Telephone apparatus manufacturing	<1	66	87	304
Broadcast and wireless communications equipment manufacturing	<1	42	47	176
Other communications equipment manufacturing	<1	839	1,042	3,995
Audio and video equipment manufacturing	<1	137	175	1,179
Printed circuit assembly (electronic assembly) manufacturing	<1	37,904	46,497	230,381
Bare printed circuit board manufacturing	<1	5,563	6,176	18,436
Semiconductor and related device manufacturing	4	904,684	1,313,372	3,639,416
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	886	964	3,313
Electronic connector manufacturing	<1	2,198	2,367	4,039
Other electronic component manufacturing	1	105,186	120,113	316,989



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	95	111	313
Search, detection, and navigation instruments manufacturing	<1	150	171	510
Automatic environmental control manufacturing	<1	6,193	7,120	23,107
Industrial process variable instruments manufacturing	<1	84,717	104,370	283,249
Totalizing fluid meter and counting device manufacturing	<1	302	421	1,300
Electricity and signal testing instruments manufacturing	<1	1,738	1,883	4,920
Analytical laboratory instrument manufacturing	3	366,654	472,045	1,255,726
Irradiation apparatus manufacturing	<1	5	6	22
Watch, clock, and other measuring and controlling device manufacturing	<1	813	937	3,545
Blank magnetic and optical recording media manufacturing	<1	680	1,426	9,880
Software and other prerecorded and record reproducing	<1	1,009	1,225	3,900
Electric lamp bulb and part manufacturing	<1	186	234	522
Lighting fixture manufacturing	<1	1,123	1,309	4,718
Small electrical appliance manufacturing	<1	7,086	10,307	40,367
Household cooking appliance manufacturing	<1	9,664	13,346	39,578
Household refrigerator and home freezer manufacturing	<1	11,673	15,581	42,333
Household laundry equipment manufacturing	<1	36,324	43,845	128,712
Other major household appliance manufacturing	<1	4,722	6,539	17,132
Power, distribution, and specialty transformer manufacturing	<1	115	133	344
Motor and generator manufacturing	<1	835	1,137	5,062
Switchgear and switchboard apparatus manufacturing	<1	1,094	1,450	6,043
Relay and industrial control manufacturing	<1	3,621	4,120	11,377
Storage battery manufacturing	<1	10,758	13,415	44,681
Primary battery manufacturing	<1	3,343	-864	11,708
Fiber optic cable manufacturing	<1	379	474	2,242

## Appendix

Other communication and energy wire manufacturing	<1	87	115	839
Wiring device manufacturing	<1	1,208	1,668	6,041
Carbon and graphite product manufacturing	<1	1,300	1,650	6,061
All other miscellaneous electrical equipment and component manufacturing	<1	30,554	33,654	99,741
Automobile manufacturing	<1	35,637	146,885	575,606
Light truck and utility vehicle manufacturing	<1	6,403	25,810	143,977
Heavy duty truck manufacturing	<1	29	65	337
Motor vehicle body manufacturing	<1	1,888	2,624	7,751
Truck trailer manufacturing	<1	23	31	111
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	6,850	8,485	31,662
Motor vehicle gasoline engine and engine parts manufacturing	<1	63,541	108,225	426,647
Motor vehicle electrical and electronic equipment manufacturing	<1	46,256	62,800	200,995
Motor vehicle transmission and power train parts manufacturing	2	180,781	281,191	1,016,241
Motor vehicle seating and interior trim manufacturing	<1	24,030	29,057	125,517
Motor vehicle metal stamping	1	122,770	161,502	503,855
Other motor vehicle parts manufacturing	<1	82,945	121,268	494,139
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	38,432	60,760	185,439
Aircraft manufacturing	<1	4	7	21
Aircraft engine and engine parts manufacturing	<1	875	2,250	5,120
Other aircraft parts and auxiliary equipment manufacturing	<1	217	319	682
Guided missile and space vehicle manufacturing	<1	3	6	12
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	194	293	521
Railroad rolling stock manufacturing	<1	7	7	26
Ship building and repairing	<1	22	34	68
Boat building	<1	17,609	27,747	80,134
Motorcycle, bicycle, and parts manufacturing	<1	404	1,613	3,900

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	8,109	19,718	51,915
All other transportation equipment manufacturing	<1	6,250	14,106	39,411
Wood kitchen cabinet and countertop manufacturing	<1	3,980	4,586	11,106
Upholstered household furniture manufacturing	<1	610	652	2,001
Nonupholstered wood household furniture manufacturing	<1	1,192	1,293	3,802
Other household nonupholstered furniture manufacturing	<1	1,554	2,124	8,328
Institutional furniture manufacturing	<1	648	675	1,966
Wood office furniture manufacturing	<1	627	715	1,861
Custom architectural woodwork and millwork	<1	204	194	542
Office furniture, except wood, manufacturing	<1	3,052	3,978	13,041
Showcase, partition, shelving, and locker manufacturing	<1	2,703	3,193	9,230
Mattress manufacturing	<1	832	1,179	4,398
Blind and shade manufacturing	<1	209	210	781
Surgical and medical instrument manufacturing	<1	2,942	4,795	9,443
Surgical appliance and supplies manufacturing	<1	24,538	50,275	94,412
Dental equipment and supplies manufacturing	<1	4,389	7,280	16,655
Ophthalmic goods manufacturing	<1	548	1,124	2,073
Dental laboratories	<1	2,506	2,905	5,508
Jewelry and silverware manufacturing	<1	3,888	6,847	17,611
Sporting and athletic goods manufacturing	<1	3,499	5,340	15,610
Doll, toy, and game manufacturing	<1	1,680	3,448	12,483
Office supplies (except paper) manufacturing	<1	944	1,586	4,373
Sign manufacturing	<1	6,912	6,644	16,211
Gasket, packing, and sealing device manufacturing	<1	4,075	4,694	9,666
Musical instrument manufacturing	<1	590	667	1,675
Fasteners, buttons, needles, and pins manufacturing	<1	2,606	3,069	6,048

## Appendix

Broom, brush, and mop manufacturing	<1	2,336	3,536	8,551
Burial casket manufacturing	<1	97	151	360
All other miscellaneous manufacturing	<1	37,819	44,293	107,989
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	75,154	157,950	334,619
Wholesale - Professional and commercial equipment and supplies	2	209,645	322,489	577,344
Wholesale - Household appliances and electrical and electronic goods	1	165,788	383,720	785,704
Wholesale - Machinery, equipment, and supplies	1	154,752	277,310	508,958
Wholesale - Other durable goods merchant wholesalers	2	222,546	386,677	782,960
Wholesale - Drugs and druggistsâ€™ sundries	<1	110,735	269,017	582,722
Wholesale - Grocery and related product wholesalers	2	165,427	245,955	485,363
Wholesale - Petroleum and petroleum products	<1	36,432	392,207	514,869
Wholesale - Other nondurable goods merchant wholesalers	3	263,149	522,573	1,048,142
Wholesale - Wholesale electronic markets and agents and brokers	2	205,053	232,393	274,823
Retail - Motor vehicle and parts dealers	3	223,918	317,370	441,267
Retail - Furniture and home furnishings stores	2	90,454	123,808	206,738
Retail - Electronics and appliance stores	2	108,934	97,739	161,900
Retail - Building material and garden equipment and supplies stores	3	132,541	264,821	377,438
Retail - Food and beverage stores	7	280,642	407,516	670,896
Retail - Health and personal care stores	4	201,595	262,037	399,737
Retail - Gasoline stores	3	84,130	209,253	410,517
Retail - Clothing and clothing accessories stores	3	95,651	173,812	386,943
Retail - Sporting goods, hobby, musical instrument and book stores	3	83,680	114,894	197,360
Retail - General merchandise stores	8	290,428	472,588	786,078
Retail - Miscellaneous store retailers	6	202,411	210,813	346,703
Retail - Nonstore retailers	7	160,644	939,574	1,561,773
Air transportation	1	205,833	335,928	704,375

## Appendix

Rail transportation	<1	25,411	49,136	102,042
Water transportation	<1	18,454	37,131	146,859
Truck transportation	6	433,342	668,278	1,360,273
Transit and ground passenger transportation	5	86,721	103,191	175,987
Pipeline transportation	<1	103,428	183,976	264,387
Scenic and sightseeing transportation and support activities for transportation	4	301,983	255,190	404,510
Couriers and messengers	7	143,224	294,323	383,877
Warehousing and storage	6	340,977	377,102	671,898
Newspaper publishers	<1	30,493	47,452	73,520
Periodical publishers	<1	23,426	31,717	58,070
Book publishers	<1	27,616	66,787	149,261
Directory, mailing list, and other publishers	<1	4,527	9,911	18,422
Greeting card publishing	<1	1,232	3,701	6,878
Software publishers	4	745,757	1,386,101	1,880,306
Motion picture and video industries	<1	47,232	64,382	219,127
Sound recording industries	<1	4,373	21,474	55,019
Radio and television broadcasting	<1	113,080	163,945	481,147
Cable and other subscription programming	<1	32,070	181,138	480,283
Wired telecommunications carriers	1	144,796	294,524	591,729
Wireless telecommunications carriers (except satellite)	<1	29,371	210,535	605,164
Satellite, telecommunications resellers, and all other telecommunications	<1	54,667	64,551	169,037
Data processing, hosting, and related services	2	295,996	543,118	1,578,850
News syndicates, libraries, archives and all other information services	<1	37,211	52,902	121,549
Internet publishing and broadcasting and web search portals	3	560,567	1,205,519	4,749,965
Nondepository credit intermediation and related activities	4	398,433	424,240	680,500
Securities and commodity contracts intermediation and brokerage	7	317,192	278,405	721,452
Monetary authorities and depository credit intermediation	8	810,513	1,840,137	3,283,961

## Appendix

Other financial investment activities	5	213,942	255,233	883,470
Direct life insurance carriers	<1	62,689	133,198	197,694
Insurance carriers, except direct life	5	484,694	1,662,325	3,380,900
Insurance agencies, brokerages, and related activities	5	406,617	697,879	1,594,878
Funds, trusts, and other financial vehicles	2	70,227	98,623	450,996
Other real estate	43	1,973,708	4,311,376	9,751,645
Tenant-occupied housing	3	157,330	818,728	902,238
Owner-occupied dwellings	0	0	4,942,360	5,964,610
Automotive equipment rental and leasing	<1	54,314	306,846	368,438
General and consumer goods rental except video tapes and discs	1	54,828	113,404	169,508
Video tape and disc rental	<1	15,567	26,117	42,452
Commercial and industrial machinery and equipment rental and leasing	<1	59,055	239,345	296,688
Lessors of nonfinancial intangible assets	<1	7,424	461,251	479,303
Legal services	12	1,187,773	1,982,959	2,738,568
Accounting, tax preparation, bookkeeping, and payroll services	7	580,536	653,901	1,053,397
Architectural, engineering, and related services	7	764,666	803,129	1,393,384
Specialized design services	<1	90,266	120,119	198,467
Custom computer programming services	4	377,932	395,003	547,697
Computer systems design services	2	255,864	242,506	311,325
Other computer related services, including facilities management	2	216,708	288,512	550,374
Management consulting services	28	2,816,245	2,873,482	4,625,641
Environmental and other technical consulting services	18	1,743,704	1,767,058	2,906,111
Scientific research and development services	201	21,030,122	26,752,538	51,080,026
Advertising, public relations, and related services	5	501,347	631,256	1,414,483
Photographic services	<1	11,321	21,034	57,960
Veterinary services	<1	56,327	59,903	95,584
Marketing research and all other miscellaneous professional, scientific, and technical services	8	656,543	870,127	2,198,984
Management of companies and enterprises	22	3,555,319	3,751,373	5,803,978

## Appendix

Office administrative services	6	499,391	150,051	469,823
Facilities support services	<1	39,116	51,331	132,811
Employment services	40	1,937,560	2,583,685	4,530,239
Business support services	5	329,072	276,840	472,369
Travel arrangement and reservation services	1	54,905	83,588	321,017
Investigation and security services	4	147,749	150,168	223,743
Services to buildings	7	250,509	339,757	726,913
Landscape and horticultural services	4	206,588	246,899	458,869
Other support services	2	131,689	164,341	337,962
Waste management and remediation services	2	130,480	205,564	428,678
Elementary and secondary schools	5	219,933	198,118	240,766
Junior colleges, colleges, universities, and professional schools	51	2,311,774	3,021,963	4,228,908
Other educational services	3	125,312	140,576	284,180
Offices of physicians	11	1,196,584	1,199,199	1,749,281
Offices of dentists	4	275,294	318,133	438,051
Offices of other health practitioners	4	219,280	310,121	407,548
Outpatient care centers	3	203,628	199,449	323,752
Medical and diagnostic laboratories	<1	34,059	50,846	72,628
Home health care services	5	238,485	235,831	309,317
Other ambulatory health care services	1	93,899	107,251	171,938
Hospitals	23	2,118,655	2,444,072	4,585,864
Nursing and community care facilities	5	251,007	268,608	446,436
Residential mental retardation, mental health, substance abuse and other facilities	3	153,965	157,867	237,985
Individual and family services	9	327,863	278,584	386,488
Child day care services	3	108,466	142,471	193,614
Community food, housing, and other relief services, including rehabilitation services	3	108,770	100,699	228,476
Performing arts companies	<1	22,659	43,504	82,270
Commercial Sports Except Racing	3	132,046	109,192	180,626
Racing and Track Operation	<1	3,156	5,485	10,087
Independent artists, writers, and performers	<1	16,953	53,547	81,101

## Appendix

Promoters of performing arts and sports and agents for public figures	1	40,439	111,421	235,709
Museums, historical sites, zoos, and parks	<1	19,843	24,093	43,485
Amusement parks and arcades	<1	4,046	8,393	9,982
Gambling industries (except casino hotels)	1	39,412	119,206	165,277
Other amusement and recreation industries	2	76,574	89,321	119,493
Fitness and recreational sports centers	1	38,941	52,577	76,280
Bowling centers	<1	8,042	12,281	19,361
Hotels and motels, including casino hotels	2	61,824	171,485	239,350
Other accommodations	<1	15,919	20,984	27,598
Full-service restaurants	18	532,954	747,746	1,561,755
Limited-service restaurants	15	390,273	574,097	1,436,240
All other food and drinking places	12	395,190	573,501	935,524
Automotive repair and maintenance, except car washes	7	424,378	515,480	724,366
Car washes	3	223,164	335,517	479,299
Electronic and precision equipment repair and maintenance	4	278,586	372,135	592,233
Commercial and industrial machinery and equipment repair and maintenance	3	272,131	304,627	455,910
Personal and household goods repair and maintenance	<1	48,200	101,641	140,303
Personal care services	5	132,957	88,585	113,525
Death care services	1	33,222	25,565	37,177
Dry-cleaning and laundry services	3	81,302	57,652	76,864
Other personal services	4	117,714	154,731	228,915
Religious organizations	11	614,479	291,126	964,772
Grantmaking, giving, and social advocacy organizations	2	109,967	331,144	476,622
Business and professional associations	1	92,700	153,121	249,988
Labor and civic organizations	2	81,144	236,994	402,054
Private households	2	32,295	32,295	32,295
Postal service	2	232,308	233,683	233,771
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,563	-6,630	1,344
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	56,665	17,057	38,338
Local government electric utilities	<1	8,435	27,143	52,322
Other local government enterprises	2	137,363	280,203	772,881
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	21	2,900,932	5,263,402	9,631,901

## Moon to Mars Campaign

**Table 692: Detailed M2M Campaign Impacts by Types of Impact, Michigan**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>85</i>	<i>6,710,583</i>	<i>10,252,060</i>	<i>18,901,516</i>
Oilseed farming	<1	6,353	32,387	47,167
Grain farming	<1	9,277	33,397	65,446
Vegetable and melon farming	<1	2,282	4,729	8,467
Fruit farming	<1	1,608	3,053	4,339
Tree nut farming	<1	1	2	4
Greenhouse, nursery, and floriculture production	<1	1,479	2,857	5,194
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	1,101	2,021	3,655
All other crop farming	<1	317	569	1,073
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	825	2,816	6,230
Dairy cattle and milk production	<1	1,423	3,598	15,035
Poultry and egg production	<1	507	1,224	9,707
Animal production, except cattle and poultry and eggs	<1	5,384	23,205	25,368
Forestry, forest products, and timber tract production	<1	236	283	400
Commercial logging	<1	647	815	1,467
Commercial fishing	<1	106	493	494
Commercial hunting and trapping	<1	115	346	436
Support activities for agriculture and forestry	<1	5,567	5,911	6,643
Oil and gas extraction	<1	1,114	1,477	34,244
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	1,423	8,317	12,469
Iron ore mining	<1	479	1,337	2,471
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	4	17	27
Other metal ore mining	<1	7	19	32
Stone mining and quarrying	<1	313	1,504	2,238
Sand and gravel mining	<1	638	1,312	2,171
Other clay, ceramic, refractory minerals mining	<1	18	41	77
Potash, soda, and borate mineral mining	<1	44	71	129
Phosphate rock mining	<1	16	36	63
Other chemical and fertilizer mineral mining	<1	7	13	23
Other nonmetallic minerals	<1	65	134	239
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	12	15	45
Metal mining services	<1	21	28	394
Other nonmetallic minerals services	<1	1	2	26
Electric power generation - Hydroelectric	<1	608	1,280	2,589

## Appendix

Electric power generation - Fossil fuel	<1	9,922	29,310	74,931
Electric power generation - Nuclear	<1	11,092	20,778	44,088
Electric power generation - Solar	<1	91	195	415
Electric power generation - Wind	<1	101	695	1,346
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	202	553	1,811
Electric power generation - All other	<1	144	-39	32
Electric power transmission and distribution	<1	21,899	63,021	150,568
Natural gas distribution	<1	8,147	24,232	54,023
Water, sewage and other systems	<1	790	1,459	2,647
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	16,819	23,630	61,942
Maintenance and repair construction of residential structures	<1	6,469	9,106	22,456
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	8	21
Dog and cat food manufacturing	<1	154	361	1,287
Other animal food manufacturing	<1	651	1,171	10,079
Flour milling	<1	527	1,018	7,214

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	83	437	3,742
Fats and oils refining and blending	<1	66	159	1,823
Breakfast cereal manufacturing	<1	3,506	7,482	24,973
Beet sugar manufacturing	<1	852	1,392	6,536
Sugar cane mills and refining	<1	2	4	40
Nonchocolate confectionery manufacturing	<1	239	322	1,436
Chocolate and confectionery manufacturing from cacao beans	<1	72	104	587
Confectionery manufacturing from purchased chocolate	<1	161	228	1,414
Frozen fruits, juices and vegetables manufacturing	<1	1,016	1,998	8,487
Frozen specialties manufacturing	<1	795	1,028	4,385
Canned fruits and vegetables manufacturing	<1	1,041	1,879	8,396
Canned specialties	<1	452	953	4,626
Dehydrated food products manufacturing	<1	54	91	427
Cheese manufacturing	<1	442	584	6,334
Dry, condensed, and evaporated dairy product manufacturing	<1	1,114	2,387	13,956
Fluid milk manufacturing	<1	852	1,308	8,352
Creamery butter manufacturing	<1	96	281	1,838
Ice cream and frozen dessert manufacturing	<1	326	447	1,981
Frozen cakes and other pastries manufacturing	<1	1,049	1,563	2,986
Poultry processing	<1	771	951	4,292
Animal, except poultry, slaughtering	<1	1,285	1,549	13,415
Meat processed from carcasses	<1	3,187	3,042	24,725
Rendering and meat byproduct processing	<1	54	70	326
Seafood product preparation and packaging	<1	268	354	1,553
Bread and bakery product, except frozen, manufacturing	<1	4,100	5,805	14,681
Cookie and cracker manufacturing	<1	957	1,343	3,881
Dry pasta, mixes, and dough manufacturing	<1	594	1,226	3,796
Tortilla manufacturing	<1	112	142	552

## Appendix

Roasted nuts and peanut butter manufacturing	<1	392	830	2,875
Other snack food manufacturing	<1	533	1,130	4,869
Coffee and tea manufacturing	<1	219	378	2,607
Flavoring syrup and concentrate manufacturing	<1	69	453	1,234
Mayonnaise, dressing, and sauce manufacturing	<1	128	222	1,271
Spice and extract manufacturing	<1	622	971	3,586
All other food manufacturing	<1	631	854	3,800
Bottled and canned soft drinks & water	<1	2,036	3,292	15,518
Manufactured ice	<1	145	96	481
Breweries	<1	1,644	3,033	10,475
Wineries	<1	758	1,207	5,536
Distilleries	<1	413	1,651	5,420
Tobacco product manufacturing	<1	192	5,296	10,678
Fiber, yarn, and thread mills	<1	25	33	215
Broadwoven fabric mills	<1	17	23	78
Narrow fabric mills and schiffli machine embroidery	<1	6	8	23
Nonwoven fabric mills	<1	21	31	107
Knit fabric mills	<1	4	9	24
Textile and fabric finishing mills	<1	38	46	219
Fabric coating mills	<1	30	34	143
Carpet and rug mills	<1	324	438	1,496
Curtain and linen mills	<1	33	40	146
Textile bag and canvas mills	<1	245	298	813
Rope, cordage, twine, tire cord and tire fabric mills	<1	31	43	113
Other textile product mills	<1	174	198	561
Hosiery and sock mills	<1	9	14	33
Other apparel knitting mills	<1	10	17	42
Cut and sew apparel contractors	<1	151	162	316
Men's and boys' cut and sew apparel manufacturing	<1	203	207	427
Women's and girls' cut and sew apparel manufacturing	<1	221	215	708
Other cut and sew apparel manufacturing	<1	145	148	362
Apparel accessories and other apparel manufacturing	<1	65	69	216
Leather and hide tanning and finishing	<1	89	96	401
Footwear manufacturing	<1	98	101	263
Other leather and allied product manufacturing	<1	18	18	45

## Appendix

Sawmills	<1	755	1,329	5,191
Wood preservation	<1	36	100	448
Veneer and plywood manufacturing	<1	235	371	1,330
Engineered wood member and truss manufacturing	<1	137	222	658
Reconstituted wood product manufacturing	<1	233	694	2,506
Wood windows and door manufacturing	<1	823	1,095	3,011
Cut stock, resawing lumber, and planing	<1	203	395	1,223
Other millwork, including flooring	<1	392	619	1,729
Wood container and pallet manufacturing	<1	704	955	2,408
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	78	134	390
All other miscellaneous wood product manufacturing	<1	334	451	1,358
Pulp mills	<1	9	10	47
Paper mills	<1	2,193	2,902	13,589
Paperboard mills	<1	554	772	3,971
Paperboard container manufacturing	<1	3,140	3,981	20,550
Paper bag and coated and treated paper manufacturing	<1	732	873	3,060
Stationery product manufacturing	<1	123	136	540
Sanitary paper product manufacturing	<1	17	32	215
All other converted paper product manufacturing	<1	598	759	2,601
Printing	<1	11,656	15,674	31,523
Support activities for printing	<1	833	1,091	1,667
Petroleum refineries	<1	3,239	8,934	52,622
Asphalt paving mixture and block manufacturing	<1	203	235	589
Asphalt shingle and coating materials manufacturing	<1	132	212	458
Petroleum lubricating oil and grease manufacturing	<1	3,069	4,293	10,138
All other petroleum and coal products manufacturing	<1	703	1,095	2,575
Petrochemical manufacturing	<1	88	1,224	4,855
Industrial gas manufacturing	<1	514	1,620	4,836

## Appendix

Synthetic dye and pigment manufacturing	<1	131	271	856
Other basic inorganic chemical manufacturing	<1	328	781	2,243
Other basic organic chemical manufacturing	<1	716	1,855	13,120
Plastics material and resin manufacturing	<1	2,826	5,415	28,525
Synthetic rubber manufacturing	<1	35	54	293
Artificial and synthetic fibers and filaments manufacturing	<1	74	110	594
Nitrogenous fertilizer manufacturing	<1	25	96	326
Phosphatic fertilizer manufacturing	<1	8	22	86
Fertilizer mixing	<1	37	80	240
Pesticide and other agricultural chemical manufacturing	<1	560	2,086	6,305
Medicinal and botanical manufacturing	<1	315	502	1,502
Pharmaceutical preparation manufacturing	<1	5,443	15,131	40,132
In-vitro diagnostic substance manufacturing	<1	31	44	87
Biological product (except diagnostic) manufacturing	<1	347	964	1,735
Paint and coating manufacturing	<1	1,171	2,496	8,093
Adhesive manufacturing	<1	433	723	2,677
Soap and other detergent manufacturing	<1	2,332	6,669	16,790
Polish and other sanitation good manufacturing	<1	470	811	2,314
Surface active agent manufacturing	<1	19	81	269
Toilet preparation manufacturing	<1	77	236	642
Printing ink manufacturing	<1	79	86	297
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	788	1,616	5,349
Photographic film and chemical manufacturing	<1	84	190	658
Other miscellaneous chemical product manufacturing	<1	385	641	2,535
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	858	1,157	5,052
Unlaminated plastics profile shape manufacturing	<1	384	645	2,495
Plastics pipe and pipe fitting manufacturing	<1	254	503	2,448

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	295	405	1,394
Polystyrene foam product manufacturing	<1	1,398	2,023	7,420
Urethane and other foam product (except polystyrene) manufacturing	<1	915	1,282	5,914
Plastics bottle manufacturing	<1	407	528	1,473
Other plastics product manufacturing	<1	7,578	9,858	34,193
Tire manufacturing	<1	374	461	1,791
Rubber and plastics hoses and belting manufacturing	<1	250	339	1,322
Other rubber product manufacturing	<1	1,721	1,991	7,187
Pottery, ceramics, and plumbing fixture manufacturing	<1	6	10	43
Brick, tile, and other structural clay product manufacturing	<1	139	220	466
Flat glass manufacturing	<1	126	235	519
Other pressed and blown glass and glassware manufacturing	<1	3	4	9
Glass container manufacturing	<1	7	11	24
Glass product manufacturing made of purchased glass	<1	672	1,139	2,690
Cement manufacturing	<1	312	654	1,632
Ready-mix concrete manufacturing	<1	1,242	1,913	5,518
Concrete block and brick manufacturing	<1	338	562	1,380
Concrete pipe manufacturing	<1	105	168	381
Other concrete product manufacturing	<1	318	451	1,079
Lime manufacturing	<1	14	28	83
Gypsum product manufacturing	<1	175	458	1,176
Abrasive product manufacturing	<1	224	447	779
Cut stone and stone product manufacturing	<1	313	394	840
Ground or treated mineral and earth manufacturing	<1	358	736	1,474
Mineral wool manufacturing	<1	116	273	678
Miscellaneous nonmetallic mineral products manufacturing	<1	148	309	633
Iron and steel mills and ferroalloy manufacturing	<1	1,122	2,223	14,973
Iron, steel pipe and tube manufacturing from purchased steel	<1	142	241	1,254



## Appendix

Rolled steel shape manufacturing	<1	161	392	2,070
Steel wire drawing	<1	43	68	347
Alumina refining and primary aluminum production	<1	247	356	2,781
Secondary smelting and alloying of aluminum	<1	9	14	111
Aluminum sheet, plate, and foil manufacturing	<1	51	84	305
Other aluminum rolling, drawing and extruding	<1	257	323	1,739
Nonferrous metal (exc aluminum) smelting and refining	<1	2	9	42
Copper rolling, drawing, extruding and alloying	<1	156	262	2,868
Nonferrous metal, except copper and aluminum, shaping	<1	43	49	221
Secondary processing of other nonferrous metals	<1	18	28	160
Ferrous metal foundries	<1	469	645	1,893
Nonferrous metal foundries	<1	1,744	2,046	5,076
Custom roll forming	<1	213	280	1,555
Crown and closure manufacturing and metal stamping	<1	921	1,120	3,568
Iron and steel forging	<1	284	361	1,309
Nonferrous forging	<1	108	129	477
Cutlery, utensil, pot, and pan manufacturing	<1	37	63	319
Handtool manufacturing	<1	396	564	1,316
Prefabricated metal buildings and components manufacturing	<1	81	105	369
Fabricated structural metal manufacturing	<1	685	923	3,480
Plate work manufacturing	<1	405	450	1,395
Metal window and door manufacturing	<1	418	536	1,781
Sheet metal work manufacturing	<1	1,123	1,386	3,911
Ornamental and architectural metal work manufacturing	<1	235	268	780
Power boiler and heat exchanger manufacturing	<1	6	7	20
Metal tank (heavy gauge) manufacturing	<1	37	44	153
Metal cans manufacturing	<1	6	10	34
Metal barrels, drums and pails manufacturing	<1	106	130	541
Hardware manufacturing	<1	331	440	1,654
Spring and wire product manufacturing	<1	486	593	2,078

## Appendix

Machine shops	<1	4,365	4,915	10,735
Turned product and screw, nut, and bolt manufacturing	<1	1,333	1,593	4,617
Metal heat treating	<1	595	731	2,060
Metal coating and nonprecious engraving	<1	786	1,192	3,953
Electroplating, anodizing, and coloring metal	<1	1,019	1,089	2,545
Valve and fittings, other than plumbing, manufacturing	<1	520	697	2,322
Plumbing fixture fitting and trim manufacturing	<1	77	144	673
Ball and roller bearing manufacturing	<1	144	205	607
Small arms ammunition manufacturing	<1	23	44	120
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	20	34	99
Fabricated pipe and pipe fitting manufacturing	<1	150	177	573
Other fabricated metal manufacturing	<1	1,209	1,471	4,179
Farm machinery and equipment manufacturing	<1	58	109	458
Lawn and garden equipment manufacturing	<1	9	16	77
Construction machinery manufacturing	<1	39	91	296
Mining machinery and equipment manufacturing	<1	11	15	48
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	1	2	4
Food product machinery manufacturing	<1	2	2	7
Sawmill, woodworking, and paper machinery	<1	9	11	31
Printing machinery and equipment manufacturing	<1	14	15	48
All other industrial machinery manufacturing	<1	51	62	173
Optical instrument and lens manufacturing	<1	37	51	145
Photographic and photocopying equipment manufacturing	<1	5	6	21
Other commercial service industry machinery manufacturing	<1	62	94	323

## Appendix

Air purification and ventilation equipment manufacturing	<1	63	80	204
Heating equipment (except warm air furnaces) manufacturing	<1	111	168	483
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	438	696	2,205
Industrial mold manufacturing	<1	228	268	528
Special tool, die, jig, and fixture manufacturing	<1	401	504	925
Cutting tool and machine tool accessory manufacturing	<1	193	220	496
Machine tool manufacturing	<1	55	69	201
Rolling mill and other metalworking machinery manufacturing	<1	112	144	313
Turbine and turbine generator set units manufacturing	<1	2	2	5
Speed changer, industrial high-speed drive, and gear manufacturing	<1	270	358	993
Mechanical power transmission equipment manufacturing	<1	158	214	548
Other engine equipment manufacturing	<1	1,656	3,328	11,503
Pump and pumping equipment manufacturing	<1	19	29	88
Air and gas compressor manufacturing	<1	1,159	1,640	4,656
Elevator and moving stairway manufacturing	<1	2	3	8
Conveyor and conveying equipment manufacturing	<1	105	119	290
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	8	29
Industrial truck, trailer, and stacker manufacturing	<1	15	23	75
Power-driven handtool manufacturing	<1	26	60	163
Welding and soldering equipment manufacturing	<1	43	60	166
Packaging machinery manufacturing	<1	29	41	121
Industrial process furnace and oven manufacturing	<1	29	35	79
Fluid power cylinder and actuator manufacturing	<1	282	382	996
Fluid power pump and motor manufacturing	<1	59	89	293

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	76	90	230
Electronic computer manufacturing	<1	1,283	1,483	4,515
Computer storage device manufacturing	<1	27	33	92
Computer terminals and other computer peripheral equipment manufacturing	<1	77	92	275
Telephone apparatus manufacturing	<1	4	6	21
Broadcast and wireless communications equipment manufacturing	<1	3	4	13
Other communications equipment manufacturing	<1	57	71	275
Audio and video equipment manufacturing	<1	18	23	142
Printed circuit assembly (electronic assembly) manufacturing	<1	2,725	3,311	16,564
Bare printed circuit board manufacturing	<1	381	426	1,308
Semiconductor and related device manufacturing	<1	227	275	1,110
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	72	79	266
Electronic connector manufacturing	<1	278	301	513
Other electronic component manufacturing	<1	2,800	3,116	7,843
Electromedical and electrotherapeutic apparatus manufacturing	<1	11	13	36
Search, detection, and navigation instruments manufacturing	<1	9	11	33
Automatic environmental control manufacturing	<1	686	793	2,538
Industrial process variable instruments manufacturing	<1	1,489	1,563	4,623
Totalizing fluid meter and counting device manufacturing	<1	24	35	106
Electricity and signal testing instruments manufacturing	<1	114	124	313
Analytical laboratory instrument manufacturing	<1	22,271	29,014	75,885
Irradiation apparatus manufacturing	<1	<1	<1	3

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	99	116	406
Blank magnetic and optical recording media manufacturing	<1	79	158	1,061
Software and other prerecorded and record reproducing	<1	111	135	413
Electric lamp bulb and part manufacturing	<1	19	24	54
Lighting fixture manufacturing	<1	114	134	467
Small electrical appliance manufacturing	<1	702	989	3,900
Household cooking appliance manufacturing	<1	762	1,088	3,093
Household refrigerator and home freezer manufacturing	<1	925	1,274	3,327
Household laundry equipment manufacturing	<1	2,900	3,573	10,141
Other major household appliance manufacturing	<1	443	642	1,615
Power, distribution, and specialty transformer manufacturing	<1	11	12	32
Motor and generator manufacturing	<1	58	78	346
Switchgear and switchboard apparatus manufacturing	<1	87	116	475
Relay and industrial control manufacturing	<1	243	273	751
Storage battery manufacturing	<1	1,101	1,346	4,425
Primary battery manufacturing	<1	364	-98	1,248
Fiber optic cable manufacturing	<1	37	46	213
Other communication and energy wire manufacturing	<1	6	8	57
Wiring device manufacturing	<1	64	91	325
Carbon and graphite product manufacturing	<1	95	119	439
All other miscellaneous electrical equipment and component manufacturing	<1	8,935	9,960	25,126
Automobile manufacturing	<1	3,236	12,564	48,696
Light truck and utility vehicle manufacturing	<1	567	2,179	11,876
Heavy duty truck manufacturing	<1	2	5	23
Motor vehicle body manufacturing	<1	156	216	659
Truck trailer manufacturing	<1	2	2	8
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	506	622	2,336

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	5,105	8,692	34,196
Motor vehicle electrical and electronic equipment manufacturing	<1	3,494	4,775	14,628
Motor vehicle transmission and power train parts manufacturing	<1	17,736	27,109	94,826
Motor vehicle seating and interior trim manufacturing	<1	1,774	2,159	9,176
Motor vehicle metal stamping	<1	7,872	10,559	32,392
Other motor vehicle parts manufacturing	<1	6,244	8,974	36,865
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,984	4,800	14,616
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	77	200	453
Other aircraft parts and auxiliary equipment manufacturing	<1	20	29	63
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	13	19	34
Railroad rolling stock manufacturing	<1	<1	<1	3
Ship building and repairing	<1	2	3	7
Boat building	<1	1,356	2,101	6,104
Motorcycle, bicycle, and parts manufacturing	<1	32	114	289
Military armored vehicle, tank, and tank component manufacturing	<1	719	1,647	4,246
All other transportation equipment manufacturing	<1	443	954	2,702
Wood kitchen cabinet and countertop manufacturing	<1	302	342	826
Upholstered household furniture manufacturing	<1	67	71	220
Nonupholstered wood household furniture manufacturing	<1	114	123	356
Other household nonupholstered furniture manufacturing	<1	153	208	784
Institutional furniture manufacturing	<1	63	64	180
Wood office furniture manufacturing	<1	23	26	67

## Appendix

Custom architectural woodwork and millwork	<1	18	17	46
Office furniture, except wood, manufacturing	<1	275	331	1,135
Showcase, partition, shelving, and locker manufacturing	<1	205	236	681
Mattress manufacturing	<1	77	109	405
Blind and shade manufacturing	<1	17	18	67
Surgical and medical instrument manufacturing	<1	278	455	872
Surgical appliance and supplies manufacturing	<1	2,519	5,212	9,521
Dental equipment and supplies manufacturing	<1	15	27	57
Ophthalmic goods manufacturing	<1	52	107	197
Dental laboratories	<1	265	309	582
Jewelry and silverware manufacturing	<1	359	638	1,626
Sporting and athletic goods manufacturing	<1	326	500	1,418
Doll, toy, and game manufacturing	<1	169	361	1,228
Office supplies (except paper) manufacturing	<1	64	105	301
Sign manufacturing	<1	500	484	1,165
Gasket, packing, and sealing device manufacturing	<1	333	384	782
Musical instrument manufacturing	<1	77	89	219
Fasteners, buttons, needles, and pins manufacturing	<1	275	330	660
Broom, brush, and mop manufacturing	<1	278	458	1,029
Burial casket manufacturing	<1	6	10	23
All other miscellaneous manufacturing	<1	1,803	2,629	6,099
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,381	13,447	28,491
Wholesale - Professional and commercial equipment and supplies	<1	18,207	28,132	50,059
Wholesale - Household appliances and electrical and electronic goods	<1	10,969	25,388	52,129
Wholesale - Machinery, equipment, and supplies	<1	12,810	23,261	42,838
Wholesale - Other durable goods merchant wholesalers	<1	16,536	28,826	58,400

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	10,208	24,750	53,022
Wholesale - Grocery and related product wholesalers	<1	15,398	22,815	44,992
Wholesale - Petroleum and petroleum products	<1	2,831	35,684	45,772
Wholesale - Other nondurable goods merchant wholesalers	<1	22,803	46,936	92,399
Wholesale - Wholesale electronic markets and agents and brokers	<1	16,804	18,979	22,407
Retail - Motor vehicle and parts dealers	<1	19,700	28,014	38,766
Retail - Furniture and home furnishings stores	<1	8,109	11,139	18,475
Retail - Electronics and appliance stores	<1	9,812	8,874	14,429
Retail - Building material and garden equipment and supplies stores	<1	10,971	21,988	31,183
Retail - Food and beverage stores	<1	26,197	38,060	62,242
Retail - Health and personal care stores	<1	18,297	23,855	36,047
Retail - Gasoline stores	<1	7,624	18,483	35,467
Retail - Clothing and clothing accessories stores	<1	8,760	15,863	34,722
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,580	10,396	17,651
Retail - General merchandise stores	<1	25,661	41,925	69,081
Retail - Miscellaneous store retailers	<1	18,150	18,976	30,742
Retail - Nonstore retailers	<1	14,148	84,760	140,572
Air transportation	<1	17,683	29,134	60,438
Rail transportation	<1	2,061	3,599	7,886
Water transportation	<1	1,815	3,746	13,985
Truck transportation	<1	35,303	54,189	109,617
Transit and ground passenger transportation	<1	9,029	10,702	17,401
Pipeline transportation	<1	6,615	13,067	19,218
Scenic and sightseeing transportation and support activities for transportation	<1	27,871	23,267	36,836
Couriers and messengers	<1	11,918	24,241	31,536
Warehousing and storage	<1	25,252	28,057	49,592
Newspaper publishers	<1	2,653	4,457	6,594
Periodical publishers	<1	2,341	3,562	5,981
Book publishers	<1	2,412	6,484	13,721



## Appendix

Directory, mailing list, and other publishers	<1	311	721	1,332
Greeting card publishing	<1	101	329	595
Software publishers	<1	134,564	268,936	357,816
Motion picture and video industries	<1	4,556	6,258	20,104
Sound recording industries	<1	442	2,215	5,417
Radio and television broadcasting	<1	9,609	13,961	38,183
Cable and other subscription programming	<1	2,988	17,202	43,103
Wired telecommunications carriers	<1	11,316	23,791	47,183
Wireless telecommunications carriers (except satellite)	<1	2,347	18,611	51,093
Satellite, telecommunications resellers, and all other telecommunications	<1	4,309	4,985	13,253
Data processing, hosting, and related services	<1	22,555	41,328	118,237
News syndicates, libraries, archives and all other information services	<1	3,535	5,072	11,255
Internet publishing and broadcasting and web search portals	<1	27,306	59,277	227,523
Nondepository credit intermediation and related activities	<1	36,354	38,800	60,967
Securities and commodity contracts intermediation and brokerage	<1	29,995	25,534	61,341
Monetary authorities and depository credit intermediation	<1	65,114	157,477	271,348
Other financial investment activities	<1	23,290	27,631	87,156
Direct life insurance carriers	<1	5,299	11,375	16,692
Insurance carriers, except direct life	<1	42,863	147,451	293,983
Insurance agencies, brokerages, and related activities	<1	34,548	59,027	133,883
Funds, trusts, and other financial vehicles	<1	7,143	10,441	42,376
Other real estate	4	197,262	417,778	912,826
Tenant-occupied housing	<1	14,819	78,675	86,146
Owner-occupied dwellings	0	0	454,676	548,719
Automotive equipment rental and leasing	<1	4,639	26,929	31,694

## Appendix

General and consumer goods rental except video tapes and discs	<1	5,018	10,370	15,337
Video tape and disc rental	<1	1,372	2,318	3,769
Commercial and industrial machinery and equipment rental and leasing	<1	4,369	17,851	22,024
Lessors of nonfinancial intangible assets	<1	545	36,544	37,847
Legal services	<1	100,262	171,756	233,769
Accounting, tax preparation, bookkeeping, and payroll services	<1	45,667	52,261	82,696
Architectural, engineering, and related services	<1	67,253	71,378	122,857
Specialized design services	<1	7,375	10,012	16,076
Custom computer programming services	<1	19,680	20,484	28,412
Computer systems design services	<1	18,996	18,001	22,957
Other computer related services, including facilities management	<1	18,039	23,883	45,290
Management consulting services	1	123,596	126,325	198,983
Environmental and other technical consulting services	<1	13,013	13,928	23,116
Scientific research and development services	18	2,012,238	2,555,481	4,757,663
Advertising, public relations, and related services	<1	41,179	52,690	115,238
Photographic services	<1	810	1,579	4,189
Veterinary services	<1	5,181	5,563	8,745
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	58,918	79,080	197,818
Management of companies and enterprises	2	259,067	275,051	420,000
Office administrative services	<1	47,660	15,316	44,431
Facilities support services	<1	2,877	3,847	9,603
Employment services	3	165,131	224,343	378,036
Business support services	<1	24,581	20,975	34,605
Travel arrangement and reservation services	<1	4,918	7,565	27,677
Investigation and security services	<1	12,046	12,259	17,953
Services to buildings	<1	22,036	30,458	63,078
Landscape and horticultural services	<1	18,406	22,235	40,327
Other support services	<1	10,379	13,066	26,299
Waste management and remediation services	<1	11,018	17,327	35,930

## Appendix

Elementary and secondary schools	<1	23,264	20,865	25,101
Junior colleges, colleges, universities, and professional schools	9	405,856	527,692	749,390
Other educational services	<1	12,384	13,965	27,779
Offices of physicians	<1	107,929	108,400	157,762
Offices of dentists	<1	25,143	29,532	40,386
Offices of other health practitioners	<1	19,279	28,173	36,719
Outpatient care centers	<1	19,402	19,071	30,985
Medical and diagnostic laboratories	<1	3,189	4,935	6,919
Home health care services	<1	22,551	22,363	29,391
Other ambulatory health care services	<1	8,562	9,924	15,774
Hospitals	2	211,860	246,065	461,257
Nursing and community care facilities	<1	24,536	26,271	42,971
Residential mental retardation, mental health, substance abuse and other facilities	<1	16,252	16,673	24,796
Individual and family services	<1	33,014	28,414	39,038
Child day care services	<1	10,371	14,128	18,891
Community food, housing, and other relief services, including rehabilitation services	<1	11,629	10,808	23,964
Performing arts companies	<1	2,183	4,148	7,478
Commercial Sports Except Racing	<1	11,283	9,744	15,824
Racing and Track Operation	<1	326	546	968
Independent artists, writers, and performers	<1	1,603	4,905	7,279
Promoters of performing arts and sports and agents for public figures	<1	3,963	10,517	21,147
Museums, historical sites, zoos, and parks	<1	1,992	2,412	4,249
Amusement parks and arcades	<1	419	849	1,005
Gambling industries (except casino hotels)	<1	3,796	11,560	15,873
Other amusement and recreation industries	<1	6,929	8,077	10,671
Fitness and recreational sports centers	<1	3,800	5,125	7,280
Bowling centers	<1	733	1,128	1,750
Hotels and motels, including casino hotels	<1	5,878	15,911	22,166
Other accommodations	<1	1,730	2,266	2,955

## Appendix

Full-service restaurants	2	47,337	66,128	136,936
Limited-service restaurants	1	35,757	52,285	128,512
All other food and drinking places	1	35,641	51,154	82,284
Automotive repair and maintenance, except car washes	<1	38,597	45,653	64,044
Car washes	<1	19,794	29,691	42,254
Electronic and precision equipment repair and maintenance	<1	88,412	114,495	172,205
Commercial and industrial machinery and equipment repair and maintenance	<1	15,017	16,742	25,104
Personal and household goods repair and maintenance	<1	4,324	8,586	11,948
Personal care services	<1	12,344	7,477	9,748
Death care services	<1	3,309	2,343	3,450
Dry-cleaning and laundry services	<1	7,778	5,027	6,804
Other personal services	<1	9,617	12,307	18,234
Religious organizations	1	65,592	27,411	97,177
Grantmaking, giving, and social advocacy organizations	<1	12,441	32,903	48,242
Business and professional associations	<1	8,106	12,189	20,034
Labor and civic organizations	<1	8,723	22,351	38,896
Private households	<1	3,125	3,125	3,125
Postal service	<1	18,863	18,980	18,987
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	259	-741	140
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	5,178	940	2,849
Local government electric utilities	<1	659	1,943	3,757
Other local government enterprises	<1	12,730	21,855	64,762
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	5	640,421	1,185,524	2,169,481

## Investments in Climate Change Research and Technology

**Table 693: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>402</i>	<i>30,918,701</i>	<i>45,599,322</i>	<i>87,592,494</i>
Oilseed farming	<1	17,289	70,698	97,628
Grain farming	1	46,499	114,990	312,625
Vegetable and melon farming	<1	11,456	22,282	40,996
Fruit farming	<1	7,324	13,595	19,867
Tree nut farming	<1	5	10	15
Greenhouse, nursery, and floriculture production	<1	8,629	15,670	29,389
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	7,449	13,211	24,887
All other crop farming	<1	2,209	3,735	7,199
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	6,936	19,064	46,783
Dairy cattle and milk production	<1	6,388	14,444	68,479
Poultry and egg production	<1	3,366	7,166	66,017
Animal production, except cattle and poultry and eggs	<1	37,593	124,928	138,878
Forestry, forest products, and timber tract production	<1	1,165	1,402	2,087

## Appendix

Commercial logging	<1	3,882	4,802	9,099
Commercial fishing	<1	169	2,422	2,445
Commercial hunting and trapping	<1	328	1,904	2,498
Support activities for agriculture and forestry	<1	37,664	39,525	43,974
Oil and gas extraction	<1	10,155	11,287	240,718
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	6,418	33,096	51,513
Iron ore mining	<1	2,903	8,003	15,675
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	56	265	402
Other metal ore mining	<1	59	153	258
Stone mining and quarrying	<1	1,783	9,776	14,346
Sand and gravel mining	<1	3,504	7,540	12,735
Other clay, ceramic, refractory minerals mining	<1	117	277	523
Potash, soda, and borate mineral mining	<1	232	386	709
Phosphate rock mining	<1	81	184	327
Other chemical and fertilizer mineral mining	<1	51	88	168
Other nonmetallic minerals	<1	427	910	1,600
Drilling oil and gas wells	<1	2	3	12
Support activities for oil and gas operations	<1	110	133	391
Metal mining services	<1	189	257	3,275
Other nonmetallic minerals services	<1	12	16	211
Electric power generation - Hydroelectric	<1	2,278	4,860	9,769
Electric power generation - Fossil fuel	<1	38,340	132,240	338,714
Electric power generation - Nuclear	<1	46,506	90,660	198,009
Electric power generation - Solar	<1	390	858	1,844
Electric power generation - Wind	<1	807	6,039	11,959
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	707	1,915	6,051
Electric power generation - All other	<1	600	-387	194
Electric power transmission and distribution	<1	104,632	328,522	792,876

## Appendix

Natural gas distribution	<1	31,186	95,925	219,629
Water, sewage and other systems	<1	3,018	6,072	11,642
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	88,948	121,473	332,271
Maintenance and repair construction of residential structures	<1	30,840	42,475	108,720
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	27	38	101
Dog and cat food manufacturing	<1	888	2,012	7,596
Other animal food manufacturing	<1	4,134	7,047	63,085
Flour milling	<1	3,369	6,425	44,259
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	422	2,167	19,665
Fats and oils refining and blending	<1	285	664	7,727
Breakfast cereal manufacturing	<1	13,220	28,392	103,034
Beet sugar manufacturing	<1	2,815	4,959	22,380
Sugar cane mills and refining	<1	7	16	160
Nonchocolate confectionery manufacturing	<1	1,069	1,432	6,787

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	214	305	1,818
Confectionery manufacturing from purchased chocolate	<1	771	1,050	6,700
Frozen fruits, juices and vegetables manufacturing	<1	4,693	8,672	40,228
Frozen specialties manufacturing	<1	4,227	5,502	23,431
Canned fruits and vegetables manufacturing	<1	4,409	7,696	35,291
Canned specialties	<1	2,338	4,818	23,262
Dehydrated food products manufacturing	<1	209	354	1,666
Cheese manufacturing	<1	1,637	2,177	23,073
Dry, condensed, and evaporated dairy product manufacturing	<1	4,949	10,502	63,046
Fluid milk manufacturing	<1	3,319	4,878	31,981
Creamery butter manufacturing	<1	443	1,315	8,530
Ice cream and frozen dessert manufacturing	<1	1,379	1,842	8,564
Frozen cakes and other pastries manufacturing	<1	4,713	7,044	13,665
Poultry processing	<1	6,200	7,303	32,946
Animal, except poultry, slaughtering	<1	7,118	8,421	71,901
Meat processed from carcasses	<1	16,358	15,511	127,253
Rendering and meat byproduct processing	<1	310	392	1,809
Seafood product preparation and packaging	<1	1,174	1,506	7,192
Bread and bakery product, except frozen, manufacturing	<1	18,394	25,842	65,668
Cookie and cracker manufacturing	<1	3,763	4,965	16,567
Dry pasta, mixes, and dough manufacturing	<1	2,675	5,479	16,444
Tortilla manufacturing	<1	651	830	3,217
Roasted nuts and peanut butter manufacturing	<1	1,881	3,866	13,917
Other snack food manufacturing	<1	2,813	5,871	26,323
Coffee and tea manufacturing	<1	939	1,558	10,995
Flavoring syrup and concentrate manufacturing	<1	409	2,524	7,282
Mayonnaise, dressing, and sauce manufacturing	<1	601	1,061	5,947
Spice and extract manufacturing	<1	2,274	3,387	12,723
All other food manufacturing	<1	2,922	3,914	17,445
Bottled and canned soft drinks & water	<1	12,267	19,392	91,471
Manufactured ice	<1	731	469	2,579



## Appendix

Breweries	<1	6,293	11,021	38,506
Wineries	<1	3,204	5,026	23,566
Distilleries	<1	2,321	8,064	27,463
Tobacco product manufacturing	<1	1,000	19,793	44,552
Fiber, yarn, and thread mills	<1	125	154	1,090
Broadwoven fabric mills	<1	111	137	507
Narrow fabric mills and schiffli machine embroidery	<1	43	46	147
Nonwoven fabric mills	<1	64	86	351
Knit fabric mills	<1	16	19	63
Textile and fabric finishing mills	<1	137	163	807
Fabric coating mills	<1	106	124	572
Carpet and rug mills	<1	1,854	2,388	9,179
Curtain and linen mills	<1	162	186	745
Textile bag and canvas mills	<1	1,448	1,691	4,887
Rope, cordage, twine, tire cord and tire fabric mills	<1	259	315	936
Other textile product mills	<1	956	1,058	3,194
Hosiery and sock mills	<1	47	74	186
Other apparel knitting mills	<1	60	99	262
Cut and sew apparel contractors	<1	867	927	1,879
Men's and boys' cut and sew apparel manufacturing	<1	832	833	1,861
Women's and girls' cut and sew apparel manufacturing	<1	907	829	3,124
Other cut and sew apparel manufacturing	<1	446	449	1,174
Apparel accessories and other apparel manufacturing	<1	296	302	1,083
Leather and hide tanning and finishing	<1	471	463	2,137
Footwear manufacturing	<1	558	566	1,714
Other leather and allied product manufacturing	<1	97	95	260
Sawmills	<1	5,131	9,252	35,312
Wood preservation	<1	275	785	3,336
Veneer and plywood manufacturing	<1	1,823	2,924	10,178
Engineered wood member and truss manufacturing	<1	746	1,242	3,631
Reconstituted wood product manufacturing	<1	1,866	5,657	20,302
Wood windows and door manufacturing	<1	5,342	7,272	20,295
Cut stock, resawing lumber, and planing	<1	1,234	2,558	7,529

## Appendix

Other millwork, including flooring	<1	2,206	3,660	10,178
Wood container and pallet manufacturing	<1	3,636	5,093	12,867
Manufactured home (mobile home) manufacturing	<1	3	4	10
Prefabricated wood building manufacturing	<1	446	804	2,313
All other miscellaneous wood product manufacturing	<1	1,419	2,097	6,666
Pulp mills	<1	90	107	512
Paper mills	<1	11,948	20,321	81,700
Paperboard mills	<1	5,735	8,851	41,583
Paperboard container manufacturing	<1	17,589	22,898	115,412
Paper bag and coated and treated paper manufacturing	<1	3,748	4,850	17,410
Stationery product manufacturing	<1	493	569	2,429
Sanitary paper product manufacturing	<1	110	212	1,366
All other converted paper product manufacturing	<1	2,806	3,838	12,693
Printing	<1	56,554	73,040	158,200
Support activities for printing	<1	3,959	5,080	8,115
Petroleum refineries	<1	21,240	53,236	330,745
Asphalt paving mixture and block manufacturing	<1	1,119	1,238	3,373
Asphalt shingle and coating materials manufacturing	<1	674	948	2,256
Petroleum lubricating oil and grease manufacturing	<1	14,274	20,191	52,033
All other petroleum and coal products manufacturing	<1	5,658	8,781	23,798
Petrochemical manufacturing	<1	1,836	20,854	96,803
Industrial gas manufacturing	<1	4,223	11,802	37,349
Synthetic dye and pigment manufacturing	<1	711	1,283	3,950
Other basic inorganic chemical manufacturing	<1	2,911	6,012	18,286
Other basic organic chemical manufacturing	<1	6,445	14,730	106,019
Plastics material and resin manufacturing	<1	30,034	49,280	267,979
Synthetic rubber manufacturing	<1	313	443	2,328
Artificial and synthetic fibers and filaments manufacturing	<1	284	427	2,368
Nitrogenous fertilizer manufacturing	<1	102	357	1,485

## Appendix

Phosphatic fertilizer manufacturing	<1	54	143	579
Fertilizer mixing	<1	232	456	1,474
Pesticide and other agricultural chemical manufacturing	<1	3,732	12,273	38,146
Medicinal and botanical manufacturing	<1	1,111	1,762	5,675
Pharmaceutical preparation manufacturing	<1	24,847	62,863	179,034
In-vitro diagnostic substance manufacturing	<1	89	129	257
Biological product (except diagnostic) manufacturing	<1	1,019	3,071	5,875
Paint and coating manufacturing	<1	6,242	11,925	39,755
Adhesive manufacturing	<1	1,672	2,649	10,295
Soap and other detergent manufacturing	<1	10,297	27,254	79,902
Polish and other sanitation good manufacturing	<1	2,344	3,813	11,551
Surface active agent manufacturing	<1	113	463	1,615
Toilet preparation manufacturing	<1	382	1,074	3,060
Printing ink manufacturing	<1	418	455	1,570
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	2,543	4,064	15,734
Photographic film and chemical manufacturing	<1	416	911	3,438
Other miscellaneous chemical product manufacturing	<1	15,452	25,000	93,261
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4,153	5,569	25,493
Unlaminated plastics profile shape manufacturing	<1	2,207	3,695	15,017
Plastics pipe and pipe fitting manufacturing	<1	5,311	10,551	53,112
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,644	2,215	7,909
Polystyrene foam product manufacturing	<1	8,358	11,752	45,301
Urethane and other foam product (except polystyrene) manufacturing	<1	5,368	7,376	35,329
Plastics bottle manufacturing	<1	2,046	2,641	7,628
Other plastics product manufacturing	<1	39,712	49,922	183,249
Tire manufacturing	<1	1,972	2,296	9,470

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	1,945	2,591	10,197
Other rubber product manufacturing	<1	11,391	13,083	46,615
Pottery, ceramics, and plumbing fixture manufacturing	<1	28	46	204
Brick, tile, and other structural clay product manufacturing	<1	830	1,379	2,841
Flat glass manufacturing	<1	759	1,454	3,275
Other pressed and blown glass and glassware manufacturing	<1	28	45	95
Glass container manufacturing	<1	37	57	128
Glass product manufacturing made of purchased glass	<1	7,121	12,522	28,580
Cement manufacturing	<1	1,621	3,589	8,733
Ready-mix concrete manufacturing	<1	7,344	11,817	33,264
Concrete block and brick manufacturing	<1	1,667	2,922	7,006
Concrete pipe manufacturing	<1	750	1,233	2,648
Other concrete product manufacturing	<1	2,069	3,056	7,053
Lime manufacturing	<1	108	229	643
Gypsum product manufacturing	<1	1,104	3,018	7,658
Abrasive product manufacturing	<1	1,041	2,162	3,710
Cut stone and stone product manufacturing	<1	1,792	2,312	4,890
Ground or treated mineral and earth manufacturing	<1	2,830	6,433	12,483
Mineral wool manufacturing	<1	643	1,644	4,088
Miscellaneous nonmetallic mineral products manufacturing	<1	1,059	2,425	4,984
Iron and steel mills and ferroalloy manufacturing	<1	7,641	15,431	105,113
Iron, steel pipe and tube manufacturing from purchased steel	<1	883	1,554	8,064
Rolled steel shape manufacturing	<1	1,081	2,777	13,655
Steel wire drawing	<1	218	360	1,805
Alumina refining and primary aluminum production	<1	1,096	1,598	12,038
Secondary smelting and alloying of aluminum	<1	52	81	657
Aluminum sheet, plate, and foil manufacturing	<1	301	512	1,818
Other aluminum rolling, drawing and extruding	<1	1,278	1,666	8,929
Nonferrous metal (exc aluminum) smelting and refining	<1	18	82	337

## Appendix

Copper rolling, drawing, extruding and alloying	<1	676	1,182	13,355
Nonferrous metal, except copper and aluminum, shaping	<1	241	280	1,274
Secondary processing of other nonferrous metals	<1	100	165	926
Ferrous metal foundries	<1	2,569	3,608	10,404
Nonferrous metal foundries	<1	7,927	9,532	23,982
Custom roll forming	<1	835	1,095	5,981
Crown and closure manufacturing and metal stamping	<1	3,409	4,135	13,529
Iron and steel forging	<1	1,866	2,338	8,746
Nonferrous forging	<1	580	689	2,608
Cutlery, utensil, pot, and pan manufacturing	<1	131	237	1,243
Handtool manufacturing	<1	1,703	2,386	5,898
Prefabricated metal buildings and components manufacturing	<1	391	528	1,822
Fabricated structural metal manufacturing	<1	4,616	6,138	23,593
Plate work manufacturing	<1	2,586	2,840	9,181
Metal window and door manufacturing	<1	1,908	2,426	8,455
Sheet metal work manufacturing	<1	4,063	5,063	14,912
Ornamental and architectural metal work manufacturing	<1	1,294	1,492	4,492
Power boiler and heat exchanger manufacturing	<1	34	43	122
Metal tank (heavy gauge) manufacturing	<1	123	143	531
Metal cans manufacturing	<1	32	50	168
Metal barrels, drums and pails manufacturing	<1	419	508	2,181
Hardware manufacturing	<1	1,920	2,561	9,908
Spring and wire product manufacturing	<1	2,874	3,507	12,437
Machine shops	<1	23,090	26,026	58,007
Turned product and screw, nut, and bolt manufacturing	<1	5,158	6,167	18,248
Metal heat treating	<1	2,795	3,397	9,513
Metal coating and nonprecious engraving	<1	3,645	5,459	18,446
Electroplating, anodizing, and coloring metal	<1	4,221	4,504	10,604
Valve and fittings, other than plumbing, manufacturing	<1	2,882	3,809	12,643
Plumbing fixture fitting and trim manufacturing	<1	365	697	3,176

## Appendix

Ball and roller bearing manufacturing	<1	521	742	2,219
Small arms ammunition manufacturing	<1	107	202	591
Ammunition, except for small arms, manufacturing	<1	3	3	6
Small arms, ordnance, and accessories manufacturing	<1	95	167	511
Fabricated pipe and pipe fitting manufacturing	<1	997	1,173	3,819
Other fabricated metal manufacturing	<1	11,530	14,243	42,207
Farm machinery and equipment manufacturing	<1	511	924	4,075
Lawn and garden equipment manufacturing	<1	46	78	396
Construction machinery manufacturing	<1	183	397	1,482
Mining machinery and equipment manufacturing	<1	90	128	416
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	10	12	29
Food product machinery manufacturing	<1	9	10	31
Sawmill, woodworking, and paper machinery	<1	48	55	166
Printing machinery and equipment manufacturing	<1	73	80	248
All other industrial machinery manufacturing	<1	298	372	1,006
Optical instrument and lens manufacturing	<1	181	257	717
Photographic and photocopying equipment manufacturing	<1	23	27	95
Other commercial service industry machinery manufacturing	<1	276	427	1,450
Air purification and ventilation equipment manufacturing	<1	475	601	1,571
Heating equipment (except warm air furnaces) manufacturing	<1	337	501	1,540
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,866	4,841	16,014
Industrial mold manufacturing	<1	1,025	1,213	2,524
Special tool, die, jig, and fixture manufacturing	<1	1,493	1,911	3,622

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	816	934	2,163
Machine tool manufacturing	<1	234	290	862
Rolling mill and other metalworking machinery manufacturing	<1	437	569	1,298
Turbine and turbine generator set units manufacturing	<1	14	14	38
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,531	2,131	6,125
Mechanical power transmission equipment manufacturing	<1	1,005	1,391	3,634
Other engine equipment manufacturing	<1	9,076	19,437	68,421
Pump and pumping equipment manufacturing	<1	85	137	409
Air and gas compressor manufacturing	<1	51	68	221
Elevator and moving stairway manufacturing	<1	7	9	28
Conveyor and conveying equipment manufacturing	<1	503	565	1,433
Overhead cranes, hoists, and monorail systems manufacturing	<1	27	47	171
Industrial truck, trailer, and stacker manufacturing	<1	87	139	449
Power-driven handtool manufacturing	<1	65	165	446
Welding and soldering equipment manufacturing	<1	178	260	826
Packaging machinery manufacturing	<1	127	178	529
Industrial process furnace and oven manufacturing	<1	83	99	236
Fluid power cylinder and actuator manufacturing	<1	1,514	2,114	5,412
Fluid power pump and motor manufacturing	<1	334	512	1,708
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	352	425	1,103
Electronic computer manufacturing	<1	80	92	334
Computer storage device manufacturing	<1	111	130	379
Computer terminals and other computer peripheral equipment manufacturing	<1	332	384	1,207
Telephone apparatus manufacturing	<1	55	68	239

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	17	19	71
Other communications equipment manufacturing	<1	378	460	1,762
Audio and video equipment manufacturing	<1	63	80	547
Printed circuit assembly (electronic assembly) manufacturing	<1	5,170	6,087	31,466
Bare printed circuit board manufacturing	<1	1,336	1,432	4,033
Semiconductor and related device manufacturing	<1	527	634	2,597
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	162	174	623
Electronic connector manufacturing	<1	931	988	1,738
Other electronic component manufacturing	<1	1,819	1,933	5,328
Electromedical and electrotherapeutic apparatus manufacturing	<1	47	55	155
Search, detection, and navigation instruments manufacturing	<1	42	50	146
Automatic environmental control manufacturing	<1	2,173	2,489	8,229
Industrial process variable instruments manufacturing	<1	294	332	974
Totalizing fluid meter and counting device manufacturing	<1	206	281	908
Electricity and signal testing instruments manufacturing	<1	102	110	290
Analytical laboratory instrument manufacturing	<1	25,336	32,794	88,168
Irradiation apparatus manufacturing	<1	2	3	9
Watch, clock, and other measuring and controlling device manufacturing	<1	445	514	1,940
Blank magnetic and optical recording media manufacturing	<1	204	443	3,112
Software and other prerecorded and record reproducing	<1	383	464	1,527
Electric lamp bulb and part manufacturing	<1	84	103	238
Lighting fixture manufacturing	<1	476	546	2,044
Small electrical appliance manufacturing	<1	3,034	4,262	17,388



## Appendix

Household cooking appliance manufacturing	<1	3,580	4,587	14,553
Household refrigerator and home freezer manufacturing	<1	4,293	5,334	15,464
Household laundry equipment manufacturing	<1	13,516	15,568	48,160
Other major household appliance manufacturing	<1	1,688	2,173	6,069
Power, distribution, and specialty transformer manufacturing	<1	45	53	139
Motor and generator manufacturing	<1	273	370	1,645
Switchgear and switchboard apparatus manufacturing	<1	442	592	2,497
Relay and industrial control manufacturing	<1	785	887	2,581
Storage battery manufacturing	<1	4,866	6,010	21,092
Primary battery manufacturing	<1	1,471	-255	4,735
Fiber optic cable manufacturing	<1	168	210	1,014
Other communication and energy wire manufacturing	<1	25	33	248
Wiring device manufacturing	<1	279	369	1,394
Carbon and graphite product manufacturing	<1	760	979	3,604
All other miscellaneous electrical equipment and component manufacturing	<1	13,886	15,141	45,888
Automobile manufacturing	<1	20,991	99,623	356,255
Light truck and utility vehicle manufacturing	<1	3,809	17,469	89,284
Heavy duty truck manufacturing	<1	14	31	167
Motor vehicle body manufacturing	<1	961	1,339	3,946
Truck trailer manufacturing	<1	12	16	58
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,969	4,987	18,315
Motor vehicle gasoline engine and engine parts manufacturing	<1	29,133	50,055	198,537
Motor vehicle electrical and electronic equipment manufacturing	<1	23,663	32,260	107,714
Motor vehicle transmission and power train parts manufacturing	<1	67,387	107,200	412,389
Motor vehicle seating and interior trim manufacturing	<1	15,882	19,627	83,709
Motor vehicle metal stamping	<1	69,441	92,245	299,269
Other motor vehicle parts manufacturing	<1	39,252	58,699	238,222

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	15,432	23,743	76,153
Aircraft manufacturing	<1	3	5	15
Aircraft engine and engine parts manufacturing	<1	1,049	2,596	6,036
Other aircraft parts and auxiliary equipment manufacturing	<1	130	194	409
Guided missile and space vehicle manufacturing	<1	3	5	10
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	120	176	323
Railroad rolling stock manufacturing	<1	5	5	19
Ship building and repairing	<1	14	21	43
Boat building	<1	10,006	15,843	46,048
Motorcycle, bicycle, and parts manufacturing	<1	225	996	2,290
Military armored vehicle, tank, and tank component manufacturing	<1	6,362	15,349	40,553
All other transportation equipment manufacturing	<1	3,662	8,396	23,907
Wood kitchen cabinet and countertop manufacturing	<1	1,904	2,217	5,414
Upholstered household furniture manufacturing	<1	314	335	1,026
Nonupholstered wood household furniture manufacturing	<1	584	634	1,879
Other household nonupholstered furniture manufacturing	<1	789	1,088	4,406
Institutional furniture manufacturing	<1	249	261	772
Wood office furniture manufacturing	<1	98	114	314
Custom architectural woodwork and millwork	<1	87	82	232
Office furniture, except wood, manufacturing	<1	1,032	1,416	4,563
Showcase, partition, shelving, and locker manufacturing	<1	1,195	1,438	4,178
Mattress manufacturing	<1	441	620	2,346
Blind and shade manufacturing	<1	105	105	398
Surgical and medical instrument manufacturing	<1	1,303	2,065	4,193
Surgical appliance and supplies manufacturing	<1	11,997	23,796	45,944

## Appendix

Dental equipment and supplies manufacturing	<1	72	124	267
Ophthalmic goods manufacturing	<1	322	642	1,209
Dental laboratories	<1	1,306	1,505	2,862
Jewelry and silverware manufacturing	<1	2,023	3,490	9,018
Sporting and athletic goods manufacturing	<1	1,793	2,685	8,031
Doll, toy, and game manufacturing	<1	786	1,567	5,708
Office supplies (except paper) manufacturing	<1	505	831	2,460
Sign manufacturing	<1	2,799	2,660	6,595
Gasket, packing, and sealing device manufacturing	<1	1,997	2,262	4,752
Musical instrument manufacturing	<1	234	261	668
Fasteners, buttons, needles, and pins manufacturing	<1	1,023	1,207	2,398
Broom, brush, and mop manufacturing	<1	886	1,328	3,336
Burial casket manufacturing	<1	48	73	186
All other miscellaneous manufacturing	<1	10,328	14,722	35,778
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	31,259	66,676	139,410
Wholesale - Professional and commercial equipment and supplies	<1	80,275	124,734	223,298
Wholesale - Household appliances and electrical and electronic goods	<1	42,860	101,263	207,976
Wholesale - Machinery, equipment, and supplies	<1	50,762	91,301	168,297
Wholesale - Other durable goods merchant wholesalers	<1	81,712	144,179	291,486
Wholesale - Drugs and druggists'sundries	<1	49,686	124,041	269,864
Wholesale - Grocery and related product wholesalers	<1	74,002	111,488	220,341
Wholesale - Petroleum and petroleum products	<1	18,415	185,590	245,327
Wholesale - Other nondurable goods merchant wholesalers	1	111,238	223,114	449,208
Wholesale - Wholesale electronic markets and agents and brokers	<1	81,417	92,823	110,861
Retail - Motor vehicle and parts dealers	1	100,415	144,235	200,823
Retail - Furniture and home furnishings stores	<1	39,683	54,982	92,261

## Appendix

Retail - Electronics and appliance stores	<1	47,958	43,612	72,958
Retail - Building material and garden equipment and supplies stores	1	53,236	109,186	155,732
Retail - Food and beverage stores	3	122,060	179,802	296,378
Retail - Health and personal care stores	2	88,470	116,317	179,124
Retail - Gasoline stores	1	38,206	96,491	188,414
Retail - Clothing and clothing accessories stores	2	42,208	78,876	176,658
Retail - Sporting goods, hobby, musical instrument and book stores	1	36,049	50,203	86,806
Retail - General merchandise stores	3	130,212	215,616	358,065
Retail - Miscellaneous store retailers	3	87,230	92,394	153,246
Retail - Nonstore retailers	3	68,655	415,153	690,537
Air transportation	<1	91,685	147,660	314,756
Rail transportation	<1	11,383	21,638	45,335
Water transportation	<1	9,584	17,976	75,225
Truck transportation	2	182,938	284,540	591,006
Transit and ground passenger transportation	2	31,110	38,066	67,573
Pipeline transportation	<1	49,090	80,118	121,883
Scenic and sightseeing transportation and support activities for transportation	2	158,530	137,716	214,975
Couriers and messengers	3	55,691	121,245	157,434
Warehousing and storage	2	124,632	137,482	247,348
Newspaper publishers	<1	11,516	17,179	27,236
Periodical publishers	<1	8,017	10,337	19,700
Book publishers	<1	9,893	22,930	53,026
Directory, mailing list, and other publishers	<1	1,669	3,482	6,711
Greeting card publishing	<1	484	1,409	2,592
Software publishers	1	166,397	276,512	407,462
Motion picture and video industries	<1	19,857	26,889	93,443
Sound recording industries	<1	1,742	8,409	21,982
Radio and television broadcasting	<1	42,572	62,088	192,907
Cable and other subscription programming	<1	11,971	66,494	179,907
Wired telecommunications carriers	<1	61,319	124,046	253,421

Appendix

Wireless telecommunications carriers (except satellite)	<1	13,374	91,288	270,947
Satellite, telecommunications resellers, and all other telecommunications	<1	22,837	28,484	73,132
Data processing, hosting, and related services	1	126,147	231,286	679,977
News syndicates, libraries, archives and all other information services	<1	15,922	22,712	51,568
Internet publishing and broadcasting and web search portals	<1	133,379	288,862	1,149,112
Nondepository credit intermediation and related activities	2	178,382	189,291	307,208
Securities and commodity contracts intermediation and brokerage	3	136,278	121,442	330,392
Monetary authorities and depository credit intermediation	4	398,147	824,434	1,528,295
Other financial investment activities	2	89,297	105,781	384,417
Direct life insurance carriers	<1	27,402	57,447	89,093
Insurance carriers, except direct life	2	214,255	716,189	1,517,984
Insurance agencies, brokerages, and related activities	2	192,246	326,544	766,405
Funds, trusts, and other financial vehicles	<1	31,120	43,282	200,955
Other real estate	21	948,575	2,052,623	4,692,521
Tenant-occupied housing	2	67,389	357,780	396,487
Owner-occupied dwellings	0	0	2,138,006	2,596,023
Automotive equipment rental and leasing	<1	23,781	130,988	160,745
General and consumer goods rental except video tapes and discs	<1	23,534	49,061	73,804
Video tape and disc rental	<1	6,853	11,717	19,013
Commercial and industrial machinery and equipment rental and leasing	<1	24,173	95,454	120,546
Lessors of nonfinancial intangible assets	<1	3,562	204,612	213,375
Legal services	6	618,822	1,013,169	1,410,362
Accounting, tax preparation, bookkeeping, and payroll services	3	240,115	268,337	440,618
Architectural, engineering, and related services	4	375,140	393,408	692,492
Specialized design services	<1	34,103	45,169	76,681

## Appendix

Custom computer programming services	<1	90,742	94,698	135,319
Computer systems design services	<1	96,681	91,506	119,090
Other computer related services, including facilities management	<1	86,004	114,596	220,284
Management consulting services	7	709,443	722,850	1,181,974
Environmental and other technical consulting services	10	973,118	970,425	1,584,452
Scientific research and development services	112	12,001,980	15,667,232	29,259,000
Advertising, public relations, and related services	2	187,299	235,428	537,290
Photographic services	<1	5,018	8,985	25,916
Veterinary services	<1	24,827	26,304	42,397
Marketing research and all other miscellaneous professional, scientific, and technical services	4	284,130	375,927	971,269
Management of companies and enterprises	9	1,325,253	1,402,199	2,213,116
Office administrative services	3	215,295	64,299	207,220
Facilities support services	<1	17,032	22,229	59,360
Employment services	21	913,042	1,210,709	2,205,392
Business support services	2	146,340	122,699	216,975
Travel arrangement and reservation services	<1	27,305	41,626	159,141
Investigation and security services	2	63,963	64,944	99,132
Services to buildings	3	112,484	151,631	330,768
Landscape and horticultural services	2	89,355	106,480	202,327
Other support services	<1	51,277	63,827	135,447
Waste management and remediation services	<1	58,505	93,315	195,070
Elementary and secondary schools	2	91,363	82,597	101,281
Junior colleges, colleges, universities, and professional schools	15	654,837	863,590	1,213,525
Other educational services	1	48,339	54,094	111,035
Offices of physicians	5	519,025	519,438	767,461
Offices of dentists	2	117,925	135,914	189,098
Offices of other health practitioners	2	96,272	135,235	179,526
Outpatient care centers	1	89,757	87,828	141,969
Medical and diagnostic laboratories	<1	15,437	22,985	33,113
Home health care services	2	101,815	100,525	134,094

## Appendix

Other ambulatory health care services	<1	40,333	45,953	74,628
Hospitals	9	847,588	973,786	1,837,479
Nursing and community care facilities	2	102,772	109,521	185,611
Residential mental retardation, mental health, substance abuse and other facilities	1	59,999	61,432	94,376
Individual and family services	4	130,296	110,740	157,826
Child day care services	1	44,717	58,360	80,518
Community food, housing, and other relief services, including rehabilitation services	1	42,819	39,587	91,668
Performing arts companies	<1	9,553	17,880	34,711
Commercial Sports Except Racing	1	55,277	42,599	73,150
Racing and Track Operation	<1	1,273	2,271	4,286
Independent artists, writers, and performers	<1	7,390	22,587	34,660
Promoters of performing arts and sports and agents for public figures	<1	17,430	46,653	101,224
Museums, historical sites, zoos, and parks	<1	8,092	9,675	17,785
Amusement parks and arcades	<1	1,884	3,782	4,565
Gambling industries (except casino hotels)	<1	16,365	48,901	68,693
Other amusement and recreation industries	<1	31,597	36,545	49,656
Fitness and recreational sports centers	<1	16,343	21,385	31,884
Bowling centers	<1	3,424	5,128	8,231
Hotels and motels, including casino hotels	<1	29,138	82,157	115,581
Other accommodations	<1	7,407	9,779	13,011
Full-service restaurants	8	232,448	328,427	695,778
Limited-service restaurants	7	173,371	256,370	653,039
All other food and drinking places	5	172,111	250,985	414,813
Automotive repair and maintenance, except car washes	3	183,452	228,331	322,524
Car washes	1	98,040	148,985	213,952
Electronic and precision equipment repair and maintenance	<1	47,531	64,734	105,387
Commercial and industrial machinery and equipment repair and maintenance	1	94,689	107,972	167,944
Personal and household goods repair and maintenance	<1	21,200	46,821	64,617

## Appendix

Personal care services	2	56,871	40,081	51,456
Death care services	<1	14,325	11,512	16,815
Dry-cleaning and laundry services	1	36,317	27,135	36,256
Other personal services	2	54,661	72,756	108,648
Religious organizations	5	250,242	125,126	399,978
Grantmaking, giving, and social advocacy organizations	<1	42,997	135,556	194,557
Business and professional associations	<1	43,229	74,469	120,913
Labor and civic organizations	<1	32,089	99,002	165,513
Private households	1	14,673	14,673	14,737
Postal service	<1	90,633	91,128	91,812
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,186	-3,305	618
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	23,022	7,844	18,033
Local government electric utilities	<1	3,703	12,568	23,940
Other local government enterprises	<1	67,221	155,503	395,162
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	288,552	369,443	676,073

## Minnesota

## NASA

Table 694: Detailed NASA Impacts by Types of Impact, Minnesota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	300	24,493,471	37,557,958	70,481,944
Oilseed farming	<1	63,974	230,144	435,285
Grain farming	<1	45,592	106,337	398,103
Vegetable and melon farming	<1	4,413	8,059	20,302
Fruit farming	<1	578	998	1,942
Tree nut farming	<1	3	5	10
Greenhouse, nursery, and floriculture production	<1	2,920	5,241	14,126
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	2,797	4,704	12,612
All other crop farming	<1	728	1,211	3,280
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	6,818	16,709	57,586
Dairy cattle and milk production	<1	4,594	9,561	61,247
Poultry and egg production	<1	3,145	6,672	88,656
Animal production, except cattle and poultry and eggs	<1	27,311	89,325	129,934
Forestry, forest products, and timber tract production	<1	869	987	1,379
Commercial logging	<1	1,736	1,919	3,730
Commercial fishing	<1	126	520	525
Commercial hunting and trapping	<1	326	1,070	1,550
Support activities for agriculture and forestry	<1	9,526	9,852	11,104
Oil and gas extraction	<1	4,104	2,267	56,179
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	8,081	32,192	40,067
Iron ore mining	<1	2,243	5,036	8,821
Gold ore mining	<1	1,043	2,960	4,717
Silver ore mining	<1	177	366	588
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	978	3,732	5,942
Sand and gravel mining	<1	2,096	4,118	6,812

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	43	77	148
Phosphate rock mining	<1	19	42	83
Other chemical and fertilizer mineral mining	<1	12	23	46
Other nonmetallic minerals	<1	81	175	353
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	5	3	15
Metal mining services	<1	146	10	1,670
Other nonmetallic minerals services	<1	5	5	56
Electric power generation - Hydroelectric	<1	4,222	10,374	24,973
Electric power generation - Fossil fuel	<1	22,353	76,076	205,173
Electric power generation - Nuclear	<1	23,980	47,858	109,794
Electric power generation - Solar	<1	955	1,913	3,519
Electric power generation - Wind	<1	4,003	28,040	53,718
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	995	2,733	8,500
Electric power generation - All other	<1	2,567	-1,169	579
Electric power transmission and distribution	<1	84,223	260,360	647,011
Natural gas distribution	<1	20,602	64,822	155,878
Water, sewage and other systems	<1	1,806	3,648	6,481
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	69,898	111,784	245,757
Maintenance and repair construction of residential structures	<1	28,283	42,348	91,712
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	24	38	83
Dog and cat food manufacturing	<1	2,950	6,194	28,540
Other animal food manufacturing	<1	6,201	9,506	73,122
Flour milling	<1	3,187	5,609	32,189
Rice milling	<1	56	87	568
Malt manufacturing	<1	1,537	2,195	13,093
Wet corn milling	<1	16,806	29,696	182,901
Soybean and other oilseed processing	<1	2,049	8,934	82,577
Fats and oils refining and blending	<1	294	636	7,593
Breakfast cereal manufacturing	<1	15,879	30,439	85,472
Beet sugar manufacturing	<1	2,475	3,967	16,019
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3,126	3,967	14,927
Chocolate and confectionery manufacturing from cacao beans	<1	518	670	2,491
Confectionery manufacturing from purchased chocolate	<1	447	583	3,323
Frozen fruits, juices and vegetables manufacturing	<1	3,234	5,545	21,339
Frozen specialties manufacturing	<1	4,758	5,890	23,674
Canned fruits and vegetables manufacturing	<1	4,068	6,423	23,970
Canned specialties	<1	7	14	88
Dehydrated food products manufacturing	<1	153	237	880
Cheese manufacturing	<1	6,168	7,807	63,379
Dry, condensed, and evaporated dairy product manufacturing	<1	2,332	4,433	28,925
Fluid milk manufacturing	<1	5,395	7,383	39,560
Creamery butter manufacturing	<1	518	1,339	9,040
Ice cream and frozen dessert manufacturing	<1	2,029	2,547	8,253

## Appendix

Frozen cakes and other pastries manufacturing	<1	4,608	6,722	13,153
Poultry processing	<1	25,491	29,847	124,911
Animal, except poultry, slaughtering	<1	13,381	15,502	120,398
Meat processed from carcasses	<1	13,620	12,909	82,741
Rendering and meat byproduct processing	<1	538	532	2,651
Seafood product preparation and packaging	<1	2,809	3,420	18,393
Bread and bakery product, except frozen, manufacturing	<1	19,148	25,577	61,512
Cookie and cracker manufacturing	<1	1,344	1,720	6,880
Dry pasta, mixes, and dough manufacturing	<1	1,534	2,777	14,632
Tortilla manufacturing	<1	2,005	2,454	7,263
Roasted nuts and peanut butter manufacturing	<1	2,338	4,520	13,664
Other snack food manufacturing	<1	4,578	9,392	33,138
Coffee and tea manufacturing	<1	1,001	1,556	8,032
Flavoring syrup and concentrate manufacturing	<1	53	263	573
Mayonnaise, dressing, and sauce manufacturing	<1	84	134	621
Spice and extract manufacturing	<1	843	1,181	5,404
All other food manufacturing	<1	7,765	9,835	37,423
Bottled and canned soft drinks & water	<1	5,413	8,411	37,676
Manufactured ice	<1	268	168	860
Breweries	<1	9,370	16,893	59,100
Wineries	<1	1,631	2,570	12,976
Distilleries	<1	2,615	8,776	23,719
Tobacco product manufacturing	<1	271	7,170	15,269
Fiber, yarn, and thread mills	<1	105	116	848
Broadwoven fabric mills	<1	114	122	717
Narrow fabric mills and schiffli machine embroidery	<1	30	30	114
Nonwoven fabric mills	<1	1,529	1,525	10,377
Knit fabric mills	<1	44	45	202
Textile and fabric finishing mills	<1	39	42	349
Fabric coating mills	<1	49	50	253
Carpet and rug mills	<1	351	390	2,103
Curtain and linen mills	<1	433	437	1,927
Textile bag and canvas mills	<1	330	326	1,422
Rope, cordage, twine, tire cord and tire fabric mills	<1	122	118	423

## Appendix

Other textile product mills	<1	2,335	2,328	7,037
Hosiery and sock mills	<1	32	45	118
Other apparel knitting mills	<1	51	74	197
Cut and sew apparel contractors	<1	171	193	454
Men's and boys' cut and sew apparel manufacturing	<1	173	174	662
Women's and girls' cut and sew apparel manufacturing	<1	198	152	1,318
Other cut and sew apparel manufacturing	<1	119	123	543
Apparel accessories and other apparel manufacturing	<1	227	203	853
Leather and hide tanning and finishing	<1	331	236	1,283
Footwear manufacturing	<1	398	379	934
Other leather and allied product manufacturing	<1	206	190	462
Sawmills	<1	568	985	4,660
Wood preservation	<1	465	1,217	3,415
Veneer and plywood manufacturing	<1	600	936	3,087
Engineered wood member and truss manufacturing	<1	1,168	1,863	6,132
Reconstituted wood product manufacturing	<1	666	1,906	6,421
Wood windows and door manufacturing	<1	12,192	16,008	39,241
Cut stock, resawing lumber, and planing	<1	201	385	1,228
Other millwork, including flooring	<1	1,337	2,088	6,416
Wood container and pallet manufacturing	<1	3,505	4,673	12,863
Manufactured home (mobile home) manufacturing	<1	4	6	15
Prefabricated wood building manufacturing	<1	485	805	2,277
All other miscellaneous wood product manufacturing	<1	1,379	1,879	5,868
Pulp mills	<1	32	43	179
Paper mills	<1	15,832	28,481	99,745
Paperboard mills	<1	3,371	5,908	24,541
Paperboard container manufacturing	<1	15,640	21,649	95,122
Paper bag and coated and treated paper manufacturing	<1	11,762	16,317	52,805
Stationery product manufacturing	<1	2,111	2,520	8,308

## Appendix

Sanitary paper product manufacturing	<1	975	2,344	7,829
All other converted paper product manufacturing	<1	483	720	2,331
Printing	2	177,771	265,698	474,575
Support activities for printing	<1	20,727	30,378	39,447
Petroleum refineries	<1	16,195	121,762	720,257
Asphalt paving mixture and block manufacturing	<1	71	100	486
Asphalt shingle and coating materials manufacturing	<1	1,011	3,272	8,293
Petroleum lubricating oil and grease manufacturing	<1	4,707	10,692	33,043
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	411	3,509	18,338
Industrial gas manufacturing	<1	1,430	3,161	12,203
Synthetic dye and pigment manufacturing	<1	71	112	454
Other basic inorganic chemical manufacturing	<1	28	48	195
Other basic organic chemical manufacturing	<1	4,448	8,606	62,371
Plastics material and resin manufacturing	<1	3,848	5,878	34,994
Synthetic rubber manufacturing	<1	213	280	1,181
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	521	1,422	7,676
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	72	113	432
Pesticide and other agricultural chemical manufacturing	<1	77	206	1,322
Medicinal and botanical manufacturing	<1	501	623	2,027
Pharmaceutical preparation manufacturing	<1	4,215	8,057	22,787
In-vitro diagnostic substance manufacturing	<1	3,654	4,410	10,134
Biological product (except diagnostic) manufacturing	<1	591	1,193	3,008
Paint and coating manufacturing	<1	1,271	2,031	9,973
Adhesive manufacturing	<1	4,089	5,312	15,707
Soap and other detergent manufacturing	<1	922	1,845	9,900
Polish and other sanitation good manufacturing	<1	2,044	2,673	8,603

## Appendix

Surface active agent manufacturing	<1	38	107	542
Toilet preparation manufacturing	<1	4,318	8,746	23,836
Printing ink manufacturing	<1	4,050	4,391	16,060
Explosives manufacturing	<1	34,218	40,523	129,259
Custom compounding of purchased resins	<1	7,042	10,916	34,826
Photographic film and chemical manufacturing	<1	4,457	7,408	24,219
Other miscellaneous chemical product manufacturing	<1	5,864	7,718	30,307
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6,069	7,883	35,214
Unlaminated plastics profile shape manufacturing	<1	2,821	4,403	16,933
Plastics pipe and pipe fitting manufacturing	<1	4,704	8,692	35,521
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	306	400	1,407
Polystyrene foam product manufacturing	<1	955	1,321	6,127
Urethane and other foam product (except polystyrene) manufacturing	<1	1,415	1,888	9,672
Plastics bottle manufacturing	<1	182	234	1,391
Other plastics product manufacturing	<1	48,619	59,055	202,835
Tire manufacturing	<1	843	993	3,974
Rubber and plastics hoses and belting manufacturing	<1	90	118	460
Other rubber product manufacturing	<1	8,352	9,441	29,057
Pottery, ceramics, and plumbing fixture manufacturing	<1	351	464	1,318
Brick, tile, and other structural clay product manufacturing	<1	495	657	1,714
Flat glass manufacturing	<1	242	351	938
Other pressed and blown glass and glassware manufacturing	<1	13	19	109
Glass container manufacturing	<1	1,360	1,787	4,872
Glass product manufacturing made of purchased glass	<1	6,648	9,122	23,903
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	4,256	5,500	19,363
Concrete block and brick manufacturing	<1	1,270	1,723	5,229
Concrete pipe manufacturing	<1	449	586	1,820



Appendix

Other concrete product manufacturing	<1	2,466	2,991	7,753
Lime manufacturing	<1	85	127	427
Gypsum product manufacturing	<1	1,034	1,919	6,418
Abrasive product manufacturing	<1	318	485	932
Cut stone and stone product manufacturing	<1	1,708	1,937	4,372
Ground or treated mineral and earth manufacturing	<1	676	1,062	2,539
Mineral wool manufacturing	<1	93	164	510
Miscellaneous nonmetallic mineral products manufacturing	<1	750	1,181	3,014
Iron and steel mills and ferroalloy manufacturing	<1	2,040	4,707	27,734
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,174	2,436	14,465
Rolled steel shape manufacturing	<1	737	2,293	12,406
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	363	585	3,513
Secondary smelting and alloying of aluminum	<1	198	375	3,859
Aluminum sheet, plate, and foil manufacturing	<1	988	1,956	8,733
Other aluminum rolling, drawing and extruding	<1	472	662	3,450
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1,088	2,094	18,629
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	66	128	651
Ferrous metal foundries	<1	1,661	2,536	6,810
Nonferrous metal foundries	<1	5,214	6,711	16,210
Custom roll forming	<1	227	309	1,721
Crown and closure manufacturing and metal stamping	<1	5,722	7,132	21,924
Iron and steel forging	<1	1,128	1,465	5,104
Nonferrous forging	<1	39	48	191
Cutlery, utensil, pot, and pan manufacturing	<1	205	384	1,189
Handtool manufacturing	<1	2,803	4,156	10,501
Prefabricated metal buildings and components manufacturing	<1	362	505	1,656

## Appendix

Fabricated structural metal manufacturing	<1	2,198	3,085	10,674
Plate work manufacturing	<1	2,581	2,903	9,487
Metal window and door manufacturing	<1	1,991	2,615	7,121
Sheet metal work manufacturing	<1	10,623	13,674	38,679
Ornamental and architectural metal work manufacturing	<1	3,268	3,832	9,563
Power boiler and heat exchanger manufacturing	<1	146	191	531
Metal tank (heavy gauge) manufacturing	<1	671	800	2,387
Metal cans manufacturing	<1	1,631	2,814	17,361
Metal barrels, drums and pails manufacturing	<1	870	1,098	4,776
Hardware manufacturing	<1	1,026	1,444	5,964
Spring and wire product manufacturing	<1	2,602	3,269	10,439
Machine shops	<1	43,313	49,781	105,124
Turned product and screw, nut, and bolt manufacturing	<1	6,604	8,108	22,704
Metal heat treating	<1	2,139	2,686	7,609
Metal coating and nonprecious engraving	<1	2,942	4,695	15,179
Electroplating, anodizing, and coloring metal	<1	4,276	4,610	10,267
Valve and fittings, other than plumbing, manufacturing	<1	3,655	5,048	13,999
Plumbing fixture fitting and trim manufacturing	<1	200	407	1,352
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2,221	4,451	10,765
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	10,005	18,129	37,118
Fabricated pipe and pipe fitting manufacturing	<1	1,322	1,591	4,315
Other fabricated metal manufacturing	<1	4,362	5,521	17,208
Farm machinery and equipment manufacturing	<1	491	937	3,865
Lawn and garden equipment manufacturing	<1	380	684	3,292
Construction machinery manufacturing	<1	350	835	2,335
Mining machinery and equipment manufacturing	<1	19	27	78

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	13	17	71
Semiconductor machinery manufacturing	<1	202	246	721
Food product machinery manufacturing	<1	41	47	119
Sawmill, woodworking, and paper machinery	<1	16	18	70
Printing machinery and equipment manufacturing	<1	112	124	345
All other industrial machinery manufacturing	<1	261	333	803
Optical instrument and lens manufacturing	<1	101	146	359
Photographic and photocopying equipment manufacturing	<1	44	55	163
Other commercial service industry machinery manufacturing	<1	422	688	2,009
Air purification and ventilation equipment manufacturing	1	86,012	113,770	330,263
Heating equipment (except warm air furnaces) manufacturing	<1	1,760	2,811	9,167
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10,756	18,754	52,747
Industrial mold manufacturing	<1	755	913	1,856
Special tool, die, jig, and fixture manufacturing	<1	341	453	843
Cutting tool and machine tool accessory manufacturing	<1	613	714	1,551
Machine tool manufacturing	<1	97	124	357
Rolling mill and other metalworking machinery manufacturing	<1	74	100	250
Turbine and turbine generator set units manufacturing	<1	3	4	9
Speed changer, industrial high-speed drive, and gear manufacturing	<1	89	128	357
Mechanical power transmission equipment manufacturing	<1	306	440	1,023
Other engine equipment manufacturing	<1	25	53	255
Pump and pumping equipment manufacturing	<1	175	299	1,026
Air and gas compressor manufacturing	<1	5,169	7,395	21,896
Elevator and moving stairway manufacturing	<1	9	12	44

## Appendix

Conveyor and conveying equipment manufacturing	<1	167	188	496
Overhead cranes, hoists, and monorail systems manufacturing	<1	86	155	589
Industrial truck, trailer, and stacker manufacturing	<1	173	290	1,073
Power-driven handtool manufacturing	<1	49	137	348
Welding and soldering equipment manufacturing	<1	11	17	55
Packaging machinery manufacturing	<1	392	586	1,544
Industrial process furnace and oven manufacturing	<1	23	29	61
Fluid power cylinder and actuator manufacturing	<1	796	1,130	2,796
Fluid power pump and motor manufacturing	<1	382	625	1,649
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	312	384	1,029
Electronic computer manufacturing	<1	855	1,093	4,066
Computer storage device manufacturing	<1	1,361	1,830	7,499
Computer terminals and other computer peripheral equipment manufacturing	<1	2,604	3,343	10,214
Telephone apparatus manufacturing	<1	56	81	271
Broadcast and wireless communications equipment manufacturing	<1	38	46	153
Other communications equipment manufacturing	<1	222	310	1,017
Audio and video equipment manufacturing	<1	88	130	933
Printed circuit assembly (electronic assembly) manufacturing	<1	2,446	3,369	16,915
Bare printed circuit board manufacturing	<1	-793	-648	-369
Semiconductor and related device manufacturing	<1	-110	-613	1,001
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	185	217	807
Electronic connector manufacturing	<1	2,209	2,665	9,120
Other electronic component manufacturing	<1	1,444	1,665	5,366

Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	1,300	1,760	4,820
Search, detection, and navigation instruments manufacturing	<1	4,624	7,159	21,221
Automatic environmental control manufacturing	<1	6,689	8,314	17,572
Industrial process variable instruments manufacturing	<1	3,332	4,421	12,380
Totalizing fluid meter and counting device manufacturing	<1	57	94	270
Electricity and signal testing instruments manufacturing	<1	475	548	1,966
Analytical laboratory instrument manufacturing	<1	109,133	154,304	351,828
Irradiation apparatus manufacturing	<1	<1	<1	3
Watch, clock, and other measuring and controlling device manufacturing	0	-2,339	-2,970	-8,323
Blank magnetic and optical recording media manufacturing	<1	719	1,893	11,486
Software and other prerecorded and record reproducing	<1	1,055	1,374	4,393
Electric lamp bulb and part manufacturing	<1	20	33	82
Lighting fixture manufacturing	<1	235	308	1,074
Small electrical appliance manufacturing	<1	39	85	244
Household cooking appliance manufacturing	<1	5	12	36
Household refrigerator and home freezer manufacturing	<1	7	14	39
Household laundry equipment manufacturing	<1	18	32	105
Other major household appliance manufacturing	<1	3	8	19
Power, distribution, and specialty transformer manufacturing	<1	20	28	94
Motor and generator manufacturing	<1	2,772	5,056	14,933
Switchgear and switchboard apparatus manufacturing	<1	216	387	1,111
Relay and industrial control manufacturing	<1	2,769	3,677	9,608
Storage battery manufacturing	<1	67	110	457
Primary battery manufacturing	<1	15	-90	56
Fiber optic cable manufacturing	<1	708	1,033	2,928

Appendix

Other communication and energy wire manufacturing	<1	435	769	2,214
Wiring device manufacturing	<1	2,346	4,757	11,775
Carbon and graphite product manufacturing	<1	345	519	1,633
All other miscellaneous electrical equipment and component manufacturing	<1	7,236	8,319	22,418
Automobile manufacturing	<1	70	405	1,249
Light truck and utility vehicle manufacturing	<1	13	73	310
Heavy duty truck manufacturing	<1	614	1,755	6,829
Motor vehicle body manufacturing	<1	173	275	947
Truck trailer manufacturing	<1	35	56	193
Motor home manufacturing	<1	7,671	17,242	52,770
Travel trailer and camper manufacturing	<1	1,038	1,412	5,526
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,037	2,147	8,614
Motor vehicle electrical and electronic equipment manufacturing	<1	4,248	6,659	23,595
Motor vehicle transmission and power train parts manufacturing	<1	3,016	5,624	21,958
Motor vehicle seating and interior trim manufacturing	<1	22	30	178
Motor vehicle metal stamping	<1	300	443	1,528
Other motor vehicle parts manufacturing	<1	3,736	6,421	22,585
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,009	5,722	18,998
Aircraft manufacturing	<1	12	28	68
Aircraft engine and engine parts manufacturing	<1	16	62	107
Other aircraft parts and auxiliary equipment manufacturing	<1	44	81	155
Guided missile and space vehicle manufacturing	<1	6	16	32
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	1	6
Ship building and repairing	<1	2	3	6
Boat building	<1	4,036	8,229	20,844
Motorcycle, bicycle, and parts manufacturing	<1	246	1,736	3,000

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	81	321	565
All other transportation equipment manufacturing	<1	9,352	31,793	78,351
Wood kitchen cabinet and countertop manufacturing	<1	5,569	6,279	16,347
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	177	190	674
Other household nonupholstered furniture manufacturing	<1	693	911	3,834
Institutional furniture manufacturing	<1	80	83	233
Wood office furniture manufacturing	<1	28	32	109
Custom architectural woodwork and millwork	<1	86	81	219
Office furniture, except wood, manufacturing	<1	380	472	1,309
Showcase, partition, shelving, and locker manufacturing	<1	334	383	1,272
Mattress manufacturing	<1	2,693	3,605	9,499
Blind and shade manufacturing	<1	30	31	98
Surgical and medical instrument manufacturing	<1	7,215	12,839	23,173
Surgical appliance and supplies manufacturing	<1	2,240	5,181	10,293
Dental equipment and supplies manufacturing	<1	18	35	88
Ophthalmic goods manufacturing	<1	1,648	3,827	6,600
Dental laboratories	<1	597	714	1,331
Jewelry and silverware manufacturing	<1	1,552	2,704	6,764
Sporting and athletic goods manufacturing	<1	3,210	5,285	14,048
Doll, toy, and game manufacturing	<1	133	310	951
Office supplies (except paper) manufacturing	<1	770	1,421	3,906
Sign manufacturing	<1	4,747	4,626	10,622
Gasket, packing, and sealing device manufacturing	<1	971	1,153	2,570
Musical instrument manufacturing	<1	90	105	297
Fasteners, buttons, needles, and pins manufacturing	<1	11	14	40

## Appendix

Broom, brush, and mop manufacturing	<1	114	191	606
Burial casket manufacturing	<1	220	363	715
All other miscellaneous manufacturing	<1	5,172	8,092	19,491
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	20,865	40,984	90,037
Wholesale - Professional and commercial equipment and supplies	<1	109,560	159,761	270,705
Wholesale - Household appliances and electrical and electronic goods	<1	43,755	94,021	211,295
Wholesale - Machinery, equipment, and supplies	<1	58,776	100,396	179,200
Wholesale - Other durable goods merchant wholesalers	<1	91,688	150,402	292,293
Wholesale - Drugs and druggistsâ€™ sundries	<1	46,064	99,324	205,147
Wholesale - Grocery and related product wholesalers	<1	73,753	103,794	186,482
Wholesale - Petroleum and petroleum products	<1	8,346	98,134	125,355
Wholesale - Other nondurable goods merchant wholesalers	1	133,206	249,331	473,198
Wholesale - Wholesale electronic markets and agents and brokers	<1	53,590	59,603	68,804
Retail - Motor vehicle and parts dealers	<1	60,292	84,109	119,649
Retail - Furniture and home furnishings stores	<1	31,336	42,532	70,758
Retail - Electronics and appliance stores	<1	28,064	26,312	44,640
Retail - Building material and garden equipment and supplies stores	<1	38,022	73,541	105,034
Retail - Food and beverage stores	3	88,203	129,326	222,204
Retail - Health and personal care stores	1	60,157	76,958	112,771
Retail - Gasoline stores	<1	28,279	67,985	136,919
Retail - Clothing and clothing accessories stores	1	37,286	62,851	131,723
Retail - Sporting goods, hobby, musical instrument and book stores	<1	29,142	38,309	63,410
Retail - General merchandise stores	2	91,191	138,412	233,561
Retail - Miscellaneous store retailers	2	67,223	67,030	105,285
Retail - Nonstore retailers	2	50,718	273,995	471,473
Air transportation	<1	78,361	159,791	311,711



## Appendix

Rail transportation	<1	16,761	60,834	96,285
Water transportation	<1	4,395	11,430	36,008
Truck transportation	2	158,297	227,590	456,937
Transit and ground passenger transportation	2	70,274	76,685	109,260
Pipeline transportation	<1	24,541	38,477	58,357
Scenic and sightseeing transportation and support activities for transportation	<1	69,849	57,985	91,835
Couriers and messengers	3	65,116	120,786	155,013
Warehousing and storage	1	64,391	68,637	121,186
Newspaper publishers	<1	20,405	29,537	45,926
Periodical publishers	<1	8,267	10,528	20,031
Book publishers	<1	80,894	174,559	352,915
Directory, mailing list, and other publishers	<1	7,536	14,796	25,717
Greeting card publishing	<1	143	385	1,127
Software publishers	3	482,485	825,903	1,114,020
Motion picture and video industries	<1	14,538	19,281	67,001
Sound recording industries	<1	4,690	19,949	48,255
Radio and television broadcasting	<1	196,281	224,652	360,678
Cable and other subscription programming	<1	30,500	81,711	169,267
Wired telecommunications carriers	<1	47,263	123,151	214,234
Wireless telecommunications carriers (except satellite)	<1	9,057	86,772	173,857
Satellite, telecommunications resellers, and all other telecommunications	<1	24,837	33,245	70,481
Data processing, hosting, and related services	<1	123,471	212,118	558,018
News syndicates, libraries, archives and all other information services	<1	6,149	8,468	21,542
Internet publishing and broadcasting and web search portals	2	354,129	735,498	3,302,737
Nondepository credit intermediation and related activities	<1	83,699	88,155	131,156
Securities and commodity contracts intermediation and brokerage	3	247,126	237,271	395,332
Monetary authorities and depository credit intermediation	4	504,002	1,085,980	1,682,036

## Appendix

Other financial investment activities	2	137,917	209,627	400,070
Direct life insurance carriers	<1	93,109	170,310	228,436
Insurance carriers, except direct life	1	212,479	576,837	1,052,516
Insurance agencies, brokerages, and related activities	1	125,392	189,483	408,631
Funds, trusts, and other financial vehicles	<1	39,326	59,687	174,461
Other real estate	12	303,021	1,084,097	2,550,991
Tenant-occupied housing	1	26,169	321,378	347,825
Owner-occupied dwellings	0	0	1,575,026	1,900,796
Automotive equipment rental and leasing	<1	14,491	53,466	67,543
General and consumer goods rental except video tapes and discs	<1	22,958	42,665	60,626
Video tape and disc rental	<1	5,755	9,166	14,345
Commercial and industrial machinery and equipment rental and leasing	<1	48,458	126,605	163,589
Lessors of nonfinancial intangible assets	<1	-17,888	132,254	141,882
Legal services	3	397,517	689,209	912,023
Accounting, tax preparation, bookkeeping, and payroll services	2	161,894	192,230	294,094
Architectural, engineering, and related services	3	329,790	353,476	624,502
Specialized design services	<1	13,883	20,739	37,633
Custom computer programming services	2	246,863	259,775	346,291
Computer systems design services	<1	115,011	111,869	139,783
Other computer related services, including facilities management	<1	87,047	119,813	205,510
Management consulting services	7	851,016	870,759	1,288,124
Environmental and other technical consulting services	<1	62,968	68,126	107,093
Scientific research and development services	55	5,767,482	7,267,432	13,962,122
Advertising, public relations, and related services	3	259,550	364,498	763,193
Photographic services	<1	5,212	11,037	24,789
Veterinary services	<1	13,886	15,139	23,574
Marketing research and all other miscellaneous professional, scientific, and technical services	2	208,963	306,810	664,790
Management of companies and enterprises	5	909,031	1,000,668	1,495,232

## Appendix

Office administrative services	1	121,967	29,725	98,008
Facilities support services	<1	5,419	7,023	19,681
Employment services	10	576,003	748,359	1,212,228
Business support services	<1	57,803	48,444	78,109
Travel arrangement and reservation services	<1	14,469	21,401	66,613
Investigation and security services	<1	37,590	38,759	55,049
Services to buildings	2	72,814	98,686	202,798
Landscape and horticultural services	1	54,356	65,618	118,706
Other support services	<1	39,882	49,473	99,366
Waste management and remediation services	<1	36,162	63,506	119,113
Elementary and secondary schools	1	78,780	64,394	78,002
Junior colleges, colleges, universities, and professional schools	37	1,557,919	1,952,397	2,825,199
Other educational services	<1	46,930	51,760	100,999
Offices of physicians	3	421,393	421,953	575,441
Offices of dentists	1	82,873	105,175	135,648
Offices of other health practitioners	1	68,820	117,574	145,612
Outpatient care centers	<1	76,177	75,214	110,725
Medical and diagnostic laboratories	<1	17,079	31,808	41,619
Home health care services	2	67,381	66,996	90,776
Other ambulatory health care services	<1	39,082	48,663	68,021
Hospitals	7	697,786	813,033	1,463,610
Nursing and community care facilities	2	118,952	134,329	214,811
Residential mental retardation, mental health, substance abuse and other facilities	1	64,461	68,559	100,032
Individual and family services	5	205,579	179,757	246,393
Child day care services	1	46,461	69,053	89,470
Community food, housing, and other relief services, including rehabilitation services	1	43,769	40,767	86,956
Performing arts companies	<1	13,015	30,230	50,422
Commercial Sports Except Racing	<1	49,642	52,739	73,833
Racing and Track Operation	<1	2,494	7,479	10,906
Independent artists, writers, and performers	<1	7,163	31,582	41,428

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	10,205	38,790	74,774
Museums, historical sites, zoos, and parks	<1	6,477	8,348	14,296
Amusement parks and arcades	<1	2,288	5,890	6,798
Gambling industries (except casino hotels)	<1	14,169	40,993	57,423
Other amusement and recreation industries	<1	20,176	26,294	37,724
Fitness and recreational sports centers	<1	13,708	20,395	30,987
Bowling centers	<1	2,675	4,279	7,024
Hotels and motels, including casino hotels	<1	15,659	33,251	50,553
Other accommodations	<1	4,034	5,050	6,826
Full-service restaurants	6	187,022	265,254	516,544
Limited-service restaurants	4	122,235	187,999	440,326
All other food and drinking places	3	122,199	168,870	273,279
Automotive repair and maintenance, except car washes	2	136,982	145,801	209,712
Car washes	<1	58,499	84,434	123,151
Electronic and precision equipment repair and maintenance	2	194,330	261,067	375,178
Commercial and industrial machinery and equipment repair and maintenance	<1	58,193	67,463	96,303
Personal and household goods repair and maintenance	<1	15,625	28,934	40,529
Personal care services	2	60,657	34,720	42,555
Death care services	<1	10,181	6,742	9,205
Dry-cleaning and laundry services	<1	26,384	15,876	20,119
Other personal services	<1	31,238	38,570	53,779
Religious organizations	3	190,230	86,657	288,823
Grantmaking, giving, and social advocacy organizations	<1	45,056	128,959	183,538
Business and professional associations	<1	31,001	48,552	79,736
Labor and civic organizations	<1	28,623	79,605	144,527
Private households	<1	10,879	10,879	10,879
Postal service	<1	87,267	87,765	87,796
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,332	-17,065	567
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	148	179	427
Local government passenger transit	<1	20,871	2,694	10,289
Local government electric utilities	<1	3,817	10,652	24,093
Other local government enterprises	1	76,189	125,818	393,288
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	14	2,051,099	3,685,221	6,743,866

## Moon to Mars Campaign

**Table 695: Detailed M2M Campaign Impacts by Types of Impact, Minnesota**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	43	3,625,827	5,650,720	11,030,055
Oilseed farming	<1	10,604	44,032	86,614
Grain farming	<1	5,656	17,602	50,395
Vegetable and melon farming	<1	652	1,256	3,056
Fruit farming	<1	101	177	334
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	390	736	1,902
Tobacco farming	0	0	0	0

Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	323	566	1,446
All other crop farming	<1	80	140	368
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	765	2,172	6,598
Dairy cattle and milk production	<1	729	1,669	9,648
Poultry and egg production	<1	381	857	10,525
Animal production, except cattle and poultry and eggs	<1	2,460	9,241	12,962
Forestry, forest products, and timber tract production	<1	82	94	129
Commercial logging	<1	238	280	521
Commercial fishing	<1	58	74	74
Commercial hunting and trapping	<1	60	137	193
Support activities for agriculture and forestry	<1	1,040	1,086	1,222
Oil and gas extraction	<1	404	255	6,775
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	1,751	7,216	8,803
Iron ore mining	<1	298	673	1,157
Gold ore mining	<1	153	430	665
Silver ore mining	<1	17	35	55
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	101	380	604
Sand and gravel mining	<1	196	384	621
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	6	11	21
Phosphate rock mining	<1	3	6	13
Other chemical and fertilizer mineral mining	<1	2	3	6
Other nonmetallic minerals	<1	6	14	27
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	18	1	239
Other nonmetallic minerals services	<1	<1	<1	4
Electric power generation - Hydroelectric	<1	716	1,717	4,063

Appendix

Electric power generation - Fossil fuel	<1	3,601	11,214	30,258
Electric power generation - Nuclear	<1	3,973	7,893	17,994
Electric power generation - Solar	<1	146	290	533
Electric power generation - Wind	<1	441	3,070	5,845
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	157	430	1,368
Electric power generation - All other	<1	412	-125	75
Electric power transmission and distribution	<1	11,429	33,718	83,603
Natural gas distribution	<1	3,270	9,936	23,327
Water, sewage and other systems	<1	297	572	992
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,737	14,357	30,619
Maintenance and repair construction of residential structures	<1	3,911	5,995	12,642
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	12
Dog and cat food manufacturing	<1	390	825	3,749
Other animal food manufacturing	<1	747	1,183	8,889
Flour milling	<1	396	700	4,116

## Appendix

Rice milling	<1	9	14	93
Malt manufacturing	<1	232	343	2,138
Wet corn milling	<1	2,928	5,547	31,349
Soybean and other oilseed processing	<1	313	1,364	12,613
Fats and oils refining and blending	<1	50	108	1,299
Breakfast cereal manufacturing	<1	2,251	4,183	11,888
Beet sugar manufacturing	<1	459	694	2,868
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	503	634	2,321
Chocolate and confectionery manufacturing from cacao beans	<1	122	159	576
Confectionery manufacturing from purchased chocolate	<1	69	91	514
Frozen fruits, juices and vegetables manufacturing	<1	509	900	3,259
Frozen specialties manufacturing	<1	690	848	3,429
Canned fruits and vegetables manufacturing	<1	694	1,110	4,152
Canned specialties	<1	1	2	13
Dehydrated food products manufacturing	<1	31	47	175
Cheese manufacturing	<1	1,175	1,470	12,264
Dry, condensed, and evaporated dairy product manufacturing	<1	363	686	4,521
Fluid milk manufacturing	<1	910	1,272	6,720
Creamery butter manufacturing	<1	90	229	1,569
Ice cream and frozen dessert manufacturing	<1	313	398	1,258
Frozen cakes and other pastries manufacturing	<1	745	1,093	2,112
Poultry processing	<1	2,902	3,467	14,608
Animal, except poultry, slaughtering	<1	1,790	2,095	16,449
Meat processed from carcasses	<1	1,861	1,774	11,369
Rendering and meat byproduct processing	<1	77	77	386
Seafood product preparation and packaging	<1	429	535	2,711
Bread and bakery product, except frozen, manufacturing	<1	3,035	4,088	9,809
Cookie and cracker manufacturing	<1	218	288	1,086
Dry pasta, mixes, and dough manufacturing	<1	235	422	2,310
Tortilla manufacturing	<1	277	337	1,001



## Appendix

Roasted nuts and peanut butter manufacturing	<1	361	719	2,095
Other snack food manufacturing	<1	652	1,328	4,634
Coffee and tea manufacturing	<1	176	276	1,444
Flavoring syrup and concentrate manufacturing	<1	7	35	75
Mayonnaise, dressing, and sauce manufacturing	<1	13	21	98
Spice and extract manufacturing	<1	155	222	1,004
All other food manufacturing	<1	1,254	1,591	6,108
Bottled and canned soft drinks & water	<1	685	1,074	4,823
Manufactured ice	<1	37	23	114
Breweries	<1	1,536	2,866	9,998
Wineries	<1	304	474	2,285
Distilleries	<1	371	1,342	3,510
Tobacco product manufacturing	<1	37	1,165	2,310
Fiber, yarn, and thread mills	<1	17	20	137
Broadwoven fabric mills	<1	15	17	94
Narrow fabric mills and schiffli machine embroidery	<1	3	3	12
Nonwoven fabric mills	<1	75	82	511
Knit fabric mills	<1	7	9	36
Textile and fabric finishing mills	<1	7	7	60
Fabric coating mills	<1	9	8	41
Carpet and rug mills	<1	47	55	271
Curtain and linen mills	<1	69	71	299
Textile bag and canvas mills	<1	44	44	185
Rope, cordage, twine, tire cord and tire fabric mills	<1	11	11	37
Other textile product mills	<1	485	494	1,448
Hosiery and sock mills	<1	5	7	17
Other apparel knitting mills	<1	7	11	26
Cut and sew apparel contractors	<1	23	26	59
Men's and boys' cut and sew apparel manufacturing	<1	39	40	141
Women's and girls' cut and sew apparel manufacturing	<1	38	32	239
Other cut and sew apparel manufacturing	<1	25	26	110
Apparel accessories and other apparel manufacturing	<1	40	37	139
Leather and hide tanning and finishing	<1	58	41	219
Footwear manufacturing	<1	61	58	135
Other leather and allied product manufacturing	<1	32	31	71

## Appendix

Sawmills	<1	70	122	576
Wood preservation	<1	53	139	401
Veneer and plywood manufacturing	<1	74	114	381
Engineered wood member and truss manufacturing	<1	191	301	994
Reconstituted wood product manufacturing	<1	83	236	795
Wood windows and door manufacturing	<1	1,895	2,466	6,016
Cut stock, resawing lumber, and planing	<1	26	49	158
Other millwork, including flooring	<1	237	364	1,113
Wood container and pallet manufacturing	<1	428	572	1,569
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	58	96	270
All other miscellaneous wood product manufacturing	<1	210	277	833
Pulp mills	<1	4	5	23
Paper mills	<1	2,236	3,626	13,881
Paperboard mills	<1	473	780	3,417
Paperboard container manufacturing	<1	2,328	3,238	14,486
Paper bag and coated and treated paper manufacturing	<1	2,205	2,968	9,728
Stationery product manufacturing	<1	463	545	1,742
Sanitary paper product manufacturing	<1	137	320	1,107
All other converted paper product manufacturing	<1	93	134	450
Printing	<1	53,187	81,729	140,242
Support activities for printing	<1	6,755	10,025	12,826
Petroleum refineries	<1	2,357	19,487	108,066
Asphalt paving mixture and block manufacturing	<1	9	12	58
Asphalt shingle and coating materials manufacturing	<1	136	481	1,138
Petroleum lubricating oil and grease manufacturing	<1	7	18	58
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	32	298	1,446
Industrial gas manufacturing	<1	125	297	1,106

## Appendix

Synthetic dye and pigment manufacturing	<1	11	18	75
Other basic inorganic chemical manufacturing	<1	3	5	20
Other basic organic chemical manufacturing	<1	667	1,363	9,645
Plastics material and resin manufacturing	<1	372	601	3,510
Synthetic rubber manufacturing	<1	32	43	180
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	21	60	292
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	10	17	61
Pesticide and other agricultural chemical manufacturing	<1	10	28	176
Medicinal and botanical manufacturing	<1	106	138	409
Pharmaceutical preparation manufacturing	<1	701	1,497	3,945
In-vitro diagnostic substance manufacturing	<1	905	1,113	2,517
Biological product (except diagnostic) manufacturing	<1	106	221	529
Paint and coating manufacturing	<1	175	300	1,437
Adhesive manufacturing	<1	838	1,146	3,245
Soap and other detergent manufacturing	<1	135	296	1,444
Polish and other sanitation good manufacturing	<1	270	380	1,159
Surface active agent manufacturing	<1	4	13	61
Toilet preparation manufacturing	<1	664	1,487	3,853
Printing ink manufacturing	<1	2,024	2,097	7,716
Explosives manufacturing	<1	9	10	34
Custom compounding of purchased resins	<1	967	1,682	4,976
Photographic film and chemical manufacturing	<1	664	1,176	3,539
Other miscellaneous chemical product manufacturing	<1	919	1,271	4,905
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	960	1,255	5,516
Unlaminated plastics profile shape manufacturing	<1	380	604	2,226
Plastics pipe and pipe fitting manufacturing	<1	335	618	2,530

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	44	58	204
Polystyrene foam product manufacturing	<1	116	163	748
Urethane and other foam product (except polystyrene) manufacturing	<1	194	262	1,316
Plastics bottle manufacturing	<1	29	37	216
Other plastics product manufacturing	<1	6,106	7,731	25,421
Tire manufacturing	<1	102	125	488
Rubber and plastics hoses and belting manufacturing	<1	10	14	55
Other rubber product manufacturing	<1	658	746	2,346
Pottery, ceramics, and plumbing fixture manufacturing	<1	46	61	172
Brick, tile, and other structural clay product manufacturing	<1	57	74	195
Flat glass manufacturing	<1	33	47	126
Other pressed and blown glass and glassware manufacturing	<1	1	2	11
Glass container manufacturing	<1	206	272	743
Glass product manufacturing made of purchased glass	<1	656	877	2,325
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	488	614	2,186
Concrete block and brick manufacturing	<1	147	194	600
Concrete pipe manufacturing	<1	52	67	213
Other concrete product manufacturing	<1	268	319	841
Lime manufacturing	<1	10	14	50
Gypsum product manufacturing	<1	128	231	784
Abrasive product manufacturing	<1	50	73	143
Cut stone and stone product manufacturing	<1	187	209	474
Ground or treated mineral and earth manufacturing	<1	81	121	300
Mineral wool manufacturing	<1	11	18	56
Miscellaneous nonmetallic mineral products manufacturing	<1	97	146	372
Iron and steel mills and ferroalloy manufacturing	<1	254	604	3,504
Iron, steel pipe and tube manufacturing from purchased steel	<1	166	346	2,043

## Appendix

Rolled steel shape manufacturing	<1	94	303	1,647
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	71	111	677
Secondary smelting and alloying of aluminum	<1	35	66	671
Aluminum sheet, plate, and foil manufacturing	<1	135	276	1,247
Other aluminum rolling, drawing and extruding	<1	81	113	589
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	75	143	1,239
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	6	11	57
Ferrous metal foundries	<1	247	400	1,073
Nonferrous metal foundries	<1	776	1,005	2,423
Custom roll forming	<1	46	63	354
Crown and closure manufacturing and metal stamping	<1	916	1,142	3,475
Iron and steel forging	<1	124	162	565
Nonferrous forging	<1	5	6	24
Cutlery, utensil, pot, and pan manufacturing	<1	44	80	241
Handtool manufacturing	<1	634	945	2,366
Prefabricated metal buildings and components manufacturing	<1	40	54	179
Fabricated structural metal manufacturing	<1	195	272	946
Plate work manufacturing	<1	789	888	2,887
Metal window and door manufacturing	<1	327	429	1,153
Sheet metal work manufacturing	<1	1,538	1,956	5,456
Ornamental and architectural metal work manufacturing	<1	452	525	1,297
Power boiler and heat exchanger manufacturing	<1	21	27	75
Metal tank (heavy gauge) manufacturing	<1	149	177	513
Metal cans manufacturing	<1	207	355	2,149
Metal barrels, drums and pails manufacturing	<1	49	62	273
Hardware manufacturing	<1	129	179	723
Spring and wire product manufacturing	<1	343	430	1,371

## Appendix

Machine shops	<1	20,645	23,823	50,411
Turned product and screw, nut, and bolt manufacturing	<1	1,677	2,055	5,751
Metal heat treating	<1	680	857	2,436
Metal coating and nonprecious engraving	<1	492	784	2,530
Electroplating, anodizing, and coloring metal	<1	771	831	1,851
Valve and fittings, other than plumbing, manufacturing	<1	367	507	1,412
Plumbing fixture fitting and trim manufacturing	<1	28	55	188
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	304	608	1,434
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,452	2,617	5,164
Fabricated pipe and pipe fitting manufacturing	<1	153	183	503
Other fabricated metal manufacturing	<1	826	1,039	3,197
Farm machinery and equipment manufacturing	<1	37	74	292
Lawn and garden equipment manufacturing	<1	38	70	324
Construction machinery manufacturing	<1	29	73	191
Mining machinery and equipment manufacturing	<1	3	4	11
Oil and gas field machinery and equipment manufacturing	<1	1	2	7
Semiconductor machinery manufacturing	<1	70	85	250
Food product machinery manufacturing	<1	7	8	20
Sawmill, woodworking, and paper machinery	<1	1	2	7
Printing machinery and equipment manufacturing	<1	26	29	80
All other industrial machinery manufacturing	<1	43	55	133
Optical instrument and lens manufacturing	<1	9	12	29
Photographic and photocopying equipment manufacturing	<1	8	10	28
Other commercial service industry machinery manufacturing	<1	82	136	384

## Appendix

Air purification and ventilation equipment manufacturing	<1	18	24	62
Heating equipment (except warm air furnaces) manufacturing	<1	302	491	1,511
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	506	872	2,349
Industrial mold manufacturing	<1	143	174	349
Special tool, die, jig, and fixture manufacturing	<1	65	87	160
Cutting tool and machine tool accessory manufacturing	<1	96	112	242
Machine tool manufacturing	<1	25	32	93
Rolling mill and other metalworking machinery manufacturing	<1	14	19	48
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	13	18	49
Mechanical power transmission equipment manufacturing	<1	33	47	111
Other engine equipment manufacturing	<1	3	7	32
Pump and pumping equipment manufacturing	<1	27	46	157
Air and gas compressor manufacturing	<1	6	8	24
Elevator and moving stairway manufacturing	<1	1	2	7
Conveyor and conveying equipment manufacturing	<1	19	21	57
Overhead cranes, hoists, and monorail systems manufacturing	<1	9	18	65
Industrial truck, trailer, and stacker manufacturing	<1	20	35	126
Power-driven handtool manufacturing	<1	11	29	74
Welding and soldering equipment manufacturing	<1	2	4	10
Packaging machinery manufacturing	<1	77	115	299
Industrial process furnace and oven manufacturing	<1	6	7	15
Fluid power cylinder and actuator manufacturing	<1	107	154	378
Fluid power pump and motor manufacturing	<1	47	78	202

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	49	61	161
Electronic computer manufacturing	<1	170	221	766
Computer storage device manufacturing	<1	264	369	1,474
Computer terminals and other computer peripheral equipment manufacturing	<1	533	699	2,079
Telephone apparatus manufacturing	<1	7	11	36
Broadcast and wireless communications equipment manufacturing	<1	9	11	35
Other communications equipment manufacturing	<1	74	103	341
Audio and video equipment manufacturing	<1	20	30	191
Printed circuit assembly (electronic assembly) manufacturing	<1	540	741	3,738
Bare printed circuit board manufacturing	<1	530	619	1,646
Semiconductor and related device manufacturing	<1	302	418	1,834
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	42	51	183
Electronic connector manufacturing	<1	308	375	1,279
Other electronic component manufacturing	<1	282	326	1,031
Electromedical and electrotherapeutic apparatus manufacturing	<1	242	343	898
Search, detection, and navigation instruments manufacturing	<1	9	13	40
Automatic environmental control manufacturing	<1	599	722	1,391
Industrial process variable instruments manufacturing	<1	183	233	675
Totalizing fluid meter and counting device manufacturing	<1	6	11	30
Electricity and signal testing instruments manufacturing	<1	146	171	587
Analytical laboratory instrument manufacturing	<1	27,245	38,985	87,381
Irradiation apparatus manufacturing	<1	0	0	<1



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	57	73	202
Blank magnetic and optical recording media manufacturing	<1	282	705	4,172
Software and other prerecorded and record reproducing	<1	252	329	1,010
Electric lamp bulb and part manufacturing	<1	3	5	13
Lighting fixture manufacturing	<1	37	48	163
Small electrical appliance manufacturing	<1	6	14	37
Household cooking appliance manufacturing	<1	0	1	4
Household refrigerator and home freezer manufacturing	<1	<1	1	4
Household laundry equipment manufacturing	<1	2	3	12
Other major household appliance manufacturing	<1	0	1	3
Power, distribution, and specialty transformer manufacturing	<1	4	4	15
Motor and generator manufacturing	<1	246	447	1,312
Switchgear and switchboard apparatus manufacturing	<1	29	53	150
Relay and industrial control manufacturing	<1	432	565	1,476
Storage battery manufacturing	<1	10	15	63
Primary battery manufacturing	<1	3	-15	9
Fiber optic cable manufacturing	<1	112	162	448
Other communication and energy wire manufacturing	<1	56	102	284
Wiring device manufacturing	<1	311	643	1,571
Carbon and graphite product manufacturing	<1	35	52	164
All other miscellaneous electrical equipment and component manufacturing	<1	9	11	30
Automobile manufacturing	<1	10	51	157
Light truck and utility vehicle manufacturing	<1	2	9	38
Heavy duty truck manufacturing	<1	69	199	695
Motor vehicle body manufacturing	<1	21	32	115
Truck trailer manufacturing	<1	3	5	18
Motor home manufacturing	<1	682	1,565	4,626
Travel trailer and camper manufacturing	<1	114	155	611

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	125	257	1,034
Motor vehicle electrical and electronic equipment manufacturing	<1	553	874	2,957
Motor vehicle transmission and power train parts manufacturing	<1	465	855	3,220
Motor vehicle seating and interior trim manufacturing	<1	3	4	21
Motor vehicle metal stamping	<1	15	22	75
Other motor vehicle parts manufacturing	<1	306	514	1,829
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	374	724	2,397
Aircraft manufacturing	<1	2	4	9
Aircraft engine and engine parts manufacturing	<1	1	5	9
Other aircraft parts and auxiliary equipment manufacturing	<1	7	13	25
Guided missile and space vehicle manufacturing	<1	<1	1	2
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	<1	<1	<1	<1
Boat building	<1	463	929	2,363
Motorcycle, bicycle, and parts manufacturing	<1	29	187	340
Military armored vehicle, tank, and tank component manufacturing	<1	4	15	25
All other transportation equipment manufacturing	<1	974	3,154	7,888
Wood kitchen cabinet and countertop manufacturing	<1	790	872	2,257
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	26	28	96
Other household nonupholstered furniture manufacturing	<1	103	135	543
Institutional furniture manufacturing	<1	15	15	42
Wood office furniture manufacturing	<1	5	5	17

## Appendix

Custom architectural woodwork and millwork	<1	19	18	48
Office furniture, except wood, manufacturing	<1	72	83	239
Showcase, partition, shelving, and locker manufacturing	<1	48	53	176
Mattress manufacturing	<1	381	509	1,326
Blind and shade manufacturing	<1	4	4	13
Surgical and medical instrument manufacturing	<1	1,411	2,517	4,403
Surgical appliance and supplies manufacturing	<1	343	808	1,552
Dental equipment and supplies manufacturing	<1	3	6	15
Ophthalmic goods manufacturing	<1	231	544	933
Dental laboratories	<1	98	118	218
Jewelry and silverware manufacturing	<1	216	383	947
Sporting and athletic goods manufacturing	<1	463	774	1,988
Doll, toy, and game manufacturing	<1	26	63	180
Office supplies (except paper) manufacturing	<1	106	189	549
Sign manufacturing	<1	1,108	1,087	2,464
Gasket, packing, and sealing device manufacturing	<1	103	122	269
Musical instrument manufacturing	<1	19	22	62
Fasteners, buttons, needles, and pins manufacturing	<1	2	2	7
Broom, brush, and mop manufacturing	<1	23	42	122
Burial casket manufacturing	<1	21	35	67
All other miscellaneous manufacturing	<1	696	1,091	2,579
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,838	5,596	12,326
Wholesale - Professional and commercial equipment and supplies	<1	17,870	26,178	44,005
Wholesale - Household appliances and electrical and electronic goods	<1	7,257	15,589	35,040
Wholesale - Machinery, equipment, and supplies	<1	7,125	12,093	21,649
Wholesale - Other durable goods merchant wholesalers	<1	12,458	20,440	39,731

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	6,265	13,430	27,475
Wholesale - Grocery and related product wholesalers	<1	10,622	14,876	26,707
Wholesale - Petroleum and petroleum products	<1	1,075	14,798	18,456
Wholesale - Other nondurable goods merchant wholesalers	<1	20,219	39,198	72,958
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,339	8,130	9,376
Retail - Motor vehicle and parts dealers	<1	8,030	11,259	15,933
Retail - Furniture and home furnishings stores	<1	4,455	6,075	10,024
Retail - Electronics and appliance stores	<1	3,993	3,784	6,295
Retail - Building material and garden equipment and supplies stores	<1	5,136	9,977	14,158
Retail - Food and beverage stores	<1	12,561	18,435	31,393
Retail - Health and personal care stores	<1	8,320	10,678	15,477
Retail - Gasoline stores	<1	4,059	9,484	18,627
Retail - Clothing and clothing accessories stores	<1	5,261	8,849	18,244
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,200	5,516	9,000
Retail - General merchandise stores	<1	12,521	19,109	31,887
Retail - Miscellaneous store retailers	<1	9,601	9,612	14,825
Retail - Nonstore retailers	<1	7,136	39,497	67,767
Air transportation	<1	13,357	27,652	53,157
Rail transportation	<1	2,313	7,734	12,776
Water transportation	<1	559	1,500	4,450
Truck transportation	<1	25,372	36,261	71,973
Transit and ground passenger transportation	<1	14,360	15,625	20,816
Pipeline transportation	<1	2,630	4,593	7,068
Scenic and sightseeing transportation and support activities for transportation	<1	10,317	8,453	13,367
Couriers and messengers	<1	17,146	31,506	40,350
Warehousing and storage	<1	11,785	12,617	22,133
Newspaper publishers	<1	5,432	8,529	12,603
Periodical publishers	<1	2,624	3,777	6,553
Book publishers	<1	24,243	59,714	111,801

## Appendix

Directory, mailing list, and other publishers	<1	2,078	4,313	7,467
Greeting card publishing	<1	19	55	156
Software publishers	<1	94,374	172,273	229,726
Motion picture and video industries	<1	3,014	4,036	13,116
Sound recording industries	<1	1,033	4,511	10,359
Radio and television broadcasting	<1	50,509	58,152	86,763
Cable and other subscription programming	<1	8,270	22,916	44,975
Wired telecommunications carriers	<1	9,560	25,966	44,258
Wireless telecommunications carriers (except satellite)	<1	1,385	14,565	27,808
Satellite, telecommunications resellers, and all other telecommunications	<1	5,926	7,827	16,809
Data processing, hosting, and related services	<1	25,675	44,856	113,840
News syndicates, libraries, archives and all other information services	<1	1,314	1,833	4,447
Internet publishing and broadcasting and web search portals	1	126,198	250,816	1,472,458
Nondepository credit intermediation and related activities	<1	12,208	12,890	18,749
Securities and commodity contracts intermediation and brokerage	<1	36,690	34,272	52,752
Monetary authorities and depository credit intermediation	<1	58,746	135,667	202,447
Other financial investment activities	<1	23,134	35,036	60,576
Direct life insurance carriers	<1	11,892	21,908	29,032
Insurance carriers, except direct life	<1	29,279	79,505	142,379
Insurance agencies, brokerages, and related activities	<1	17,044	25,600	54,765
Funds, trusts, and other financial vehicles	<1	6,079	9,514	24,908
Other real estate	1	38,540	132,389	300,521
Tenant-occupied housing	<1	3,854	47,204	50,729
Owner-occupied dwellings	0	0	220,734	266,389
Automotive equipment rental and leasing	<1	1,995	7,539	9,342

## Appendix

General and consumer goods rental except video tapes and discs	<1	3,632	6,734	9,471
Video tape and disc rental	<1	772	1,237	1,934
Commercial and industrial machinery and equipment rental and leasing	<1	6,685	17,700	22,766
Lessors of nonfinancial intangible assets	<1	-2,225	17,745	18,974
Legal services	<1	41,524	73,881	96,338
Accounting, tax preparation, bookkeeping, and payroll services	<1	26,727	32,342	48,476
Architectural, engineering, and related services	<1	35,191	38,437	67,398
Specialized design services	<1	2,316	3,546	6,231
Custom computer programming services	<1	85,091	89,260	119,140
Computer systems design services	<1	28,708	27,986	34,678
Other computer related services, including facilities management	<1	21,979	30,120	51,261
Management consulting services	<1	85,417	87,591	127,132
Environmental and other technical consulting services	<1	9,886	10,786	16,698
Scientific research and development services	3	284,425	357,760	670,434
Advertising, public relations, and related services	<1	68,934	98,207	200,726
Photographic services	<1	828	1,865	3,987
Veterinary services	<1	1,870	2,062	3,158
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	25,395	37,943	80,988
Management of companies and enterprises	<1	101,183	112,120	165,151
Office administrative services	<1	26,600	6,976	21,152
Facilities support services	<1	929	1,229	3,302
Employment services	1	88,425	117,078	181,909
Business support services	<1	8,305	7,062	10,976
Travel arrangement and reservation services	<1	1,901	2,831	8,369
Investigation and security services	<1	6,416	6,626	9,222
Services to buildings	<1	10,720	14,802	29,409
Landscape and horticultural services	<1	7,992	9,747	17,181
Other support services	<1	6,885	8,618	16,880
Waste management and remediation services	<1	4,313	7,558	14,099

## Appendix

Elementary and secondary schools	<1	12,553	10,193	12,220
Junior colleges, colleges, universities, and professional schools	7	289,226	360,610	529,232
Other educational services	<1	7,491	8,305	15,916
Offices of physicians	<1	57,311	57,514	78,233
Offices of dentists	<1	11,526	14,875	19,053
Offices of other health practitioners	<1	9,198	16,253	19,962
Outpatient care centers	<1	11,173	11,073	16,277
Medical and diagnostic laboratories	<1	2,431	4,705	6,032
Home health care services	<1	9,632	9,605	13,008
Other ambulatory health care services	<1	5,420	6,852	9,481
Hospitals	1	105,004	123,246	221,321
Nursing and community care facilities	<1	17,683	19,979	31,386
Residential mental retardation, mental health, substance abuse and other facilities	<1	10,281	10,940	15,734
Individual and family services	<1	31,948	28,380	38,451
Child day care services	<1	6,744	10,478	13,304
Community food, housing, and other relief services, including rehabilitation services	<1	7,197	6,733	13,972
Performing arts companies	<1	2,261	5,139	8,055
Commercial Sports Except Racing	<1	9,492	10,458	14,270
Racing and Track Operation	<1	391	1,123	1,578
Independent artists, writers, and performers	<1	1,452	6,120	7,844
Promoters of performing arts and sports and agents for public figures	<1	1,810	6,512	11,814
Museums, historical sites, zoos, and parks	<1	999	1,283	2,138
Amusement parks and arcades	<1	364	917	1,051
Gambling industries (except casino hotels)	<1	2,113	6,183	8,550
Other amusement and recreation industries	<1	2,928	3,819	5,400
Fitness and recreational sports centers	<1	2,160	3,236	4,789
Bowling centers	<1	371	600	966
Hotels and motels, including casino hotels	<1	2,955	6,095	9,244
Other accommodations	<1	734	910	1,217

## Appendix

Full-service restaurants	<1	27,403	38,710	74,546
Limited-service restaurants	<1	17,202	26,325	60,366
All other food and drinking places	<1	16,900	23,103	36,834
Automotive repair and maintenance, except car washes	<1	21,127	21,828	31,325
Car washes	<1	8,394	12,101	17,565
Electronic and precision equipment repair and maintenance	<1	66,152	86,270	117,359
Commercial and industrial machinery and equipment repair and maintenance	<1	9,662	11,111	15,653
Personal and household goods repair and maintenance	<1	2,403	4,174	5,891
Personal care services	<1	8,634	4,450	5,554
Death care services	<1	1,529	926	1,282
Dry-cleaning and laundry services	<1	3,591	1,961	2,524
Other personal services	<1	4,208	5,050	7,043
Religious organizations	<1	31,311	12,418	44,522
Grantmaking, giving, and social advocacy organizations	<1	7,945	19,732	28,616
Business and professional associations	<1	4,459	6,358	10,484
Labor and civic organizations	<1	4,735	11,458	21,305
Private households	<1	1,596	1,596	1,596
Postal service	<1	19,470	19,587	19,594
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	203	-2,929	89
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	13	15	36
Local government passenger transit	<1	3,667	249	1,406
Local government electric utilities	<1	497	1,262	2,864
Other local government enterprises	<1	10,490	14,441	48,646
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	591,891	932,844	1,707,083

## Investments in Climate Change Research and Technology

**Table 696: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>64</i>	<i>5,007,593</i>	<i>7,706,475</i>	<i>14,378,144</i>
Oilseed farming	<1	9,228	30,859	57,839
Grain farming	<1	9,043	19,696	76,585
Vegetable and melon farming	<1	994	1,799	4,505
Fruit farming	<1	133	229	448
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	678	1,206	3,227
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	729	1,249	3,327
All other crop farming	<1	186	306	826
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	2,095	4,726	16,117
Dairy cattle and milk production	<1	1,029	2,088	13,780
Poultry and egg production	<1	831	1,641	23,618
Animal production, except cattle and poultry and eggs	<1	6,643	19,564	27,909
Forestry, forest products, and timber tract production	<1	160	184	266

## Appendix

Commercial logging	<1	376	428	844
Commercial fishing	<1	20	116	117
Commercial hunting and trapping	<1	58	247	365
Support activities for agriculture and forestry	<1	2,524	2,608	2,911
Oil and gas extraction	<1	1,178	590	14,271
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	938	3,553	4,433
Iron ore mining	<1	356	801	1,446
Gold ore mining	<1	207	572	906
Silver ore mining	<1	45	91	145
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	195	837	1,313
Sand and gravel mining	<1	477	981	1,616
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	10	18	35
Phosphate rock mining	<1	4	10	20
Other chemical and fertilizer mineral mining	<1	3	5	10
Other nonmetallic minerals	<1	21	48	95
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	1	<1	4
Metal mining services	<1	39	3	451
Other nonmetallic minerals services	<1	1	1	16
Electric power generation - Hydroelectric	<1	826	2,006	4,737
Electric power generation - Fossil fuel	<1	4,351	15,844	42,834
Electric power generation - Nuclear	<1	5,200	10,746	25,204
Electric power generation - Solar	<1	191	393	731
Electric power generation - Wind	<1	1,151	8,714	17,019
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	169	459	1,407
Electric power generation - All other	<1	541	-455	148
Electric power transmission and distribution	<1	16,990	54,725	137,161

## Appendix

Natural gas distribution	<1	4,240	13,387	32,381
Water, sewage and other systems	<1	415	884	1,624
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	15,302	24,362	54,408
Maintenance and repair construction of residential structures	<1	5,874	8,774	19,314
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	8	18
Dog and cat food manufacturing	<1	668	1,367	6,589
Other animal food manufacturing	<1	1,616	2,424	18,974
Flour milling	<1	829	1,442	8,219
Rice milling	<1	15	24	156
Malt manufacturing	<1	266	381	2,322
Wet corn milling	<1	3,629	5,846	40,515
Soybean and other oilseed processing	<1	456	1,957	18,940
Fats and oils refining and blending	<1	59	122	1,514
Breakfast cereal manufacturing	<1	2,452	4,642	14,106
Beet sugar manufacturing	<1	419	685	2,711
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	675	851	3,337

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	100	129	492
Confectionery manufacturing from purchased chocolate	<1	104	132	758
Frozen fruits, juices and vegetables manufacturing	<1	733	1,211	4,849
Frozen specialties manufacturing	<1	1,147	1,422	5,745
Canned fruits and vegetables manufacturing	<1	921	1,428	5,424
Canned specialties	<1	2	4	22
Dehydrated food products manufacturing	<1	34	53	197
Cheese manufacturing	<1	1,246	1,575	12,900
Dry, condensed, and evaporated dairy product manufacturing	<1	529	998	6,687
Fluid milk manufacturing	<1	1,131	1,515	8,242
Creamery butter manufacturing	<1	127	331	2,221
Ice cream and frozen dessert manufacturing	<1	458	568	1,888
Frozen cakes and other pastries manufacturing	<1	1,054	1,545	3,048
Poultry processing	<1	7,501	8,545	35,858
Animal, except poultry, slaughtering	<1	3,291	3,775	29,038
Meat processed from carcasses	<1	3,125	2,958	19,089
Rendering and meat byproduct processing	<1	142	139	684
Seafood product preparation and packaging	<1	659	792	4,458
Bread and bakery product, except frozen, manufacturing	<1	4,320	5,756	13,901
Cookie and cracker manufacturing	<1	273	339	1,480
Dry pasta, mixes, and dough manufacturing	<1	315	564	2,989
Tortilla manufacturing	<1	511	626	1,857
Roasted nuts and peanut butter manufacturing	<1	540	1,045	3,171
Other snack food manufacturing	<1	1,089	2,198	7,988
Coffee and tea manufacturing	<1	236	354	1,893
Flavoring syrup and concentrate manufacturing	<1	16	75	169
Mayonnaise, dressing, and sauce manufacturing	<1	21	34	153
Spice and extract manufacturing	<1	189	259	1,190
All other food manufacturing	<1	1,720	2,160	8,317
Bottled and canned soft drinks & water	<1	1,316	2,015	9,067
Manufactured ice	<1	59	36	194

## Appendix

Breweries	<1	1,970	3,464	12,257
Wineries	<1	372	580	2,895
Distilleries	<1	680	2,080	5,663
Tobacco product manufacturing	<1	62	1,387	3,082
Fiber, yarn, and thread mills	<1	20	22	170
Broadwoven fabric mills	<1	25	27	164
Narrow fabric mills and schiffli machine embroidery	<1	7	8	28
Nonwoven fabric mills	<1	77	79	568
Knit fabric mills	<1	6	6	29
Textile and fabric finishing mills	<1	8	8	72
Fabric coating mills	<1	9	9	50
Carpet and rug mills	<1	83	91	510
Curtain and linen mills	<1	105	105	481
Textile bag and canvas mills	<1	85	83	369
Rope, cordage, twine, tire cord and tire fabric mills	<1	35	32	120
Other textile product mills	<1	492	487	1,516
Hosiery and sock mills	<1	8	11	29
Other apparel knitting mills	<1	13	19	52
Cut and sew apparel contractors	<1	49	56	133
Men's and boys' cut and sew apparel manufacturing	<1	38	38	150
Women's and girls' cut and sew apparel manufacturing	<1	44	33	303
Other cut and sew apparel manufacturing	<1	25	25	116
Apparel accessories and other apparel manufacturing	<1	53	47	211
Leather and hide tanning and finishing	<1	87	58	330
Footwear manufacturing	<1	111	104	285
Other leather and allied product manufacturing	<1	54	49	125
Sawmills	<1	135	239	1,108
Wood preservation	<1	119	322	887
Veneer and plywood manufacturing	<1	158	248	808
Engineered wood member and truss manufacturing	<1	258	418	1,356
Reconstituted wood product manufacturing	<1	183	529	1,762
Wood windows and door manufacturing	<1	2,549	3,392	8,407
Cut stock, resawing lumber, and planing	<1	42	83	259

## Appendix

Other millwork, including flooring	<1	260	419	1,277
Wood container and pallet manufacturing	<1	681	934	2,574
Manufactured home (mobile home) manufacturing	<1	1	1	4
Prefabricated wood building manufacturing	<1	100	172	480
All other miscellaneous wood product manufacturing	<1	268	387	1,223
Pulp mills	<1	12	15	61
Paper mills	<1	3,027	6,385	20,714
Paperboard mills	<1	1,076	2,015	7,923
Paperboard container manufacturing	<1	2,875	4,161	18,194
Paper bag and coated and treated paper manufacturing	<1	2,340	3,444	11,487
Stationery product manufacturing	<1	471	575	1,977
Sanitary paper product manufacturing	<1	259	629	2,067
All other converted paper product manufacturing	<1	93	146	468
Printing	<1	31,823	45,423	89,258
Support activities for printing	<1	2,713	3,937	5,262
Petroleum refineries	<1	4,319	31,862	188,455
Asphalt paving mixture and block manufacturing	<1	16	21	109
Asphalt shingle and coating materials manufacturing	<1	229	710	1,845
Petroleum lubricating oil and grease manufacturing	<1	11	29	100
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	159	1,193	6,810
Industrial gas manufacturing	<1	338	709	2,784
Synthetic dye and pigment manufacturing	<1	15	21	85
Other basic inorganic chemical manufacturing	<1	7	11	44
Other basic organic chemical manufacturing	<1	1,290	2,306	16,712
Plastics material and resin manufacturing	<1	1,321	1,821	10,999
Synthetic rubber manufacturing	<1	80	99	403
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	27	70	411

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	19	29	114
Pesticide and other agricultural chemical manufacturing	<1	22	54	351
Medicinal and botanical manufacturing	<1	108	137	446
Pharmaceutical preparation manufacturing	<1	984	1,828	5,315
In-vitro diagnostic substance manufacturing	<1	734	901	2,051
Biological product (except diagnostic) manufacturing	<1	117	253	646
Paint and coating manufacturing	<1	238	362	1,785
Adhesive manufacturing	<1	757	972	2,912
Soap and other detergent manufacturing	<1	193	387	2,199
Polish and other sanitation good manufacturing	<1	483	633	2,063
Surface active agent manufacturing	<1	9	26	132
Toilet preparation manufacturing	<1	1,059	2,095	5,779
Printing ink manufacturing	<1	767	815	2,997
Explosives manufacturing	<1	11	12	38
Custom compounding of purchased resins	<1	767	992	3,535
Photographic film and chemical manufacturing	<1	843	1,444	4,716
Other miscellaneous chemical product manufacturing	<1	1,450	1,872	7,168
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,169	1,523	7,003
Unlaminated plastics profile shape manufacturing	<1	587	932	3,612
Plastics pipe and pipe fitting manufacturing	<1	2,489	4,598	19,471
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	58	76	278
Polystyrene foam product manufacturing	<1	232	317	1,520
Urethane and other foam product (except polystyrene) manufacturing	<1	357	475	2,482
Plastics bottle manufacturing	<1	43	55	334
Other plastics product manufacturing	<1	8,792	10,750	37,474
Tire manufacturing	<1	164	188	782

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	18	24	97
Other rubber product manufacturing	<1	2,257	2,544	7,947
Pottery, ceramics, and plumbing fixture manufacturing	<1	73	96	269
Brick, tile, and other structural clay product manufacturing	<1	103	140	359
Flat glass manufacturing	<1	56	83	227
Other pressed and blown glass and glassware manufacturing	<1	4	5	31
Glass container manufacturing	<1	330	431	1,176
Glass product manufacturing made of purchased glass	<1	1,890	2,626	6,743
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	958	1,255	4,362
Concrete block and brick manufacturing	<1	231	321	970
Concrete pipe manufacturing	<1	118	156	466
Other concrete product manufacturing	<1	577	713	1,820
Lime manufacturing	<1	22	34	112
Gypsum product manufacturing	<1	230	434	1,456
Abrasive product manufacturing	<1	48	75	143
Cut stone and stone product manufacturing	<1	381	436	980
Ground or treated mineral and earth manufacturing	<1	136	224	535
Mineral wool manufacturing	<1	20	36	111
Miscellaneous nonmetallic mineral products manufacturing	<1	172	281	717
Iron and steel mills and ferroalloy manufacturing	<1	316	767	4,486
Iron, steel pipe and tube manufacturing from purchased steel	<1	182	391	2,276
Rolled steel shape manufacturing	<1	101	342	1,750
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	41	67	392
Secondary smelting and alloying of aluminum	<1	24	47	480
Aluminum sheet, plate, and foil manufacturing	<1	112	223	998
Other aluminum rolling, drawing and extruding	<1	65	94	489
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	<1	61	124	1,102
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	-2	-4	-21
Ferrous metal foundries	<1	297	489	1,302
Nonferrous metal foundries	<1	575	757	1,854
Custom roll forming	<1	38	52	286
Crown and closure manufacturing and metal stamping	<1	1,325	1,647	5,154
Iron and steel forging	<1	235	302	1,093
Nonferrous forging	<1	8	9	37
Cutlery, utensil, pot, and pan manufacturing	<1	33	63	199
Handtool manufacturing	<1	543	794	2,102
Prefabricated metal buildings and components manufacturing	<1	81	114	376
Fabricated structural metal manufacturing	<1	476	656	2,324
Plate work manufacturing	<1	488	546	1,844
Metal window and door manufacturing	<1	440	573	1,615
Sheet metal work manufacturing	<1	1,581	2,031	5,925
Ornamental and architectural metal work manufacturing	<1	708	828	2,127
Power boiler and heat exchanger manufacturing	<1	30	38	109
Metal tank (heavy gauge) manufacturing	<1	102	121	371
Metal cans manufacturing	<1	323	545	3,341
Metal barrels, drums and pails manufacturing	<1	69	86	392
Hardware manufacturing	<1	217	302	1,271
Spring and wire product manufacturing	<1	597	746	2,408
Machine shops	<1	5,909	6,766	14,407
Turned product and screw, nut, and bolt manufacturing	<1	882	1,079	3,076
Metal heat treating	<1	347	433	1,220
Metal coating and nonprecious engraving	<1	671	1,052	3,480
Electroplating, anodizing, and coloring metal	<1	960	1,033	2,320
Valve and fittings, other than plumbing, manufacturing	<1	464	631	1,751
Plumbing fixture fitting and trim manufacturing	<1	41	83	281

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	466	919	2,311
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	2,112	3,825	8,160
Fabricated pipe and pipe fitting manufacturing	<1	292	349	959
Other fabricated metal manufacturing	<1	901	1,135	3,597
Farm machinery and equipment manufacturing	<1	158	308	1,265
Lawn and garden equipment manufacturing	<1	61	109	538
Construction machinery manufacturing	<1	57	134	398
Mining machinery and equipment manufacturing	<1	4	7	19
Oil and gas field machinery and equipment manufacturing	<1	4	5	22
Semiconductor machinery manufacturing	<1	28	34	99
Food product machinery manufacturing	<1	9	11	28
Sawmill, woodworking, and paper machinery	<1	3	4	15
Printing machinery and equipment manufacturing	<1	29	32	88
All other industrial machinery manufacturing	<1	58	76	178
Optical instrument and lens manufacturing	<1	50	75	179
Photographic and photocopying equipment manufacturing	<1	9	11	33
Other commercial service industry machinery manufacturing	<1	97	163	458
Air purification and ventilation equipment manufacturing	<1	35	47	125
Heating equipment (except warm air furnaces) manufacturing	<1	351	564	1,853
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	794	1,437	3,958
Industrial mold manufacturing	<1	127	156	330
Special tool, die, jig, and fixture manufacturing	<1	51	69	130

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	76	90	199
Machine tool manufacturing	<1	15	19	56
Rolling mill and other metalworking machinery manufacturing	<1	13	18	46
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	<1	20	29	83
Mechanical power transmission equipment manufacturing	<1	78	118	276
Other engine equipment manufacturing	<1	5	11	57
Pump and pumping equipment manufacturing	<1	40	70	237
Air and gas compressor manufacturing	<1	7	10	32
Elevator and moving stairway manufacturing	<1	2	2	9
Conveyor and conveying equipment manufacturing	<1	24	28	74
Overhead cranes, hoists, and monorail systems manufacturing	<1	16	30	112
Industrial truck, trailer, and stacker manufacturing	<1	34	60	220
Power-driven handtool manufacturing	<1	8	25	64
Welding and soldering equipment manufacturing	<1	2	3	10
Packaging machinery manufacturing	<1	85	128	337
Industrial process furnace and oven manufacturing	<1	3	4	9
Fluid power cylinder and actuator manufacturing	<1	106	157	383
Fluid power pump and motor manufacturing	<1	85	139	362
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	48	61	166
Electronic computer manufacturing	<1	168	213	833
Computer storage device manufacturing	<1	241	321	1,334
Computer terminals and other computer peripheral equipment manufacturing	<1	476	599	1,881
Telephone apparatus manufacturing	<1	24	33	111

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	8	10	31
Other communications equipment manufacturing	<1	40	54	178
Audio and video equipment manufacturing	<1	19	28	203
Printed circuit assembly (electronic assembly) manufacturing	<1	362	479	2,505
Bare printed circuit board manufacturing	0	-3,236	-2,979	-6,644
Semiconductor and related device manufacturing	0	-1,257	-1,721	-7,354
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	32	37	143
Electronic connector manufacturing	<1	532	633	2,233
Other electronic component manufacturing	<1	240	271	879
Electromedical and electrotherapeutic apparatus manufacturing	<1	296	397	1,097
Search, detection, and navigation instruments manufacturing	<1	4,258	6,061	19,651
Automatic environmental control manufacturing	<1	3,122	4,015	9,105
Industrial process variable instruments manufacturing	<1	2,434	3,034	8,241
Totalizing fluid meter and counting device manufacturing	<1	18	29	89
Electricity and signal testing instruments manufacturing	<1	41	47	169
Analytical laboratory instrument manufacturing	<1	8,391	11,932	27,484
Irradiation apparatus manufacturing	<1	0	0	<1
Watch, clock, and other measuring and controlling device manufacturing	0	-2,173	-2,691	-8,492
Blank magnetic and optical recording media manufacturing	<1	92	250	1,545
Software and other prerecorded and record reproducing	<1	185	240	793
Electric lamp bulb and part manufacturing	<1	4	7	18
Lighting fixture manufacturing	<1	56	72	260
Small electrical appliance manufacturing	<1	8	17	50

## Appendix

Household cooking appliance manufacturing	<1	<1	2	7
Household refrigerator and home freezer manufacturing	<1	<1	3	7
Household laundry equipment manufacturing	<1	3	5	18
Other major household appliance manufacturing	<1	<1	<1	3
Power, distribution, and specialty transformer manufacturing	<1	4	5	19
Motor and generator manufacturing	<1	341	623	1,834
Switchgear and switchboard apparatus manufacturing	<1	46	82	239
Relay and industrial control manufacturing	<1	376	496	1,372
Storage battery manufacturing	<1	14	23	100
Primary battery manufacturing	<1	3	-13	11
Fiber optic cable manufacturing	<1	143	209	605
Other communication and energy wire manufacturing	<1	76	131	388
Wiring device manufacturing	<1	461	897	2,315
Carbon and graphite product manufacturing	<1	90	137	433
All other miscellaneous electrical equipment and component manufacturing	<1	6,614	7,527	20,746
Automobile manufacturing	<1	19	131	365
Light truck and utility vehicle manufacturing	<1	4	24	91
Heavy duty truck manufacturing	<1	140	392	1,621
Motor vehicle body manufacturing	<1	39	63	215
Truck trailer manufacturing	<1	7	11	38
Motor home manufacturing	<1	2,361	5,356	16,752
Travel trailer and camper manufacturing	<1	289	400	1,536
Motor vehicle gasoline engine and engine parts manufacturing	<1	212	442	1,789
Motor vehicle electrical and electronic equipment manufacturing	<1	1,051	1,657	6,120
Motor vehicle transmission and power train parts manufacturing	<1	498	950	3,950
Motor vehicle seating and interior trim manufacturing	<1	5	7	43
Motor vehicle metal stamping	<1	86	128	460
Other motor vehicle parts manufacturing	<1	589	1,032	3,622

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	574	1,062	3,699
Aircraft manufacturing	<1	4	10	23
Aircraft engine and engine parts manufacturing	<1	8	30	54
Other aircraft parts and auxiliary equipment manufacturing	<1	12	22	42
Guided missile and space vehicle manufacturing	<1	3	6	12
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	<1	<1	1
Boat building	<1	1,191	2,442	6,254
Motorcycle, bicycle, and parts manufacturing	<1	64	510	831
Military armored vehicle, tank, and tank component manufacturing	<1	28	112	199
All other transportation equipment manufacturing	<1	2,635	9,175	22,911
Wood kitchen cabinet and countertop manufacturing	<1	1,402	1,595	4,191
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	41	44	157
Other household nonupholstered furniture manufacturing	<1	167	221	970
Institutional furniture manufacturing	<1	17	18	51
Wood office furniture manufacturing	<1	6	6	23
Custom architectural woodwork and millwork	<1	17	16	44
Office furniture, except wood, manufacturing	<1	81	104	287
Showcase, partition, shelving, and locker manufacturing	<1	76	89	298
Mattress manufacturing	<1	673	892	2,395
Blind and shade manufacturing	<1	7	7	24
Surgical and medical instrument manufacturing	<1	1,423	2,461	4,601
Surgical appliance and supplies manufacturing	<1	510	1,139	2,333

Appendix

Dental equipment and supplies manufacturing	<1	4	8	20
Ophthalmic goods manufacturing	<1	463	1,041	1,834
Dental laboratories	<1	143	170	319
Jewelry and silverware manufacturing	<1	384	652	1,643
Sporting and athletic goods manufacturing	<1	762	1,227	3,346
Doll, toy, and game manufacturing	<1	27	62	192
Office supplies (except paper) manufacturing	<1	99	169	569
Sign manufacturing	<1	846	815	1,901
Gasket, packing, and sealing device manufacturing	<1	204	238	540
Musical instrument manufacturing	<1	17	19	55
Fasteners, buttons, needles, and pins manufacturing	<1	2	3	8
Broom, brush, and mop manufacturing	<1	20	33	110
Burial casket manufacturing	<1	53	85	181
All other miscellaneous manufacturing	<1	1,140	1,731	4,320
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,155	8,306	18,042
Wholesale - Professional and commercial equipment and supplies	<1	21,086	31,055	52,674
Wholesale - Household appliances and electrical and electronic goods	<1	7,903	17,335	39,019
Wholesale - Machinery, equipment, and supplies	<1	9,890	17,026	30,454
Wholesale - Other durable goods merchant wholesalers	<1	16,778	27,931	54,188
Wholesale - Drugs and druggists'sundries	<1	9,837	21,804	45,197
Wholesale - Grocery and related product wholesalers	<1	16,035	22,866	41,154
Wholesale - Petroleum and petroleum products	<1	2,046	22,284	28,689
Wholesale - Other nondurable goods merchant wholesalers	<1	26,223	49,434	94,290
Wholesale - Wholesale electronic markets and agents and brokers	<1	10,138	11,343	13,220
Retail - Motor vehicle and parts dealers	<1	12,949	18,264	26,029
Retail - Furniture and home furnishings stores	<1	6,542	8,970	15,007

## Appendix

Retail - Electronics and appliance stores	<1	5,882	5,574	9,564
Retail - Building material and garden equipment and supplies stores	<1	7,847	15,523	22,188
Retail - Food and beverage stores	<1	18,301	27,180	46,819
Retail - Health and personal care stores	<1	12,606	16,290	24,115
Retail - Gasoline stores	<1	6,107	14,924	29,977
Retail - Clothing and clothing accessories stores	<1	7,897	13,668	28,917
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,962	7,941	13,251
Retail - General merchandise stores	<1	19,528	30,088	50,770
Retail - Miscellaneous store retailers	<1	13,777	13,938	22,117
Retail - Nonstore retailers	<1	10,362	57,630	99,236
Air transportation	<1	15,982	31,998	63,540
Rail transportation	<1	3,596	12,827	20,461
Water transportation	<1	1,000	2,448	8,113
Truck transportation	<1	31,806	46,115	94,566
Transit and ground passenger transportation	<1	12,017	13,481	20,044
Pipeline transportation	<1	5,332	8,011	12,813
Scenic and sightseeing transportation and support activities for transportation	<1	16,219	13,842	21,626
Couriers and messengers	<1	10,920	21,521	27,463
Warehousing and storage	<1	12,812	13,621	24,314
Newspaper publishers	<1	3,376	4,666	7,437
Periodical publishers	<1	1,205	1,459	2,892
Book publishers	<1	9,022	18,436	38,449
Directory, mailing list, and other publishers	<1	1,166	2,168	3,913
Greeting card publishing	<1	27	69	201
Software publishers	<1	137,225	206,602	300,652
Motion picture and video industries	<1	2,783	3,654	13,113
Sound recording industries	<1	883	3,666	9,121
Radio and television broadcasting	<1	32,023	36,915	63,148
Cable and other subscription programming	<1	4,865	12,885	27,353
Wired telecommunications carriers	<1	8,972	23,200	41,060



Appendix

Wireless telecommunications carriers (except satellite)	<1	1,978	17,963	37,126
Satellite, telecommunications resellers, and all other telecommunications	<1	4,477	6,342	13,185
Data processing, hosting, and related services	<1	23,676	40,565	108,172
News syndicates, libraries, archives and all other information services	<1	1,143	1,575	3,993
Internet publishing and broadcasting and web search portals	<1	30,852	66,115	295,133
Nondepository credit intermediation and related activities	<1	17,783	18,664	28,133
Securities and commodity contracts intermediation and brokerage	<1	50,885	49,534	87,029
Monetary authorities and depository credit intermediation	<1	117,536	228,778	369,394
Other financial investment activities	<1	27,069	40,868	82,312
Direct life insurance carriers	<1	19,642	35,462	49,670
Insurance carriers, except direct life	<1	44,392	117,644	223,605
Insurance agencies, brokerages, and related activities	<1	27,852	41,716	92,399
Funds, trusts, and other financial vehicles	<1	8,252	12,478	37,065
Other real estate	3	67,891	241,351	574,567
Tenant-occupied housing	<1	5,302	66,695	72,613
Owner-occupied dwellings	0	0	324,989	394,470
Automotive equipment rental and leasing	<1	3,011	10,847	13,993
General and consumer goods rental except video tapes and discs	<1	4,923	9,220	13,187
Video tape and disc rental	<1	1,212	1,965	3,070
Commercial and industrial machinery and equipment rental and leasing	<1	4,026	10,424	13,704
Lessors of nonfinancial intangible assets	<1	-4,003	27,334	29,423
Legal services	<1	95,425	162,189	216,433
Accounting, tax preparation, bookkeeping, and payroll services	<1	32,076	37,746	58,893
Architectural, engineering, and related services	<1	35,911	38,381	68,140
Specialized design services	<1	2,533	3,760	7,021

## Appendix

Custom computer programming services	<1	27,537	28,945	39,916
Computer systems design services	<1	18,690	18,148	22,998
Other computer related services, including facilities management	<1	14,636	20,157	34,890
Management consulting services	1	160,003	163,522	246,351
Environmental and other technical consulting services	<1	12,515	13,472	21,578
Scientific research and development services	14	1,502,358	1,942,607	3,650,568
Advertising, public relations, and related services	<1	42,223	59,120	126,308
Photographic services	<1	1,038	2,114	4,982
Veterinary services	<1	2,910	3,157	4,971
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	40,272	59,157	130,743
Management of companies and enterprises	1	189,982	209,621	319,604
Office administrative services	<1	22,661	5,490	18,651
Facilities support services	<1	1,115	1,437	4,157
Employment services	2	120,980	156,319	263,130
Business support services	<1	12,243	10,226	17,107
Travel arrangement and reservation services	<1	3,411	5,057	15,738
Investigation and security services	<1	7,758	7,992	11,632
Services to buildings	<1	15,392	20,737	43,479
Landscape and horticultural services	<1	11,076	13,335	24,679
Other support services	<1	7,765	9,611	19,932
Waste management and remediation services	<1	7,898	14,034	26,392
Elementary and secondary schools	<1	15,582	12,800	15,643
Junior colleges, colleges, universities, and professional schools	9	354,394	448,022	650,470
Other educational services	<1	9,626	10,593	20,973
Offices of physicians	<1	87,574	87,560	120,946
Offices of dentists	<1	16,927	21,392	27,880
Offices of other health practitioners	<1	14,459	24,455	30,598
Outpatient care centers	<1	15,848	15,628	22,953
Medical and diagnostic laboratories	<1	3,680	6,808	9,001
Home health care services	<1	13,780	13,677	18,851

## Appendix

Other ambulatory health care services	<1	8,034	9,964	14,113
Hospitals	1	133,575	154,914	280,601
Nursing and community care facilities	<1	23,190	26,079	42,545
Residential mental retardation, mental health, substance abuse and other facilities	<1	11,976	12,720	18,909
Individual and family services	1	38,611	33,699	47,424
Child day care services	<1	9,137	13,411	17,677
Community food, housing, and other relief services, including rehabilitation services	<1	8,154	7,582	16,524
Performing arts companies	<1	2,570	5,850	10,043
Commercial Sports Except Racing	<1	9,452	9,394	13,675
Racing and Track Operation	<1	480	1,487	2,225
Independent artists, writers, and performers	<1	1,394	6,002	7,990
Promoters of performing arts and sports and agents for public figures	<1	2,046	7,615	15,086
Museums, historical sites, zoos, and parks	<1	1,245	1,582	2,763
Amusement parks and arcades	<1	506	1,268	1,485
Gambling industries (except casino hotels)	<1	2,792	7,983	11,337
Other amusement and recreation industries	<1	3,969	5,146	7,489
Fitness and recreational sports centers	<1	2,706	3,911	6,103
Bowling centers	<1	543	854	1,427
Hotels and motels, including casino hotels	<1	3,333	7,221	11,067
Other accommodations	<1	860	1,079	1,476
Full-service restaurants	1	38,261	54,618	107,979
Limited-service restaurants	<1	25,787	39,851	95,184
All other food and drinking places	<1	25,391	35,281	57,854
Automotive repair and maintenance, except car washes	<1	28,006	30,585	44,219
Car washes	<1	12,218	17,802	26,109
Electronic and precision equipment repair and maintenance	<1	18,152	24,930	35,910
Commercial and industrial machinery and equipment repair and maintenance	<1	11,633	13,717	20,024
Personal and household goods repair and maintenance	<1	3,219	6,251	8,753

## Appendix

Personal care services	<1	12,332	7,528	9,224
Death care services	<1	2,090	1,455	1,991
Dry-cleaning and laundry services	<1	5,613	3,579	4,539
Other personal services	<1	6,666	8,354	11,758
Religious organizations	<1	36,540	17,692	56,608
Grantmaking, giving, and social advocacy organizations	<1	8,275	24,956	35,391
Business and professional associations	<1	6,016	9,906	16,311
Labor and civic organizations	<1	5,351	15,809	28,263
Private households	<1	2,352	2,352	2,362
Postal service	<1	15,165	15,245	15,355
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	292	-3,972	123
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	24	34	82
Local government passenger transit	<1	4,052	616	2,320
Local government electric utilities	<1	835	2,496	5,567
Other local government enterprises	<1	18,098	34,084	97,990
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	220,435	508,265	930,114

## Mississippi

## NASA

Table 697: Detailed NASA Impacts by Types of Impact, Mississippi

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>4,281</i>	<i>254,271,897</i>	<i>401,864,696</i>	<i>854,438,052</i>
Oilseed farming	6	898,531	1,608,842	3,117,368
Grain farming	5	238,276	204,101	1,306,543
Vegetable and melon farming	2	81,825	108,634	239,474
Fruit farming	<1	16,637	20,822	33,602
Tree nut farming	<1	4,562	6,031	10,505
Greenhouse, nursery, and floriculture production	<1	10,786	15,102	43,264
Tobacco farming	0	0	0	0
Cotton farming	<1	30,609	42,602	116,740
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	7	49,791	63,104	172,833
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	50,813	67,809	223,600
Dairy cattle and milk production	<1	3,692	5,106	30,489
Poultry and egg production	4	75,496	120,339	2,005,110
Animal production, except cattle and poultry and eggs	8	329,488	606,866	905,410
Forestry, forest products, and timber tract production	<1	13,965	15,543	22,098
Commercial logging	2	118,150	125,884	213,638
Commercial fishing	<1	17,328	56,818	57,318
Commercial hunting and trapping	<1	3,487	8,850	10,802
Support activities for agriculture and forestry	4	173,301	176,285	197,432
Oil and gas extraction	2	118,639	518,681	2,817,260
Coal mining	<1	56,437	240,605	386,479
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0

## Appendix

Stone mining and quarrying	<1	2,413	15,553	23,109
Sand and gravel mining	<1	21,082	51,732	94,863
Other clay, ceramic, refractory minerals mining	<1	4,417	12,146	21,854
Potash, soda, and borate mineral mining	<1	1,073	1,956	3,824
Phosphate rock mining	<1	296	760	1,393
Other chemical and fertilizer mineral mining	<1	424	811	1,558
Other nonmetallic minerals	<1	1,198	2,836	5,221
Drilling oil and gas wells	<1	48	78	255
Support activities for oil and gas operations	<1	2,510	3,497	9,740
Metal mining services	<1	922	4,409	29,059
Other nonmetallic minerals services	<1	114	512	3,135
Electric power generation - Hydroelectric	<1	5,574	15,344	30,178
Electric power generation - Fossil fuel	5	709,388	3,147,882	7,766,896
Electric power generation - Nuclear	5	929,069	2,141,962	4,496,673
Electric power generation - Solar	<1	15,994	40,761	77,518
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	19	2,383,309	10,202,493	26,041,398
Natural gas distribution	1	116,044	507,977	1,168,642
Water, sewage and other systems	3	201,253	501,579	1,128,268
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	55	2,908,130	2,934,961	7,285,464

## Appendix

Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	11	518,148	573,450	2,182,385
Maintenance and repair construction of residential structures	6	250,316	311,163	998,667
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	163	187	687
Dog and cat food manufacturing	<1	2,653	7,888	29,565
Other animal food manufacturing	<1	26,502	52,728	460,937
Flour milling	<1	2,248	5,233	30,175
Rice milling	<1	2,915	5,724	34,087
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	3,455	25,919	277,477
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	31	53	819
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	17,199	24,815	114,078
Canned fruits and vegetables manufacturing	<1	1,820	3,858	15,694
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	330	661	2,745
Cheese manufacturing	<1	2,487	3,786	41,841
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	14,928	26,119	168,070
Creamery butter manufacturing	0	0	0	0



## Appendix

Ice cream and frozen dessert manufacturing	<1	39	65	754
Frozen cakes and other pastries manufacturing	<1	11,994	18,465	37,227
Poultry processing	7	371,542	485,318	2,538,995
Animal, except poultry, slaughtering	<1	7,208	9,644	87,014
Meat processed from carcasses	<1	38,033	38,412	372,596
Rendering and meat byproduct processing	<1	5,808	5,925	42,685
Seafood product preparation and packaging	<1	39,525	58,974	381,361
Bread and bakery product, except frozen, manufacturing	1	39,094	60,717	170,779
Cookie and cracker manufacturing	<1	16,089	24,522	91,079
Dry pasta, mixes, and dough manufacturing	<1	4,600	11,830	45,283
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	5,196	10,104	48,745
Other snack food manufacturing	<1	6,692	15,860	74,997
Coffee and tea manufacturing	<1	837	1,687	8,934
Flavoring syrup and concentrate manufacturing	<1	3,321	29,438	55,583
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	6,596	11,662	48,552
All other food manufacturing	<1	6,994	10,573	48,781
Bottled and canned soft drinks & water	<1	37,185	71,780	344,825
Manufactured ice	<1	5,721	4,262	17,828
Breweries	<1	2,242	5,533	18,843
Wineries	<1	2,100	4,092	15,757
Distilleries	<1	724	4,559	10,998
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	233	453	2,942
Broadwoven fabric mills	<1	1,749	4,174	11,139
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	33,784	105,194	237,880
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	536	1,126	4,283
Fabric coating mills	<1	2,215	4,335	20,552
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	2,195	4,378	11,797
Textile bag and canvas mills	<1	254	586	1,592

Appendix

Rope, cordage, twine, tire cord and tire fabric mills	<1	480	1,447	2,868
Other textile product mills	<1	9,701	16,846	46,297
Hosiery and sock mills	<1	337	467	1,162
Other apparel knitting mills	<1	287	435	1,109
Cut and sew apparel contractors	<1	794	937	2,422
Men's and boys' cut and sew apparel manufacturing	<1	2,198	2,762	6,821
Women's and girls' cut and sew apparel manufacturing	<1	2,141	3,561	11,696
Other cut and sew apparel manufacturing	<1	1,022	1,449	4,056
Apparel accessories and other apparel manufacturing	<1	2,693	3,865	9,421
Leather and hide tanning and finishing	<1	329	544	2,527
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	521	604	2,103
Sawmills	1	94,361	236,264	724,848
Wood preservation	<1	4,356	20,178	65,178
Veneer and plywood manufacturing	1	86,646	178,809	504,621
Engineered wood member and truss manufacturing	<1	6,877	15,979	59,119
Reconstituted wood product manufacturing	<1	33,043	162,415	542,760
Wood windows and door manufacturing	<1	2,154	3,760	9,900
Cut stock, resawing lumber, and planing	<1	11,898	34,769	94,443
Other millwork, including flooring	<1	7,578	17,244	47,971
Wood container and pallet manufacturing	<1	43,683	77,331	194,583
Manufactured home (mobile home) manufacturing	<1	122	228	739
Prefabricated wood building manufacturing	<1	7,449	18,509	58,212
All other miscellaneous wood product manufacturing	2	109,521	189,347	494,154
Pulp mills	<1	1,541	2,241	8,477
Paper mills	1	142,296	302,470	1,018,076
Paperboard mills	<1	7,735	15,348	55,671
Paperboard container manufacturing	2	121,605	183,383	848,021
Paper bag and coated and treated paper manufacturing	<1	5,344	8,258	28,389

## Appendix

Stationery product manufacturing	<1	5,117	6,549	30,196
Sanitary paper product manufacturing	<1	15,929	47,660	199,266
All other converted paper product manufacturing	<1	637	1,129	7,087
Printing	4	177,977	179,659	594,863
Support activities for printing	<1	221	218	648
Petroleum refineries	1	355,353	1,990,268	15,068,848
Asphalt paving mixture and block manufacturing	<1	13,142	17,056	85,636
Asphalt shingle and coating materials manufacturing	<1	9,111	23,763	79,685
Petroleum lubricating oil and grease manufacturing	17	2,772,475	5,000,142	19,470,001
All other petroleum and coal products manufacturing	<1	12,062	27,249	84,211
Petrochemical manufacturing	2	435,725	1,579,367	15,399,369
Industrial gas manufacturing	2	232,041	301,331	2,042,625
Synthetic dye and pigment manufacturing	<1	17,588	19,557	92,188
Other basic inorganic chemical manufacturing	<1	10,354	12,257	63,179
Other basic organic chemical manufacturing	<1	5,448	7,435	118,547
Plastics material and resin manufacturing	<1	47,396	56,342	541,465
Synthetic rubber manufacturing	<1	1,257	1,419	7,913
Artificial and synthetic fibers and filaments manufacturing	<1	455	549	5,646
Nitrogenous fertilizer manufacturing	<1	8,212	11,742	82,582
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	23,814	35,895	285,253
Medicinal and botanical manufacturing	<1	33	31	204
Pharmaceutical preparation manufacturing	<1	21,212	26,916	163,419
In-vitro diagnostic substance manufacturing	<1	49	49	253
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	5,783	6,460	45,392
Adhesive manufacturing	<1	1,128	1,155	7,279
Soap and other detergent manufacturing	<1	5,993	7,376	74,242

## Appendix

Polish and other sanitation good manufacturing	<1	2,968	2,979	20,066
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	2,557	3,061	18,017
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	4	401,732	485,297	2,221,463
Photographic film and chemical manufacturing	<1	7,386	8,801	50,118
Other miscellaneous chemical product manufacturing	<1	6,635	6,839	40,685
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	16,005	23,917	106,328
Unlaminated plastics profile shape manufacturing	<1	2,056	3,999	16,142
Plastics pipe and pipe fitting manufacturing	<1	3,674	8,799	39,769
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	596	903	2,777
Polystyrene foam product manufacturing	<1	16,158	26,373	123,441
Urethane and other foam product (except polystyrene) manufacturing	<1	28,775	45,467	255,578
Plastics bottle manufacturing	<1	4,554	6,514	29,058
Other plastics product manufacturing	<1	47,496	66,533	262,524
Tire manufacturing	2	184,587	232,833	945,288
Rubber and plastics hoses and belting manufacturing	<1	286	420	1,325
Other rubber product manufacturing	<1	5,575	6,809	24,472
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,295	2,171	7,445
Brick, tile, and other structural clay product manufacturing	<1	4,220	7,457	19,826
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	3,790	6,564	17,039
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	6,075	11,520	34,022
Cement manufacturing	<1	1,861	4,543	14,847
Ready-mix concrete manufacturing	<1	65,194	111,126	374,825

## Appendix

Concrete block and brick manufacturing	<1	13,968	26,023	76,890
Concrete pipe manufacturing	<1	18,153	31,052	90,485
Other concrete product manufacturing	<1	54,384	82,742	209,824
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	8,731	11,667	29,229
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	8,110	22,944	56,490
Miscellaneous nonmetallic mineral products manufacturing	<1	2,593	6,266	12,977
Iron and steel mills and ferroalloy manufacturing	<1	49,660	160,517	739,073
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,063	6,032	31,316
Rolled steel shape manufacturing	<1	2,930	14,979	76,254
Steel wire drawing	<1	674	1,762	8,074
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	702	1,932	10,656
Other aluminum rolling, drawing and extruding	<1	498	864	6,370
Nonferrous metal (exc aluminum) smelting and refining	<1	523	4,976	16,710
Copper rolling, drawing, extruding and alloying	<1	8,504	22,049	222,040
Nonferrous metal, except copper and aluminum, shaping	<1	1,131	1,564	8,278
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	2,709	5,905	15,832
Nonferrous metal foundries	<1	399	624	1,666
Custom roll forming	<1	607	797	7,463
Crown and closure manufacturing and metal stamping	<1	8,203	9,931	43,444
Iron and steel forging	<1	652	825	4,708
Nonferrous forging	<1	893	1,068	5,733
Cutlery, utensil, pot, and pan manufacturing	<1	641	1,113	4,919
Handtool manufacturing	<1	485	691	2,986

## Appendix

Prefabricated metal buildings and components manufacturing	<1	22,882	31,229	131,544
Fabricated structural metal manufacturing	3	222,856	298,414	1,317,191
Plate work manufacturing	<1	10,547	11,577	44,774
Metal window and door manufacturing	<1	20,005	25,194	82,141
Sheet metal work manufacturing	<1	7,046	8,750	32,530
Ornamental and architectural metal work manufacturing	<1	4,370	4,999	17,112
Power boiler and heat exchanger manufacturing	<1	158	197	636
Metal tank (heavy gauge) manufacturing	<1	12,889	14,845	51,551
Metal cans manufacturing	<1	13,224	21,233	141,656
Metal barrels, drums and pails manufacturing	<1	14,395	17,415	82,831
Hardware manufacturing	<1	6,644	8,907	45,673
Spring and wire product manufacturing	<1	3,195	3,879	15,552
Machine shops	<1	29,250	32,829	81,466
Turned product and screw, nut, and bolt manufacturing	<1	2,202	2,623	9,281
Metal heat treating	<1	3,349	4,052	12,328
Metal coating and nonprecious engraving	<1	16,428	24,392	70,087
Electroplating, anodizing, and coloring metal	<1	3,596	3,810	8,597
Valve and fittings, other than plumbing, manufacturing	<1	696	878	3,386
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	2,090	2,950	10,350
Small arms ammunition manufacturing	1	133,991	252,258	783,297
Ammunition, except for small arms, manufacturing	<1	103	113	297
Small arms, ordnance, and accessories manufacturing	<1	93	162	774
Fabricated pipe and pipe fitting manufacturing	<1	859	1,000	3,156
Other fabricated metal manufacturing	<1	4,114	5,027	21,402
Farm machinery and equipment manufacturing	<1	1,169	2,211	11,855
Lawn and garden equipment manufacturing	<1	1,187	2,119	10,465
Construction machinery manufacturing	<1	1,684	3,998	12,544

Appendix

Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	950	1,216	4,642
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	21	24	74
Sawmill, woodworking, and paper machinery	<1	187	213	722
Printing machinery and equipment manufacturing	<1	3	3	10
All other industrial machinery manufacturing	<1	15	19	54
Optical instrument and lens manufacturing	<1	134	193	645
Photographic and photocopying equipment manufacturing	<1	214	265	1,123
Other commercial service industry machinery manufacturing	<1	2,348	3,836	15,907
Air purification and ventilation equipment manufacturing	<1	160	210	762
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	20,713	35,730	134,160
Industrial mold manufacturing	<1	512	620	1,563
Special tool, die, jig, and fixture manufacturing	<1	627	836	1,976
Cutting tool and machine tool accessory manufacturing	<1	310	365	1,381
Machine tool manufacturing	<1	409	523	1,861
Rolling mill and other metalworking machinery manufacturing	<1	4,370	5,893	16,000
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	610	869	2,335
Mechanical power transmission equipment manufacturing	<1	823	1,182	2,931
Other engine equipment manufacturing	<1	52,974	115,447	589,580
Pump and pumping equipment manufacturing	<1	61	104	449
Air and gas compressor manufacturing	<1	15	20	79

## Appendix

Elevator and moving stairway manufacturing	<1	36	47	182
Conveyor and conveying equipment manufacturing	<1	1,073	1,218	3,710
Overhead cranes, hoists, and monorail systems manufacturing	<1	82	147	621
Industrial truck, trailer, and stacker manufacturing	<1	2,810	4,669	15,645
Power-driven handtool manufacturing	<1	6,538	18,495	63,561
Welding and soldering equipment manufacturing	<1	95	146	688
Packaging machinery manufacturing	<1	167	251	873
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	2,131	3,025	10,384
Fluid power pump and motor manufacturing	<1	3,688	6,070	23,137
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	252	311	1,080
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	4,639	2,585	26,542
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	24	17	228
Other communications equipment manufacturing	<1	380	205	2,172
Audio and video equipment manufacturing	<1	27	6	525
Printed circuit assembly (electronic assembly) manufacturing	<1	4,646	2,535	48,955
Bare printed circuit board manufacturing	<1	915	770	4,342
Semiconductor and related device manufacturing	<1	7,988	1,933	55,906
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	678	498	3,864
Electronic connector manufacturing	<1	8,432	5,392	48,469



Appendix

Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	58	14	172
Search, detection, and navigation instruments manufacturing	<1	176	70	592
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	95	55	236
Totalizing fluid meter and counting device manufacturing	<1	267	59	923
Electricity and signal testing instruments manufacturing	<1	6	5	39
Analytical laboratory instrument manufacturing	<1	78	32	221
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	1,620	2,676	8,281
Lighting fixture manufacturing	<1	10,825	14,266	55,062
Small electrical appliance manufacturing	<1	1,153	2,526	9,907
Household cooking appliance manufacturing	<1	2,325	5,881	22,836
Household refrigerator and home freezer manufacturing	<1	2,342	5,451	19,694
Household laundry equipment manufacturing	<1	6,007	10,290	47,329
Other major household appliance manufacturing	<1	901	2,413	7,766
Power, distribution, and specialty transformer manufacturing	<1	26,163	36,597	115,191
Motor and generator manufacturing	<1	1,927	3,625	16,133
Switchgear and switchboard apparatus manufacturing	<1	34,990	63,493	173,297
Relay and industrial control manufacturing	<1	545	732	2,201
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0

## Appendix

Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	1,237	2,255	10,795
Wiring device manufacturing	<1	2,198	4,580	15,376
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	5,601	6,494	21,736
Automobile manufacturing	<1	64,214	98,623	858,209
Light truck and utility vehicle manufacturing	<1	18,357	28,680	365,415
Heavy duty truck manufacturing	<1	2,718	3,859	28,564
Motor vehicle body manufacturing	<1	2,726	3,048	14,840
Truck trailer manufacturing	<1	88	93	508
Motor home manufacturing	<1	37,571	48,896	242,569
Travel trailer and camper manufacturing	<1	14,807	16,175	127,249
Motor vehicle gasoline engine and engine parts manufacturing	<1	24,352	29,323	187,779
Motor vehicle electrical and electronic equipment manufacturing	<1	43,114	47,783	283,690
Motor vehicle transmission and power train parts manufacturing	<1	15,991	18,428	131,666
Motor vehicle seating and interior trim manufacturing	<1	21,234	22,489	148,126
Motor vehicle metal stamping	<1	15,637	16,962	80,822
Other motor vehicle parts manufacturing	1	96,401	106,422	644,945
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	28,579	32,748	166,085
Aircraft manufacturing	<1	33	60	147
Aircraft engine and engine parts manufacturing	<1	78	210	457
Other aircraft parts and auxiliary equipment manufacturing	<1	128	195	398
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	430	687	1,292
Railroad rolling stock manufacturing	<1	81	96	505
Ship building and repairing	<1	5,484	8,434	17,735
Boat building	<1	12,252	20,493	63,843

## Appendix

Motorcycle, bicycle, and parts manufacturing	<1	113	481	1,173
Military armored vehicle, tank, and tank component manufacturing	<1	383	1,008	3,183
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	5,320	6,877	20,157
Upholstered household furniture manufacturing	2	111,398	124,110	477,241
Nonupholstered wood household furniture manufacturing	<1	2,689	3,115	10,385
Other household nonupholstered furniture manufacturing	<1	306	503	1,861
Institutional furniture manufacturing	<1	291	312	1,272
Wood office furniture manufacturing	<1	124	158	580
Custom architectural woodwork and millwork	<1	546	539	1,666
Office furniture, except wood, manufacturing	<1	615	1,026	4,100
Showcase, partition, shelving, and locker manufacturing	<1	2,479	3,410	14,171
Mattress manufacturing	<1	5,509	9,771	46,758
Blind and shade manufacturing	<1	272	274	953
Surgical and medical instrument manufacturing	<1	3,791	4,714	12,764
Surgical appliance and supplies manufacturing	<1	2,103	3,029	8,872
Dental equipment and supplies manufacturing	<1	51	66	212
Ophthalmic goods manufacturing	<1	1,378	1,896	5,198
Dental laboratories	<1	1,743	1,853	3,582
Jewelry and silverware manufacturing	<1	3,796	6,918	25,556
Sporting and athletic goods manufacturing	<1	6,174	7,623	28,160
Doll, toy, and game manufacturing	<1	1,653	2,165	10,250
Office supplies (except paper) manufacturing	<1	7,320	9,353	48,891
Sign manufacturing	<1	28,105	26,259	70,984
Gasket, packing, and sealing device manufacturing	<1	265	285	741
Musical instrument manufacturing	<1	441	459	1,133

## Appendix

Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	7,067	8,072	33,950
Burial casket manufacturing	<1	1,586	2,056	5,275
All other miscellaneous manufacturing	<1	3,629	4,496	14,543
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	154,040	311,660	776,925
Wholesale - Professional and commercial equipment and supplies	6	569,059	871,133	1,794,047
Wholesale - Household appliances and electrical and electronic goods	6	492,810	1,149,180	3,215,685
Wholesale - Machinery, equipment, and supplies	5	419,908	762,940	1,526,523
Wholesale - Other durable goods merchant wholesalers	9	680,475	1,164,831	2,780,724
Wholesale - Drugs and druggistsâ€™ sundries	2	373,257	834,784	1,965,297
Wholesale - Grocery and related product wholesalers	9	646,751	944,273	2,177,049
Wholesale - Petroleum and petroleum products	1	116,373	1,563,161	1,975,597
Wholesale - Other nondurable goods merchant wholesalers	9	625,311	1,365,433	3,099,400
Wholesale - Wholesale electronic markets and agents and brokers	3	294,928	331,831	411,036
Retail - Motor vehicle and parts dealers	13	820,593	1,256,397	1,843,549
Retail - Furniture and home furnishings stores	8	293,309	448,143	827,048
Retail - Electronics and appliance stores	6	310,493	313,558	564,217
Retail - Building material and garden equipment and supplies stores	14	617,490	1,265,944	1,864,402
Retail - Food and beverage stores	30	943,066	1,389,088	2,441,011
Retail - Health and personal care stores	18	844,054	1,092,277	1,681,935
Retail - Gasoline stores	13	509,772	1,061,926	2,062,649
Retail - Clothing and clothing accessories stores	19	493,218	940,544	2,191,250
Retail - Sporting goods, hobby, musical instrument and book stores	11	262,261	396,691	740,876
Retail - General merchandise stores	35	1,164,674	1,971,798	3,378,141
Retail - Miscellaneous store retailers	31	686,840	778,444	1,475,906

## Appendix

Retail - Nonstore retailers	29	643,973	3,838,906	6,427,874
Air transportation	2	110,908	367,611	766,750
Rail transportation	2	202,005	950,722	1,514,119
Water transportation	<1	65,321	125,180	471,618
Truck transportation	35	2,160,803	3,006,624	7,319,796
Transit and ground passenger transportation	16	310,730	361,685	616,284
Pipeline transportation	1	303,761	616,131	1,282,912
Scenic and sightseeing transportation and support activities for transportation	10	741,868	653,966	1,064,592
Couriers and messengers	24	741,187	1,530,574	1,815,883
Warehousing and storage	27	1,429,236	1,544,222	2,903,237
Newspaper publishers	2	121,857	212,480	332,681
Periodical publishers	<1	33,478	49,372	101,633
Book publishers	<1	28,223	77,077	146,774
Directory, mailing list, and other publishers	<1	7,211	17,408	31,702
Greeting card publishing	0	0	0	0
Software publishers	48	7,652,057	15,503,020	21,134,467
Motion picture and video industries	3	120,072	190,280	736,705
Sound recording industries	<1	35,222	182,153	361,368
Radio and television broadcasting	4	686,410	836,430	2,628,735
Cable and other subscription programming	<1	50,732	154,613	653,998
Wired telecommunications carriers	10	894,846	1,801,429	3,981,937
Wireless telecommunications carriers (except satellite)	3	212,370	1,277,974	4,725,198
Satellite, telecommunications resellers, and all other telecommunications	<1	41,730	54,934	135,205
Data processing, hosting, and related services	9	603,870	1,196,261	5,119,303
News syndicates, libraries, archives and all other information services	<1	21,181	31,288	109,299
Internet publishing and broadcasting and web search portals	3	115,207	284,080	2,991,542
Nondepository credit intermediation and related activities	11	705,604	784,276	1,544,114
Securities and commodity contracts intermediation and brokerage	21	532,301	432,489	1,939,807

## Appendix

Monetary authorities and depository credit intermediation	45	3,633,074	11,949,813	19,615,003
Other financial investment activities	11	243,174	271,792	1,643,972
Direct life insurance carriers	3	245,185	754,007	1,115,690
Insurance carriers, except direct life	7	493,414	2,558,787	5,105,258
Insurance agencies, brokerages, and related activities	19	1,082,342	2,112,416	5,758,657
Funds, trusts, and other financial vehicles	9	288,865	266,621	1,849,747
Other real estate	91	1,769,374	7,038,944	18,370,200
Tenant-occupied housing	13	253,770	2,659,282	2,975,120
Owner-occupied dwellings	0	0	16,262,590	19,626,253
Automotive equipment rental and leasing	4	184,155	1,120,849	1,395,252
General and consumer goods rental except video tapes and discs	4	188,323	477,084	718,281
Video tape and disc rental	1	52,918	94,547	164,579
Commercial and industrial machinery and equipment rental and leasing	3	231,684	1,003,074	1,259,792
Lessors of nonfinancial intangible assets	<1	6,603	476,075	530,053
Legal services	28	1,888,858	2,970,908	4,827,210
Accounting, tax preparation, bookkeeping, and payroll services	34	1,987,640	2,259,899	4,371,631
Architectural, engineering, and related services	15	1,050,704	1,105,267	2,335,379
Specialized design services	1	56,822	78,578	193,064
Custom computer programming services	14	1,024,970	1,085,888	1,713,248
Computer systems design services	17	1,215,012	976,525	1,495,168
Other computer related services, including facilities management	3	243,115	278,792	685,871
Management consulting services	616	37,597,620	38,459,958	77,563,496
Environmental and other technical consulting services	10	709,127	754,217	1,415,718
Scientific research and development services	44	3,098,810	3,823,329	9,165,989
Advertising, public relations, and related services	11	515,215	691,691	2,306,623
Photographic services	1	49,679	93,573	287,980
Veterinary services	2	102,691	109,575	193,983
Marketing research and all other miscellaneous professional, scientific, and technical services	44	3,086,086	4,539,617	12,055,836

## Appendix

Management of companies and enterprises	48	5,628,785	6,377,121	10,932,496
Office administrative services	20	846,370	258,255	1,252,246
Facilities support services	494	20,664,608	26,695,926	80,077,666
Employment services	272	8,475,359	11,317,041	24,588,391
Business support services	36	1,196,329	1,013,520	2,402,265
Travel arrangement and reservation services	2	68,868	104,804	511,890
Investigation and security services	37	967,582	988,804	1,785,072
Services to buildings	33	822,010	1,122,816	3,089,060
Landscape and horticultural services	13	432,201	524,632	1,207,461
Other support services	11	401,959	504,531	1,384,931
Waste management and remediation services	9	598,221	948,240	2,198,308
Elementary and secondary schools	15	490,714	368,419	505,019
Junior colleges, colleges, universities, and professional schools	16	553,655	670,430	1,049,320
Other educational services	125	6,137,202	6,723,622	12,879,504
Offices of physicians	45	4,519,062	4,536,185	6,785,445
Offices of dentists	14	880,598	1,006,274	1,421,039
Offices of other health practitioners	14	852,694	1,175,834	1,515,446
Outpatient care centers	10	623,185	612,232	1,033,020
Medical and diagnostic laboratories	2	159,564	231,675	353,373
Home health care services	18	1,057,124	1,047,115	1,312,823
Other ambulatory health care services	4	281,945	318,830	505,691
Hospitals	52	4,107,385	4,882,772	9,738,058
Nursing and community care facilities	19	984,052	1,033,199	1,702,288
Residential mental retardation, mental health, substance abuse and other facilities	6	273,169	266,717	421,465
Individual and family services	39	1,079,751	925,915	1,410,026
Child day care services	16	461,264	599,656	859,617
Community food, housing, and other relief services, including rehabilitation services	8	207,533	193,684	542,578
Performing arts companies	4	61,191	115,473	325,023
Commercial Sports Except Racing	7	112,353	128,722	322,791
Racing and Track Operation	<1	10,186	14,856	37,395
Independent artists, writers, and performers	8	90,765	280,652	691,316

## Appendix

Promoters of performing arts and sports and agents for public figures	5	52,586	139,995	585,910
Museums, historical sites, zoos, and parks	<1	28,388	36,495	73,256
Amusement parks and arcades	<1	4,842	15,264	19,740
Gambling industries (except casino hotels)	5	171,276	645,299	870,983
Other amusement and recreation industries	7	161,072	218,879	320,250
Fitness and recreational sports centers	6	118,661	185,156	308,150
Bowling centers	<1	19,703	37,426	58,404
Hotels and motels, including casino hotels	5	190,232	408,262	631,845
Other accommodations	<1	20,886	25,523	35,568
Full-service restaurants	87	2,334,725	3,542,461	7,427,312
Limited-service restaurants	77	1,682,312	2,723,493	7,117,856
All other food and drinking places	57	1,688,469	2,785,957	4,543,785
Automotive repair and maintenance, except car washes	31	1,446,499	1,991,142	2,992,605
Car washes	14	778,129	1,224,578	1,865,374
Electronic and precision equipment repair and maintenance	378	19,450,878	30,977,669	53,938,734
Commercial and industrial machinery and equipment repair and maintenance	16	836,425	1,028,741	1,803,776
Personal and household goods repair and maintenance	14	538,464	1,267,638	1,852,121
Personal care services	9	201,055	220,548	261,993
Death care services	4	83,550	95,874	131,006
Dry-cleaning and laundry services	11	243,037	272,082	343,270
Other personal services	9	215,780	299,828	453,681
Religious organizations	17	704,020	731,042	1,742,666
Grantmaking, giving, and social advocacy organizations	4	171,241	822,200	1,159,308
Business and professional associations	4	199,905	448,573	815,586
Labor and civic organizations	3	106,496	477,840	702,273
Private households	10	151,232	151,232	151,232
Postal service	12	1,086,445	1,092,238	1,092,697
Federal electric utilities	<1	136,003	366,608	876,721
Other federal government enterprises	<1	46,015	-5,181	89,033
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	2	329,225	567,657	835,043
Local government passenger transit	2	59,818	16,628	69,417
Local government electric utilities	2	115,971	399,590	1,062,520
Other local government enterprises	10	598,174	1,376,378	3,957,345
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	280	47,716,928	71,828,924	131,271,718

## Moon to Mars Campaign

**Table 698: Detailed M2M Campaign Impacts by Types of Impact, Mississippi**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>691</i>	<i>42,229,991</i>	<i>69,900,492</i>	<i>161,781,707</i>
Oilseed farming	2	238,452	516,079	1,041,325
Grain farming	<1	34,495	40,345	192,564
Vegetable and melon farming	<1	12,142	17,038	36,234
Fruit farming	<1	2,764	3,520	5,541
Tree nut farming	<1	807	1,137	1,982
Greenhouse, nursery, and floriculture production	<1	1,491	2,211	6,116
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	<1	3,861	5,321	14,620
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	6,836	9,182	24,485
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	7,181	11,000	31,930
Dairy cattle and milk production	<1	586	883	4,799
Poultry and egg production	<1	10,156	17,220	268,457
Animal production, except cattle and poultry and eggs	1	46,378	99,963	142,810
Forestry, forest products, and timber tract production	<1	5,411	6,048	8,454
Commercial logging	<1	20,301	23,187	37,371
Commercial fishing	<1	6,734	9,125	9,130
Commercial hunting and trapping	<1	777	1,295	1,555
Support activities for agriculture and forestry	<1	27,146	27,929	31,218
Oil and gas extraction	<1	28,921	154,727	899,791
Coal mining	<1	5,698	25,506	40,957
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	330	2,090	3,106
Sand and gravel mining	<1	2,772	6,815	12,199
Other clay, ceramic, refractory minerals mining	<1	728	2,019	3,605
Potash, soda, and borate mineral mining	<1	220	404	790
Phosphate rock mining	<1	68	175	318
Other chemical and fertilizer mineral mining	<1	236	461	895
Other nonmetallic minerals	<1	261	625	1,149
Drilling oil and gas wells	<1	10	17	55
Support activities for oil and gas operations	<1	512	740	2,092
Metal mining services	<1	146	806	5,347
Other nonmetallic minerals services	<1	12	65	394
Electric power generation - Hydroelectric	<1	715	1,895	3,625

## Appendix

Electric power generation - Fossil fuel	<1	72,953	296,539	732,978
Electric power generation - Nuclear	<1	102,023	237,144	495,749
Electric power generation - Solar	<1	1,605	4,071	7,706
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	2	226,017	908,931	2,348,452
Natural gas distribution	<1	23,089	98,734	223,283
Water, sewage and other systems	<1	51,187	120,770	264,754
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	110,309	125,110	463,313
Maintenance and repair construction of residential structures	<1	38,480	48,928	153,773
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	26	30	109
Dog and cat food manufacturing	<1	354	1,071	3,957
Other animal food manufacturing	<1	3,931	8,111	69,335
Flour milling	<1	291	683	4,009

## Appendix

Rice milling	<1	479	933	5,635
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,865	14,320	148,110
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	5	9	129
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	2,529	3,642	16,849
Canned fruits and vegetables manufacturing	<1	314	680	2,726
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	60	120	496
Cheese manufacturing	<1	427	648	7,373
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	2,423	4,369	27,663
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	6	10	116
Frozen cakes and other pastries manufacturing	<1	1,841	2,838	5,695
Poultry processing	<1	48,275	64,459	337,162
Animal, except poultry, slaughtering	<1	1,035	1,402	12,748
Meat processed from carcasses	<1	5,943	6,045	58,493
Rendering and meat byproduct processing	<1	3,054	3,136	21,934
Seafood product preparation and packaging	<1	5,667	8,749	54,477
Bread and bakery product, except frozen, manufacturing	<1	5,923	9,277	26,017
Cookie and cracker manufacturing	<1	2,793	4,424	15,422
Dry pasta, mixes, and dough manufacturing	<1	688	1,784	7,054
Tortilla manufacturing	0	0	0	0

## Appendix

Roasted nuts and peanut butter manufacturing	<1	839	1,701	7,889
Other snack food manufacturing	<1	1,008	2,410	11,248
Coffee and tea manufacturing	<1	122	253	1,330
Flavoring syrup and concentrate manufacturing	<1	596	5,440	10,015
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	1,216	2,213	9,063
All other food manufacturing	<1	1,115	1,697	7,883
Bottled and canned soft drinks & water	<1	5,206	10,227	49,071
Manufactured ice	<1	866	660	2,616
Breweries	<1	324	832	2,814
Wineries	<1	395	780	2,914
Distilleries	<1	106	707	1,651
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	35	70	438
Broadwoven fabric mills	<1	380	938	2,402
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	10,558	34,949	73,952
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	114	241	894
Fabric coating mills	<1	344	684	3,090
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	365	745	1,932
Textile bag and canvas mills	<1	40	95	248
Rope, cordage, twine, tire cord and tire fabric mills	<1	65	211	392
Other textile product mills	<1	1,342	2,387	6,332
Hosiery and sock mills	<1	53	76	176
Other apparel knitting mills	<1	44	68	164
Cut and sew apparel contractors	<1	178	211	532
Men's and boys' cut and sew apparel manufacturing	<1	429	547	1,283
Women's and girls' cut and sew apparel manufacturing	<1	396	689	2,069
Other cut and sew apparel manufacturing	<1	196	280	749
Apparel accessories and other apparel manufacturing	<1	462	675	1,535
Leather and hide tanning and finishing	<1	63	109	481
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	86	102	342

## Appendix

Sawmills	<1	12,845	32,016	97,168
Wood preservation	<1	496	2,303	7,956
Veneer and plywood manufacturing	<1	18,386	37,563	105,756
Engineered wood member and truss manufacturing	<1	1,899	4,306	16,049
Reconstituted wood product manufacturing	<1	7,166	34,508	115,049
Wood windows and door manufacturing	<1	253	438	1,149
Cut stock, resawing lumber, and planing	<1	2,070	5,909	16,345
Other millwork, including flooring	<1	882	1,976	5,482
Wood container and pallet manufacturing	<1	10,161	17,738	44,794
Manufactured home (mobile home) manufacturing	<1	8	16	50
Prefabricated wood building manufacturing	<1	406	1,019	3,164
All other miscellaneous wood product manufacturing	<1	33,820	55,028	145,247
Pulp mills	<1	213	300	1,179
Paper mills	<1	20,434	39,433	144,642
Paperboard mills	<1	1,112	2,083	7,949
Paperboard container manufacturing	<1	30,639	46,221	219,211
Paper bag and coated and treated paper manufacturing	<1	914	1,372	4,776
Stationery product manufacturing	<1	982	1,238	5,554
Sanitary paper product manufacturing	<1	2,517	7,244	31,583
All other converted paper product manufacturing	<1	104	180	1,169
Printing	<1	25,598	26,403	85,086
Support activities for printing	<1	30	30	88
Petroleum refineries	<1	135,806	868,025	5,897,893
Asphalt paving mixture and block manufacturing	<1	1,479	1,978	9,644
Asphalt shingle and coating materials manufacturing	<1	1,340	3,874	11,950
Petroleum lubricating oil and grease manufacturing	12	2,073,899	4,223,867	14,422,104
All other petroleum and coal products manufacturing	<1	1,689	3,845	11,403
Petrochemical manufacturing	1	256,649	1,177,129	9,289,354
Industrial gas manufacturing	<1	35,688	53,669	341,884

## Appendix

Synthetic dye and pigment manufacturing	<1	9,151	10,794	51,048
Other basic inorganic chemical manufacturing	<1	5,211	6,620	32,414
Other basic organic chemical manufacturing	<1	2,088	3,003	46,690
Plastics material and resin manufacturing	<1	18,352	23,167	215,043
Synthetic rubber manufacturing	<1	546	621	3,455
Artificial and synthetic fibers and filaments manufacturing	<1	121	145	1,510
Nitrogenous fertilizer manufacturing	<1	2,294	3,628	21,753
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	3,368	5,377	42,211
Medicinal and botanical manufacturing	<1	7	7	41
Pharmaceutical preparation manufacturing	<1	3,661	4,945	28,823
In-vitro diagnostic substance manufacturing	<1	12	12	62
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	771	915	6,289
Adhesive manufacturing	<1	685	730	4,443
Soap and other detergent manufacturing	<1	1,049	1,390	12,610
Polish and other sanitation good manufacturing	<1	523	554	3,574
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	428	542	3,091
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	2	209,814	290,750	1,214,247
Photographic film and chemical manufacturing	<1	1,200	1,522	7,918
Other miscellaneous chemical product manufacturing	<1	1,214	1,302	7,618
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,956	4,450	19,481
Unlaminated plastics profile shape manufacturing	<1	375	747	2,886
Plastics pipe and pipe fitting manufacturing	<1	479	1,167	5,224

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	115	177	545
Polystyrene foam product manufacturing	<1	4,177	6,942	31,924
Urethane and other foam product (except polystyrene) manufacturing	<1	4,696	7,551	41,662
Plastics bottle manufacturing	<1	3,288	4,749	20,928
Other plastics product manufacturing	<1	11,327	16,266	62,338
Tire manufacturing	<1	24,043	31,348	124,327
Rubber and plastics hoses and belting manufacturing	<1	36	53	175
Other rubber product manufacturing	<1	1,234	1,515	5,628
Pottery, ceramics, and plumbing fixture manufacturing	<1	129	218	736
Brick, tile, and other structural clay product manufacturing	<1	352	607	1,625
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	1,016	1,767	4,497
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,225	2,263	6,778
Cement manufacturing	<1	237	554	1,862
Ready-mix concrete manufacturing	<1	5,626	9,352	31,892
Concrete block and brick manufacturing	<1	955	1,745	5,239
Concrete pipe manufacturing	<1	490	841	2,473
Other concrete product manufacturing	<1	2,716	4,083	10,521
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,117	1,479	3,712
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	777	2,078	5,129
Miscellaneous nonmetallic mineral products manufacturing	<1	86	202	415
Iron and steel mills and ferroalloy manufacturing	<1	7,146	23,767	107,961
Iron, steel pipe and tube manufacturing from purchased steel	<1	338	995	5,159



## Appendix

Rolled steel shape manufacturing	<1	439	2,352	11,987
Steel wire drawing	<1	115	302	1,391
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	199	563	3,111
Other aluminum rolling, drawing and extruding	<1	150	262	1,934
Nonferrous metal (exc aluminum) smelting and refining	<1	129	1,184	4,029
Copper rolling, drawing, extruding and alloying	<1	1,634	4,339	42,321
Nonferrous metal, except copper and aluminum, shaping	<1	220	303	1,604
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	582	1,337	3,574
Nonferrous metal foundries	<1	72	112	300
Custom roll forming	<1	113	149	1,406
Crown and closure manufacturing and metal stamping	<1	1,621	1,962	8,513
Iron and steel forging	<1	102	130	740
Nonferrous forging	<1	147	175	936
Cutlery, utensil, pot, and pan manufacturing	<1	127	212	931
Handtool manufacturing	<1	83	120	511
Prefabricated metal buildings and components manufacturing	<1	449	570	2,654
Fabricated structural metal manufacturing	1	71,108	94,584	419,986
Plate work manufacturing	<1	2,349	2,584	9,942
Metal window and door manufacturing	<1	2,753	3,465	11,153
Sheet metal work manufacturing	<1	1,139	1,398	5,136
Ornamental and architectural metal work manufacturing	<1	805	909	3,100
Power boiler and heat exchanger manufacturing	<1	65	80	260
Metal tank (heavy gauge) manufacturing	<1	6,495	7,467	25,074
Metal cans manufacturing	<1	12,077	19,592	124,734
Metal barrels, drums and pails manufacturing	<1	10,355	12,668	59,906
Hardware manufacturing	<1	1,053	1,390	7,090
Spring and wire product manufacturing	<1	520	629	2,519

Appendix

Machine shops	<1	7,122	7,970	19,688
Turned product and screw, nut, and bolt manufacturing	<1	465	553	1,955
Metal heat treating	<1	933	1,133	3,458
Metal coating and nonprecious engraving	<1	4,163	6,175	17,652
Electroplating, anodizing, and coloring metal	<1	1,058	1,121	2,532
Valve and fittings, other than plumbing, manufacturing	0	-674	-953	-3,620
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	391	550	1,917
Small arms ammunition manufacturing	<1	28,467	54,493	164,111
Ammunition, except for small arms, manufacturing	<1	32	35	90
Small arms, ordnance, and accessories manufacturing	<1	19	33	155
Fabricated pipe and pipe fitting manufacturing	<1	119	137	439
Other fabricated metal manufacturing	<1	818	993	4,179
Farm machinery and equipment manufacturing	<1	245	491	2,489
Lawn and garden equipment manufacturing	<1	236	437	2,062
Construction machinery manufacturing	<1	252	633	1,851
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	183	238	908
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	3	3	11
Sawmill, woodworking, and paper machinery	<1	36	41	135
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	3	4	10
Optical instrument and lens manufacturing	<1	28	41	136
Photographic and photocopying equipment manufacturing	<1	36	45	185
Other commercial service industry machinery manufacturing	<1	299	500	2,013

## Appendix

Air purification and ventilation equipment manufacturing	<1	26	35	124
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3,047	5,294	19,455
Industrial mold manufacturing	<1	131	160	399
Special tool, die, jig, and fixture manufacturing	<1	136	182	426
Cutting tool and machine tool accessory manufacturing	<1	73	86	324
Machine tool manufacturing	<1	42	54	191
Rolling mill and other metalworking machinery manufacturing	<1	117	160	426
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	132	185	483
Mechanical power transmission equipment manufacturing	<1	153	220	545
Other engine equipment manufacturing	<1	8,312	18,524	91,212
Pump and pumping equipment manufacturing	<1	9	16	68
Air and gas compressor manufacturing	<1	3	4	15
Elevator and moving stairway manufacturing	<1	8	11	43
Conveyor and conveying equipment manufacturing	<1	250	287	867
Overhead cranes, hoists, and monorail systems manufacturing	<1	13	25	102
Industrial truck, trailer, and stacker manufacturing	<1	674	1,143	3,761
Power-driven handtool manufacturing	<1	1,630	4,387	15,150
Welding and soldering equipment manufacturing	<1	19	28	118
Packaging machinery manufacturing	<1	38	58	198
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	296	427	1,457
Fluid power pump and motor manufacturing	<1	565	927	3,504

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	53	65	226
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	1,113	630	6,329
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	3	2	32
Other communications equipment manufacturing	<1	72	39	414
Audio and video equipment manufacturing	<1	4	<1	81
Printed circuit assembly (electronic assembly) manufacturing	<1	817	440	8,610
Bare printed circuit board manufacturing	<1	183	155	898
Semiconductor and related device manufacturing	<1	813	190	6,047
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	120	89	682
Electronic connector manufacturing	<1	1,475	949	8,530
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	11	3	33
Search, detection, and navigation instruments manufacturing	<1	35	14	117
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	14	8	35
Totalizing fluid meter and counting device manufacturing	<1	54	12	189
Electricity and signal testing instruments manufacturing	<1	1	1	8
Analytical laboratory instrument manufacturing	<1	14	6	39
Irradiation apparatus manufacturing	0	0	0	0

Appendix

Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	279	464	1,414
Lighting fixture manufacturing	<1	3,722	4,963	18,228
Small electrical appliance manufacturing	<1	201	442	1,737
Household cooking appliance manufacturing	<1	437	1,155	4,285
Household refrigerator and home freezer manufacturing	<1	402	983	3,397
Household laundry equipment manufacturing	<1	825	1,461	6,492
Other major household appliance manufacturing	<1	142	410	1,250
Power, distribution, and specialty transformer manufacturing	<1	8,867	12,183	38,268
Motor and generator manufacturing	<1	334	630	2,792
Switchgear and switchboard apparatus manufacturing	<1	12,812	23,322	62,525
Relay and industrial control manufacturing	<1	132	174	527
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	315	597	2,723
Wiring device manufacturing	<1	288	614	2,031
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	3	8
Automobile manufacturing	<1	9,380	14,042	119,289
Light truck and utility vehicle manufacturing	<1	2,618	4,015	49,403
Heavy duty truck manufacturing	<1	361	514	3,460
Motor vehicle body manufacturing	<1	391	437	2,193
Truck trailer manufacturing	<1	14	15	80
Motor home manufacturing	<1	3,826	5,085	24,284
Travel trailer and camper manufacturing	<1	1,882	2,041	16,106

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	3,484	4,188	26,806
Motor vehicle electrical and electronic equipment manufacturing	<1	5,619	6,284	35,824
Motor vehicle transmission and power train parts manufacturing	<1	2,788	3,155	21,739
Motor vehicle seating and interior trim manufacturing	<1	2,948	3,167	20,397
Motor vehicle metal stamping	<1	2,004	2,214	10,374
Other motor vehicle parts manufacturing	<1	16,030	17,492	106,383
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,769	4,380	22,254
Aircraft manufacturing	<1	4	7	19
Aircraft engine and engine parts manufacturing	<1	16	42	92
Other aircraft parts and auxiliary equipment manufacturing	<1	19	29	60
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	187	303	565
Railroad rolling stock manufacturing	<1	36	42	219
Ship building and repairing	<1	1,401	2,032	4,438
Boat building	<1	1,562	2,571	8,077
Motorcycle, bicycle, and parts manufacturing	<1	16	64	160
Military armored vehicle, tank, and tank component manufacturing	<1	177	444	1,367
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	700	882	2,587
Upholstered household furniture manufacturing	<1	19,485	21,739	84,254
Nonupholstered wood household furniture manufacturing	<1	546	627	2,052
Other household nonupholstered furniture manufacturing	<1	48	79	282
Institutional furniture manufacturing	<1	52	54	210
Wood office furniture manufacturing	<1	4	5	18

## Appendix

Custom architectural woodwork and millwork	<1	78	77	234
Office furniture, except wood, manufacturing	<1	96	147	618
Showcase, partition, shelving, and locker manufacturing	<1	374	499	2,073
Mattress manufacturing	<1	829	1,461	7,006
Blind and shade manufacturing	<1	36	36	130
Surgical and medical instrument manufacturing	<1	606	754	1,999
Surgical appliance and supplies manufacturing	<1	387	556	1,600
Dental equipment and supplies manufacturing	<1	9	11	36
Ophthalmic goods manufacturing	<1	213	294	806
Dental laboratories	<1	287	307	590
Jewelry and silverware manufacturing	<1	571	1,048	3,848
Sporting and athletic goods manufacturing	<1	904	1,114	4,025
Doll, toy, and game manufacturing	<1	266	362	1,643
Office supplies (except paper) manufacturing	<1	1,357	1,749	8,780
Sign manufacturing	<1	4,248	3,994	10,656
Gasket, packing, and sealing device manufacturing	<1	41	44	115
Musical instrument manufacturing	<1	110	117	283
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	1,761	2,193	8,557
Burial casket manufacturing	<1	170	224	554
All other miscellaneous manufacturing	<1	579	710	2,280
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	26,824	54,764	136,827
Wholesale - Professional and commercial equipment and supplies	1	102,016	157,000	321,510
Wholesale - Household appliances and electrical and electronic goods	1	99,402	232,394	651,090
Wholesale - Machinery, equipment, and supplies	<1	85,043	154,786	309,526
Wholesale - Other durable goods merchant wholesalers	2	140,262	239,417	571,979

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	58,699	131,421	305,940
Wholesale - Grocery and related product wholesalers	2	118,084	172,323	397,231
Wholesale - Petroleum and petroleum products	<1	29,053	448,548	553,383
Wholesale - Other nondurable goods merchant wholesalers	2	143,034	323,203	719,865
Wholesale - Wholesale electronic markets and agents and brokers	<1	51,639	57,907	71,673
Retail - Motor vehicle and parts dealers	2	120,875	185,462	271,087
Retail - Furniture and home furnishings stores	1	44,570	68,331	125,569
Retail - Electronics and appliance stores	<1	47,233	47,945	84,894
Retail - Building material and garden equipment and supplies stores	2	101,631	207,552	304,023
Retail - Food and beverage stores	5	146,819	216,359	378,688
Retail - Health and personal care stores	3	127,304	165,136	252,423
Retail - Gasoline stores	2	82,241	167,709	319,170
Retail - Clothing and clothing accessories stores	3	75,350	143,052	329,058
Retail - Sporting goods, hobby, musical instrument and book stores	2	39,925	60,398	111,896
Retail - General merchandise stores	5	174,573	296,569	504,468
Retail - Miscellaneous store retailers	4	103,672	118,002	221,413
Retail - Nonstore retailers	4	97,496	595,257	996,315
Air transportation	<1	19,524	64,752	133,795
Rail transportation	<1	51,942	215,431	364,550
Water transportation	<1	14,985	29,726	104,284
Truck transportation	7	440,553	610,593	1,478,142
Transit and ground passenger transportation	2	45,034	52,330	85,424
Pipeline transportation	<1	51,766	118,538	252,391
Scenic and sightseeing transportation and support activities for transportation	2	134,509	117,179	190,600
Couriers and messengers	4	113,340	232,243	274,843
Warehousing and storage	5	249,762	271,021	507,216
Newspaper publishers	<1	20,946	39,522	58,942
Periodical publishers	<1	5,628	9,359	17,629
Book publishers	<1	3,135	9,519	17,231



## Appendix

Directory, mailing list, and other publishers	<1	712	1,820	3,306
Greeting card publishing	0	0	0	0
Software publishers	12	1,861,735	4,005,377	5,439,910
Motion picture and video industries	<1	17,927	28,427	106,134
Sound recording industries	<1	4,522	23,652	45,281
Radio and television broadcasting	<1	115,334	141,681	416,681
Cable and other subscription programming	<1	8,775	27,850	111,796
Wired telecommunications carriers	1	126,402	261,939	574,195
Wireless telecommunications carriers (except satellite)	<1	31,024	209,846	733,974
Satellite, telecommunications resellers, and all other telecommunications	<1	6,258	8,172	20,471
Data processing, hosting, and related services	<1	65,501	129,087	542,905
News syndicates, libraries, archives and all other information services	<1	2,413	3,588	12,234
Internet publishing and broadcasting and web search portals	<1	8,394	20,754	221,308
Nondepository credit intermediation and related activities	2	111,350	124,069	239,193
Securities and commodity contracts intermediation and brokerage	3	85,457	67,223	280,027
Monetary authorities and depository credit intermediation	5	421,942	1,475,604	2,343,514
Other financial investment activities	2	43,407	48,282	268,249
Direct life insurance carriers	<1	34,371	107,292	157,103
Insurance carriers, except direct life	1	79,608	415,487	811,285
Insurance agencies, brokerages, and related activities	3	177,115	344,404	932,218
Funds, trusts, and other financial vehicles	1	48,612	47,280	290,111
Other real estate	15	321,669	1,252,149	3,162,508
Tenant-occupied housing	2	38,971	422,488	470,039
Owner-occupied dwellings	0	0	2,487,903	3,002,486
Automotive equipment rental and leasing	<1	30,289	189,596	231,210

## Appendix

General and consumer goods rental except video tapes and discs	<1	28,346	71,936	107,156
Video tape and disc rental	<1	7,832	14,095	24,581
Commercial and industrial machinery and equipment rental and leasing	<1	38,593	167,300	209,570
Lessors of nonfinancial intangible assets	<1	977	76,073	84,380
Legal services	5	323,889	523,702	838,615
Accounting, tax preparation, bookkeeping, and payroll services	5	284,068	328,057	622,846
Architectural, engineering, and related services	3	221,650	234,778	491,564
Specialized design services	<1	5,827	8,194	19,601
Custom computer programming services	8	556,111	587,277	929,561
Computer systems design services	5	329,061	264,885	402,522
Other computer related services, including facilities management	<1	49,552	56,537	138,463
Management consulting services	14	906,462	929,588	1,835,910
Environmental and other technical consulting services	2	131,668	141,113	260,954
Scientific research and development services	25	1,839,755	2,265,605	5,294,165
Advertising, public relations, and related services	2	88,358	120,255	392,468
Photographic services	<1	5,972	11,829	35,009
Veterinary services	<1	15,992	17,206	30,070
Marketing research and all other miscellaneous professional, scientific, and technical services	3	242,223	361,748	950,029
Management of companies and enterprises	9	1,065,189	1,214,265	2,054,348
Office administrative services	4	176,427	58,260	259,077
Facilities support services	156	7,237,433	9,356,582	26,273,779
Employment services	57	1,942,696	2,649,926	5,510,942
Business support services	5	182,275	156,934	359,145
Travel arrangement and reservation services	<1	11,210	17,297	80,177
Investigation and security services	8	221,450	226,727	400,947
Services to buildings	7	169,754	236,967	629,873
Landscape and horticultural services	3	86,952	106,924	239,716
Other support services	2	89,160	113,154	303,950
Waste management and remediation services	2	126,877	200,809	462,400

## Appendix

Elementary and secondary schools	2	86,162	64,466	87,616
Junior colleges, colleges, universities, and professional schools	2	84,663	102,890	156,723
Other educational services	1	64,353	70,162	135,534
Offices of physicians	7	684,184	688,180	1,027,616
Offices of dentists	2	133,579	154,957	217,371
Offices of other health practitioners	2	124,531	177,006	226,318
Outpatient care centers	2	96,916	95,523	162,021
Medical and diagnostic laboratories	<1	24,638	36,930	55,460
Home health care services	3	166,739	165,599	208,423
Other ambulatory health care services	<1	42,862	49,125	77,388
Hospitals	9	686,751	821,979	1,642,658
Nursing and community care facilities	3	160,525	168,709	274,035
Residential mental retardation, mental health, substance abuse and other facilities	<1	48,100	46,991	73,394
Individual and family services	6	177,816	154,030	232,239
Child day care services	2	73,401	98,135	138,975
Community food, housing, and other relief services, including rehabilitation services	1	36,621	34,288	94,136
Performing arts companies	<1	9,326	17,552	47,032
Commercial Sports Except Racing	1	17,713	21,364	52,521
Racing and Track Operation	<1	1,736	2,466	5,992
Independent artists, writers, and performers	1	16,401	49,369	119,346
Promoters of performing arts and sports and agents for public figures	<1	8,628	22,345	88,503
Museums, historical sites, zoos, and parks	<1	4,681	6,022	11,829
Amusement parks and arcades	<1	826	2,572	3,310
Gambling industries (except casino hotels)	<1	27,064	103,366	138,231
Other amusement and recreation industries	1	23,722	32,464	46,858
Fitness and recreational sports centers	1	19,949	31,288	50,884
Bowling centers	<1	2,970	5,684	8,758
Hotels and motels, including casino hotels	<1	32,312	67,774	104,680
Other accommodations	<1	3,035	3,694	5,112

## Appendix

Full-service restaurants	13	363,975	550,121	1,146,401
Limited-service restaurants	11	259,465	417,959	1,076,693
All other food and drinking places	8	258,464	422,036	678,256
Automotive repair and maintenance, except car washes	6	266,193	356,533	534,512
Car washes	2	129,265	202,933	307,885
Electronic and precision equipment repair and maintenance	55	3,350,817	5,174,606	8,522,613
Commercial and industrial machinery and equipment repair and maintenance	3	168,198	205,261	355,627
Personal and household goods repair and maintenance	4	162,249	356,935	525,843
Personal care services	1	30,888	30,975	37,408
Death care services	<1	13,906	14,764	20,422
Dry-cleaning and laundry services	2	38,741	39,727	50,833
Other personal services	2	42,298	57,207	86,833
Religious organizations	3	124,993	115,484	294,101
Grantmaking, giving, and social advocacy organizations	<1	31,743	134,626	193,254
Business and professional associations	<1	33,371	68,292	124,850
Labor and civic organizations	<1	18,883	74,783	112,778
Private households	2	24,250	24,250	24,250
Postal service	2	135,498	136,248	136,305
Federal electric utilities	<1	9,202	25,281	59,812
Other federal government enterprises	<1	7,935	-977	15,633
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	40,337	65,274	94,314
Local government passenger transit	<1	7,626	1,503	7,190
Local government electric utilities	<1	12,824	40,608	108,440
Other local government enterprises	2	117,244	226,445	699,333
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	35	6,006,774	8,896,130	16,279,706

## Investments in Climate Change Research and Technology

**Table 699: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>286</i>	<i>14,382,709</i>	<i>21,433,647</i>	<i>45,817,155</i>
Oilseed farming	<1	33,896	55,485	106,937
Grain farming	<1	13,187	10,815	70,224
Vegetable and melon farming	<1	4,955	6,537	14,284
Fruit farming	<1	987	1,229	2,001
Tree nut farming	<1	262	335	588
Greenhouse, nursery, and floriculture production	<1	728	1,015	2,896
Tobacco farming	0	0	0	0
Cotton farming	<1	3,650	4,797	13,947
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,236	4,080	11,177
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	4,246	5,211	16,870
Dairy cattle and milk production	<1	227	307	1,882
Poultry and egg production	<1	5,684	8,484	153,912
Animal production, except cattle and poultry and eggs	<1	22,176	37,542	54,766
Forestry, forest products, and timber tract production	<1	587	658	959

## Appendix

Commercial logging	<1	6,798	7,557	12,927
Commercial fishing	<1	746	3,744	3,781
Commercial hunting and trapping	<1	179	552	695
Support activities for agriculture and forestry	<1	11,953	12,112	13,525
Oil and gas extraction	<1	4,625	19,503	116,384
Coal mining	<1	1,548	6,793	11,076
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	117	848	1,239
Sand and gravel mining	<1	1,078	2,768	5,063
Other clay, ceramic, refractory minerals mining	<1	241	687	1,225
Potash, soda, and borate mineral mining	<1	60	112	223
Phosphate rock mining	<1	17	45	83
Other chemical and fertilizer mineral mining	<1	12	23	47
Other nonmetallic minerals	<1	65	158	291
Drilling oil and gas wells	<1	3	6	20
Support activities for oil and gas operations	<1	107	149	411
Metal mining services	<1	70	380	2,348
Other nonmetallic minerals services	<1	8	37	207
Electric power generation - Hydroelectric	<1	103	277	528
Electric power generation - Fossil fuel	<1	11,838	56,772	139,314
Electric power generation - Nuclear	<1	17,765	43,270	92,718
Electric power generation - Solar	<1	287	755	1,433
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	48,983	223,700	570,100

Appendix

Natural gas distribution	<1	6,289	27,891	64,828
Water, sewage and other systems	<1	11,661	31,010	72,405
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	2	96,705	99,780	249,223
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	31,723	34,960	135,333
Maintenance and repair construction of residential structures	<1	14,590	18,122	59,265
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	11	41
Dog and cat food manufacturing	<1	159	467	1,824
Other animal food manufacturing	<1	1,865	3,642	32,483
Flour milling	<1	163	378	2,157
Rice milling	<1	216	431	2,501
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	84	621	6,966
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	3	53
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	1,143	1,659	7,663
Canned fruits and vegetables manufacturing	<1	114	240	982
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	19	38	159
Cheese manufacturing	<1	132	202	2,256
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	890	1,541	10,010
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2	4	49
Frozen cakes and other pastries manufacturing	<1	783	1,211	2,475
Poultry processing	<1	31,566	40,218	209,956
Animal, except poultry, slaughtering	<1	486	647	5,785
Meat processed from carcasses	<1	2,398	2,422	23,652
Rendering and meat byproduct processing	<1	217	223	1,587
Seafood product preparation and packaging	<1	2,669	4,016	27,230
Bread and bakery product, except frozen, manufacturing	<1	2,509	3,904	11,003
Cookie and cracker manufacturing	<1	935	1,395	5,613
Dry pasta, mixes, and dough manufacturing	<1	251	647	2,481
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	327	646	3,111
Other snack food manufacturing	<1	435	1,030	5,002
Coffee and tea manufacturing	<1	54	107	576
Flavoring syrup and concentrate manufacturing	<1	253	2,199	4,216
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	428	745	3,095
All other food manufacturing	<1	410	618	2,879
Bottled and canned soft drinks & water	<1	2,515	4,829	23,200
Manufactured ice	<1	351	259	1,129



## Appendix

Breweries	<1	135	330	1,124
Wineries	<1	131	256	984
Distilleries	<1	54	313	759
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	11	25	163
Broadwoven fabric mills	<1	110	257	707
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	1,330	4,283	10,153
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	30	62	240
Fabric coating mills	<1	146	291	1,446
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	150	295	833
Textile bag and canvas mills	<1	17	39	109
Rope, cordage, twine, tire cord and tire fabric mills	<1	37	108	226
Other textile product mills	<1	716	1,237	3,513
Hosiery and sock mills	<1	21	30	78
Other apparel knitting mills	<1	20	30	80
Cut and sew apparel contractors	<1	56	67	176
Men's and boys' cut and sew apparel manufacturing	<1	129	160	413
Women's and girls' cut and sew apparel manufacturing	<1	126	203	713
Other cut and sew apparel manufacturing	<1	61	86	251
Apparel accessories and other apparel manufacturing	<1	168	235	620
Leather and hide tanning and finishing	<1	27	39	194
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	38	43	157
Sawmills	<1	5,659	14,508	43,761
Wood preservation	<1	286	1,374	4,284
Veneer and plywood manufacturing	<1	5,720	12,228	33,683
Engineered wood member and truss manufacturing	<1	384	920	3,349
Reconstituted wood product manufacturing	<1	2,510	12,720	39,732
Wood windows and door manufacturing	<1	131	231	615
Cut stock, resawing lumber, and planing	<1	686	2,128	5,626

Appendix

Other millwork, including flooring	<1	413	970	2,685
Wood container and pallet manufacturing	<1	2,773	5,079	12,785
Manufactured home (mobile home) manufacturing	<1	4	8	27
Prefabricated wood building manufacturing	<1	321	837	2,614
All other miscellaneous wood product manufacturing	<1	6,227	11,961	30,732
Pulp mills	<1	173	263	977
Paper mills	<1	8,488	21,232	66,258
Paperboard mills	<1	891	1,915	6,509
Paperboard container manufacturing	<1	7,006	11,117	51,152
Paper bag and coated and treated paper manufacturing	<1	348	571	2,029
Stationery product manufacturing	<1	353	462	2,231
Sanitary paper product manufacturing	<1	1,246	3,736	15,545
All other converted paper product manufacturing	<1	39	73	451
Printing	<1	11,049	10,941	38,001
Support activities for printing	<1	12	12	36
Petroleum refineries	<1	19,112	108,800	810,910
Asphalt paving mixture and block manufacturing	<1	714	905	4,785
Asphalt shingle and coating materials manufacturing	<1	481	1,211	4,151
Petroleum lubricating oil and grease manufacturing	<1	179	361	1,589
All other petroleum and coal products manufacturing	<1	780	1,768	5,999
Petrochemical manufacturing	<1	4,449	13,567	150,481
Industrial gas manufacturing	<1	9,237	12,022	82,688
Synthetic dye and pigment manufacturing	<1	614	612	2,872
Other basic inorganic chemical manufacturing	<1	323	351	1,854
Other basic organic chemical manufacturing	<1	317	398	6,359
Plastics material and resin manufacturing	<1	2,583	2,760	27,279
Synthetic rubber manufacturing	<1	95	101	544
Artificial and synthetic fibers and filaments manufacturing	<1	21	23	248
Nitrogenous fertilizer manufacturing	<1	376	526	4,054

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	1,816	2,556	20,692
Medicinal and botanical manufacturing	<1	1	2	12
Pharmaceutical preparation manufacturing	<1	1,299	1,562	9,913
In-vitro diagnostic substance manufacturing	<1	3	3	14
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	479	504	3,559
Adhesive manufacturing	<1	28	28	182
Soap and other detergent manufacturing	<1	395	480	5,077
Polish and other sanitation good manufacturing	<1	205	204	1,398
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	165	188	1,135
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	1,230	1,197	6,207
Photographic film and chemical manufacturing	<1	499	613	3,481
Other miscellaneous chemical product manufacturing	<1	523	524	3,044
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,053	1,588	7,261
Unlaminated plastics profile shape manufacturing	<1	147	292	1,186
Plastics pipe and pipe fitting manufacturing	<1	211	502	2,247
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	39	59	191
Polystyrene foam product manufacturing	<1	994	1,607	7,789
Urethane and other foam product (except polystyrene) manufacturing	<1	2,062	3,252	18,651
Plastics bottle manufacturing	<1	111	160	739
Other plastics product manufacturing	<1	2,719	3,765	15,292
Tire manufacturing	<1	9,965	12,289	51,782

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	20	29	95
Other rubber product manufacturing	<1	418	510	1,868
Pottery, ceramics, and plumbing fixture manufacturing	<1	59	98	334
Brick, tile, and other structural clay product manufacturing	<1	201	364	950
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	294	505	1,300
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	461	887	2,573
Cement manufacturing	<1	88	218	714
Ready-mix concrete manufacturing	<1	3,242	5,619	18,700
Concrete block and brick manufacturing	<1	623	1,190	3,511
Concrete pipe manufacturing	<1	963	1,698	4,731
Other concrete product manufacturing	<1	2,622	4,101	10,125
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	507	686	1,711
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	421	1,220	3,012
Miscellaneous nonmetallic mineral products manufacturing	<1	101	256	529
Iron and steel mills and ferroalloy manufacturing	<1	3,048	10,327	47,557
Iron, steel pipe and tube manufacturing from purchased steel	<1	134	407	2,068
Rolled steel shape manufacturing	<1	164	912	4,405
Steel wire drawing	<1	30	84	376
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	26	82	446
Other aluminum rolling, drawing and extruding	<1	24	44	324
Nonferrous metal (exc aluminum) smelting and refining	<1	37	423	1,305

## Appendix

Copper rolling, drawing, extruding and alloying	<1	503	1,412	14,262
Nonferrous metal, except copper and aluminum, shaping	<1	75	105	560
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	214	501	1,332
Nonferrous metal foundries	<1	24	39	105
Custom roll forming	<1	26	34	319
Crown and closure manufacturing and metal stamping	<1	532	643	2,864
Iron and steel forging	<1	54	68	394
Nonferrous forging	<1	60	71	386
Cutlery, utensil, pot, and pan manufacturing	<1	32	57	257
Handtool manufacturing	<1	31	44	198
Prefabricated metal buildings and components manufacturing	<1	567	758	3,400
Fabricated structural metal manufacturing	<1	15,245	19,984	90,655
Plate work manufacturing	<1	778	848	3,389
Metal window and door manufacturing	<1	1,067	1,332	4,505
Sheet metal work manufacturing	<1	448	555	2,134
Ornamental and architectural metal work manufacturing	<1	242	277	977
Power boiler and heat exchanger manufacturing	<1	6	7	22
Metal tank (heavy gauge) manufacturing	<1	505	575	2,073
Metal cans manufacturing	<1	101	158	1,022
Metal barrels, drums and pails manufacturing	<1	138	166	829
Hardware manufacturing	<1	444	588	3,087
Spring and wire product manufacturing	<1	214	258	1,048
Machine shops	<1	1,820	2,038	5,114
Turned product and screw, nut, and bolt manufacturing	<1	120	143	516
Metal heat treating	<1	193	232	702
Metal coating and nonprecious engraving	<1	893	1,301	3,829
Electroplating, anodizing, and coloring metal	<1	192	203	462
Valve and fittings, other than plumbing, manufacturing	<1	88	115	440
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	<1	122	172	606
Small arms ammunition manufacturing	<1	8,769	16,379	52,553
Ammunition, except for small arms, manufacturing	<1	6	7	20
Small arms, ordnance, and accessories manufacturing	<1	6	10	51
Fabricated pipe and pipe fitting manufacturing	<1	50	59	188
Other fabricated metal manufacturing	<1	234	284	1,231
Farm machinery and equipment manufacturing	<1	98	190	1,016
Lawn and garden equipment manufacturing	<1	63	112	564
Construction machinery manufacturing	<1	77	182	604
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	75	100	350
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	1	1	5
Sawmill, woodworking, and paper machinery	<1	10	12	43
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	1	3
Optical instrument and lens manufacturing	<1	11	17	56
Photographic and photocopying equipment manufacturing	<1	15	19	81
Other commercial service industry machinery manufacturing	<1	137	233	916
Air purification and ventilation equipment manufacturing	<1	10	13	47
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,518	2,752	10,376
Industrial mold manufacturing	<1	33	40	106
Special tool, die, jig, and fixture manufacturing	<1	30	41	100

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	14	17	65
Machine tool manufacturing	<1	12	16	56
Rolling mill and other metalworking machinery manufacturing	<1	108	148	411
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	45	66	180
Mechanical power transmission equipment manufacturing	<1	64	93	235
Other engine equipment manufacturing	<1	3,854	9,085	45,318
Pump and pumping equipment manufacturing	<1	3	5	24
Air and gas compressor manufacturing	<1	<1	1	4
Elevator and moving stairway manufacturing	<1	2	3	11
Conveyor and conveying equipment manufacturing	<1	49	56	175
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	9	38
Industrial truck, trailer, and stacker manufacturing	<1	198	344	1,138
Power-driven handtool manufacturing	<1	331	972	3,343
Welding and soldering equipment manufacturing	<1	4	6	32
Packaging machinery manufacturing	<1	10	16	55
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	110	163	550
Fluid power pump and motor manufacturing	<1	306	513	1,938
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	14	17	61
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	245	134	1,424
Telephone apparatus manufacturing	0	0	0	0

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	2	22
Other communications equipment manufacturing	<1	31	16	170
Audio and video equipment manufacturing	<1	1	<1	30
Printed circuit assembly (electronic assembly) manufacturing	<1	284	147	2,996
Bare printed circuit board manufacturing	<1	59	48	255
Semiconductor and related device manufacturing	<1	475	111	3,488
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	26	19	157
Electronic connector manufacturing	<1	616	388	3,598
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	<1	10
Search, detection, and navigation instruments manufacturing	<1	17	7	61
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	6	3	15
Totalizing fluid meter and counting device manufacturing	<1	22	5	77
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	<1	4	2	11
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	113	185	583
Lighting fixture manufacturing	<1	619	798	3,229
Small electrical appliance manufacturing	<1	62	134	557



## Appendix

Household cooking appliance manufacturing	<1	117	281	1,158
Household refrigerator and home freezer manufacturing	<1	117	256	980
Household laundry equipment manufacturing	<1	315	522	2,526
Other major household appliance manufacturing	<1	45	114	389
Power, distribution, and specialty transformer manufacturing	<1	1,484	2,121	6,834
Motor and generator manufacturing	<1	152	286	1,280
Switchgear and switchboard apparatus manufacturing	<1	2,060	3,777	10,477
Relay and industrial control manufacturing	<1	28	38	120
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	76	135	670
Wiring device manufacturing	<1	158	317	1,109
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	1	4
Automobile manufacturing	<1	4,883	9,072	70,572
Light truck and utility vehicle manufacturing	<1	1,417	2,636	30,159
Heavy duty truck manufacturing	<1	186	257	2,042
Motor vehicle body manufacturing	<1	192	216	1,047
Truck trailer manufacturing	<1	7	8	41
Motor home manufacturing	<1	3,386	4,431	22,453
Travel trailer and camper manufacturing	<1	1,188	1,318	10,148
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,650	1,996	12,885
Motor vehicle electrical and electronic equipment manufacturing	<1	3,535	3,940	24,496
Motor vehicle transmission and power train parts manufacturing	<1	914	1,073	8,180
Motor vehicle seating and interior trim manufacturing	<1	1,891	2,045	13,250
Motor vehicle metal stamping	<1	1,266	1,390	6,871
Other motor vehicle parts manufacturing	<1	7,277	8,210	49,603

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,894	2,108	11,224
Aircraft manufacturing	<1	3	6	15
Aircraft engine and engine parts manufacturing	<1	9	24	55
Other aircraft parts and auxiliary equipment manufacturing	<1	11	18	36
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	23	34	67
Railroad rolling stock manufacturing	<1	8	9	49
Ship building and repairing	<1	421	626	1,349
Boat building	<1	990	1,665	5,245
Motorcycle, bicycle, and parts manufacturing	<1	8	39	88
Military armored vehicle, tank, and tank component manufacturing	<1	56	146	464
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	345	451	1,336
Upholstered household furniture manufacturing	<1	7,318	8,158	31,361
Nonupholstered wood household furniture manufacturing	<1	171	198	668
Other household nonupholstered furniture manufacturing	<1	20	33	128
Institutional furniture manufacturing	<1	14	15	64
Wood office furniture manufacturing	<1	3	4	15
Custom architectural woodwork and millwork	<1	32	32	100
Office furniture, except wood, manufacturing	<1	32	56	221
Showcase, partition, shelving, and locker manufacturing	<1	173	242	1,013
Mattress manufacturing	<1	379	666	3,265
Blind and shade manufacturing	<1	17	17	62
Surgical and medical instrument manufacturing	<1	224	267	754
Surgical appliance and supplies manufacturing	<1	129	177	540

## Appendix

Dental equipment and supplies manufacturing	<1	3	4	13
Ophthalmic goods manufacturing	<1	108	143	402
Dental laboratories	<1	111	117	228
Jewelry and silverware manufacturing	<1	260	462	1,722
Sporting and athletic goods manufacturing	<1	390	466	1,782
Doll, toy, and game manufacturing	<1	97	122	590
Office supplies (except paper) manufacturing	<1	418	517	3,006
Sign manufacturing	<1	1,849	1,708	4,686
Gasket, packing, and sealing device manufacturing	<1	19	20	52
Musical instrument manufacturing	<1	22	23	58
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	387	438	1,910
Burial casket manufacturing	<1	109	136	375
All other miscellaneous manufacturing	<1	237	285	958
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	9,496	19,619	48,400
Wholesale - Professional and commercial equipment and supplies	<1	35,809	55,421	114,626
Wholesale - Household appliances and electrical and electronic goods	<1	31,966	75,943	213,815
Wholesale - Machinery, equipment, and supplies	<1	24,306	44,904	89,746
Wholesale - Other durable goods merchant wholesalers	<1	37,785	65,762	156,702
Wholesale - Drugs and druggists'sundries	<1	22,118	51,060	120,598
Wholesale - Grocery and related product wholesalers	<1	37,774	56,047	129,534
Wholesale - Petroleum and petroleum products	<1	6,525	85,882	108,775
Wholesale - Other nondurable goods merchant wholesalers	<1	33,048	72,788	166,149
Wholesale - Wholesale electronic markets and agents and brokers	<1	18,306	20,726	25,911
Retail - Motor vehicle and parts dealers	<1	50,848	78,669	115,734
Retail - Furniture and home furnishings stores	<1	17,293	26,710	49,709

## Appendix

Retail - Electronics and appliance stores	<1	18,480	18,819	34,317
Retail - Building material and garden equipment and supplies stores	<1	31,762	66,818	98,569
Retail - Food and beverage stores	2	55,003	82,118	145,092
Retail - Health and personal care stores	1	49,706	64,980	101,320
Retail - Gasoline stores	<1	31,300	66,604	129,210
Retail - Clothing and clothing accessories stores	1	29,321	57,341	135,257
Retail - Sporting goods, hobby, musical instrument and book stores	<1	15,101	23,185	43,828
Retail - General merchandise stores	2	70,269	120,801	207,407
Retail - Miscellaneous store retailers	2	39,480	45,481	87,560
Retail - Nonstore retailers	2	37,192	228,864	384,378
Air transportation	<1	7,781	25,302	53,951
Rail transportation	<1	10,169	46,494	75,182
Water transportation	<1	4,077	7,303	29,250
Truck transportation	2	133,211	187,154	466,111
Transit and ground passenger transportation	1	21,490	25,473	45,812
Pipeline transportation	<1	10,262	20,073	44,619
Scenic and sightseeing transportation and support activities for transportation	<1	51,823	46,973	75,542
Couriers and messengers	2	51,534	113,050	133,411
Warehousing and storage	2	93,427	100,669	191,448
Newspaper publishers	<1	7,284	12,126	19,456
Periodical publishers	<1	1,925	2,689	5,779
Book publishers	<1	1,535	3,969	7,854
Directory, mailing list, and other publishers	<1	534	1,223	2,315
Greeting card publishing	0	0	0	0
Software publishers	3	340,870	593,610	888,788
Motion picture and video industries	<1	7,074	11,069	44,850
Sound recording industries	<1	1,791	8,985	18,460
Radio and television broadcasting	<1	39,253	48,302	162,087
Cable and other subscription programming	<1	2,758	8,355	36,353
Wired telecommunications carriers	<1	56,722	112,168	260,300

## Appendix

Wireless telecommunications carriers (except satellite)	<1	15,143	87,909	335,433
Satellite, telecommunications resellers, and all other telecommunications	<1	2,850	3,996	9,706
Data processing, hosting, and related services	<1	26,899	52,971	230,110
News syndicates, libraries, archives and all other information services	<1	1,617	2,392	8,310
Internet publishing and broadcasting and web search portals	<1	4,597	11,386	121,796
Nondepository credit intermediation and related activities	<1	47,390	52,492	104,788
Securities and commodity contracts intermediation and brokerage	2	35,033	29,078	137,514
Monetary authorities and depository credit intermediation	4	288,459	863,767	1,473,407
Other financial investment activities	<1	13,790	15,309	98,443
Direct life insurance carriers	<1	14,400	43,965	68,047
Insurance carriers, except direct life	<1	31,296	158,881	330,054
Insurance agencies, brokerages, and related activities	1	70,236	136,038	381,421
Funds, trusts, and other financial vehicles	<1	16,958	15,788	110,524
Other real estate	6	116,082	464,890	1,230,364
Tenant-occupied housing	<1	13,958	153,094	172,455
Owner-occupied dwellings	0	0	944,067	1,146,146
Automotive equipment rental and leasing	<1	12,168	72,214	92,081
General and consumer goods rental except video tapes and discs	<1	12,844	32,865	49,796
Video tape and disc rental	<1	3,103	5,656	9,849
Commercial and industrial machinery and equipment rental and leasing	<1	15,787	66,308	84,995
Lessors of nonfinancial intangible assets	<1	527	34,986	39,086
Legal services	2	139,571	215,723	353,684
Accounting, tax preparation, bookkeeping, and payroll services	3	149,746	168,528	333,148
Architectural, engineering, and related services	2	126,778	133,559	306,817
Specialized design services	<1	4,496	6,159	15,688

Appendix

Custom computer programming services	<1	22,190	23,487	38,487
Computer systems design services	1	69,575	55,758	86,714
Other computer related services, including facilities management	<1	15,430	17,691	44,033
Management consulting services	67	4,008,264	4,086,013	8,323,308
Environmental and other technical consulting services	<1	49,502	52,379	100,331
Scientific research and development services	5	372,612	471,755	1,106,483
Advertising, public relations, and related services	<1	30,554	40,858	139,267
Photographic services	<1	3,878	6,969	22,651
Veterinary services	<1	5,957	6,314	11,334
Marketing research and all other miscellaneous professional, scientific, and technical services	2	137,579	192,114	554,580
Management of companies and enterprises	3	363,988	413,416	723,515
Office administrative services	1	56,726	17,206	86,045
Facilities support services	31	1,083,853	1,402,555	4,640,750
Employment services	20	562,241	746,019	1,689,494
Business support services	3	90,714	76,609	188,699
Travel arrangement and reservation services	<1	5,904	9,000	43,792
Investigation and security services	3	63,966	65,292	121,230
Services to buildings	2	52,269	70,979	199,376
Landscape and horticultural services	<1	26,348	31,902	75,155
Other support services	<1	23,955	30,009	85,367
Waste management and remediation services	<1	35,902	57,599	133,948
Elementary and secondary schools	<1	27,678	20,904	28,960
Junior colleges, colleges, universities, and professional schools	3	103,504	125,280	196,972
Other educational services	3	137,542	150,501	290,362
Offices of physicians	3	266,445	267,033	404,850
Offices of dentists	<1	50,309	57,217	81,662
Offices of other health practitioners	<1	50,314	68,625	89,377
Outpatient care centers	<1	35,803	35,120	59,373
Medical and diagnostic laboratories	<1	9,581	13,782	21,297
Home health care services	1	61,149	60,457	77,316

## Appendix

Other ambulatory health care services	<1	16,273	18,320	29,509
Hospitals	3	222,257	263,025	529,562
Nursing and community care facilities	1	53,794	56,273	94,795
Residential mental retardation, mental health, substance abuse and other facilities	<1	14,287	13,930	22,481
Individual and family services	2	56,119	47,902	74,964
Child day care services	<1	25,761	32,812	48,062
Community food, housing, and other relief services, including rehabilitation services	<1	10,806	10,061	28,915
Performing arts companies	<1	4,012	7,461	21,716
Commercial Sports Except Racing	<1	7,149	7,712	20,091
Racing and Track Operation	<1	549	835	2,162
Independent artists, writers, and performers	<1	5,915	17,875	44,716
Promoters of performing arts and sports and agents for public figures	<1	3,390	8,941	38,634
Museums, historical sites, zoos, and parks	<1	1,521	1,934	3,971
Amusement parks and arcades	<1	297	916	1,203
Gambling industries (except casino hotels)	<1	9,260	34,642	47,471
Other amusement and recreation industries	<1	9,813	13,249	19,726
Fitness and recreational sports centers	<1	6,961	10,516	18,053
Bowling centers	<1	1,124	2,094	3,343
Hotels and motels, including casino hotels	<1	13,785	30,238	47,228
Other accommodations	<1	1,383	1,697	2,414
Full-service restaurants	6	147,222	225,013	480,923
Limited-service restaurants	5	102,976	167,687	448,853
All other food and drinking places	4	117,672	195,374	323,260
Automotive repair and maintenance, except car washes	2	88,400	124,883	188,707
Car washes	<1	47,462	75,417	115,616
Electronic and precision equipment repair and maintenance	28	1,464,325	2,391,854	4,091,484
Commercial and industrial machinery and equipment repair and maintenance	1	56,845	71,081	127,814
Personal and household goods repair and maintenance	<1	31,759	79,103	115,517

## Appendix

Personal care services	<1	11,412	13,414	15,931
Death care services	<1	4,832	5,853	8,021
Dry-cleaning and laundry services	<1	16,709	19,713	24,913
Other personal services	<1	13,015	18,346	28,059
Religious organizations	<1	38,121	42,496	97,171
Grantmaking, giving, and social advocacy organizations	<1	8,716	44,406	62,372
Business and professional associations	<1	11,808	27,932	50,873
Labor and civic organizations	<1	5,565	26,692	38,683
Private households	<1	9,255	9,255	9,295
Postal service	<1	80,680	81,067	81,664
Federal electric utilities	<1	7,253	17,866	44,388
Other federal government enterprises	<1	3,023	-355	5,784
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	13,993	28,133	41,575
Local government passenger transit	<1	4,712	1,842	6,603
Local government electric utilities	<1	3,822	14,005	36,785
Other local government enterprises	<1	39,694	104,560	276,164
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	415,164	559,671	1,024,184

## Missouri

## NASA

Table 700: Detailed NASA Impacts by Types of Impact, Missouri

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	369	27,955,604	44,060,802	83,270,776
Oilseed farming	<1	56,538	208,303	362,957
Grain farming	<1	27,300	55,272	235,647
Vegetable and melon farming	<1	967	1,827	4,395
Fruit farming	<1	807	1,433	2,648
Tree nut farming	<1	146	274	531
Greenhouse, nursery, and floriculture production	<1	1,212	2,275	6,092
Tobacco farming	<1	19	26	70
Cotton farming	<1	851	1,524	3,741
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,231	3,766	10,303
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	7,059	18,317	57,029
Dairy cattle and milk production	<1	541	1,185	7,077
Poultry and egg production	<1	2,359	5,793	70,449
Animal production, except cattle and poultry and eggs	1	26,954	92,222	125,610
Forestry, forest products, and timber tract production	<1	872	941	1,351
Commercial logging	<1	3,517	3,503	5,944
Commercial fishing	<1	-188	403	406
Commercial hunting and trapping	<1	37	258	566
Support activities for agriculture and forestry	<1	17,670	17,863	20,389
Oil and gas extraction	<1	-144	221	61,144
Coal mining	<1	1,735	2,016	2,725
Copper, nickel, lead, and zinc mining	<1	60,382	75,278	135,886
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	472	466	728
Stone mining and quarrying	<1	10,257	10,559	22,566
Sand and gravel mining	<1	3,150	3,280	5,345

## Appendix

Other clay, ceramic, refractory minerals mining	<1	217	234	443
Potash, soda, and borate mineral mining	<1	246	270	441
Phosphate rock mining	<1	85	95	174
Other chemical and fertilizer mineral mining	<1	66	71	122
Other nonmetallic minerals	<1	599	679	1,213
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	7	11	43
Metal mining services	<1	51	72	1,440
Other nonmetallic minerals services	<1	2	4	97
Electric power generation - Hydroelectric	<1	6,779	16,875	31,020
Electric power generation - Fossil fuel	<1	26,038	108,293	267,543
Electric power generation - Nuclear	<1	12,781	27,567	54,068
Electric power generation - Solar	<1	386	894	1,523
Electric power generation - Wind	<1	336	3,246	6,005
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,013	3,208	7,934
Electric power generation - All other	<1	1,490	-107	681
Electric power transmission and distribution	<1	67,889	269,560	667,242
Natural gas distribution	<1	36,385	144,290	303,974
Water, sewage and other systems	<1	8,020	17,997	32,239
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	22,111	22,119	46,587
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	88,362	125,218	327,251
Maintenance and repair construction of residential structures	<1	28,855	40,031	99,829
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	37	54	139
Dog and cat food manufacturing	<1	13,826	42,492	107,213
Other animal food manufacturing	<1	3,443	6,957	53,272
Flour milling	<1	1,120	2,767	16,834
Rice milling	<1	157	324	1,863
Malt manufacturing	<1	70	140	1,092
Wet corn milling	<1	5,392	14,430	80,142
Soybean and other oilseed processing	<1	1,050	8,345	63,786
Fats and oils refining and blending	<1	90	292	2,826
Breakfast cereal manufacturing	<1	3,304	9,783	36,751
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	47	74	427
Chocolate and confectionery manufacturing from cacao beans	<1	98	166	1,156
Confectionery manufacturing from purchased chocolate	<1	553	901	4,248
Frozen fruits, juices and vegetables manufacturing	<1	1,713	4,249	14,511
Frozen specialties manufacturing	<1	3,574	5,318	20,360
Canned fruits and vegetables manufacturing	<1	605	1,353	4,330
Canned specialties	<1	68	187	700
Dehydrated food products manufacturing	<1	870	1,827	6,169
Cheese manufacturing	<1	5,734	8,908	79,378
Dry, condensed, and evaporated dairy product manufacturing	<1	1,378	3,969	21,316
Fluid milk manufacturing	<1	3,716	6,770	35,909
Creamery butter manufacturing	<1	545	2,284	11,162
Ice cream and frozen dessert manufacturing	<1	1,027	1,623	6,965

## Appendix

Frozen cakes and other pastries manufacturing	<1	1,824	2,631	5,451
Poultry processing	<1	10,224	13,531	65,219
Animal, except poultry, slaughtering	<1	6,565	8,423	70,236
Meat processed from carcasses	<1	9,502	9,239	73,731
Rendering and meat byproduct processing	<1	489	491	3,041
Seafood product preparation and packaging	<1	79	121	600
Bread and bakery product, except frozen, manufacturing	<1	5,774	8,906	23,596
Cookie and cracker manufacturing	<1	1,479	2,334	8,132
Dry pasta, mixes, and dough manufacturing	<1	1,361	3,759	12,763
Tortilla manufacturing	<1	187	268	863
Roasted nuts and peanut butter manufacturing	<1	491	813	4,145
Other snack food manufacturing	<1	559	1,137	6,437
Coffee and tea manufacturing	<1	634	1,353	6,194
Flavoring syrup and concentrate manufacturing	<1	645	6,330	12,297
Mayonnaise, dressing, and sauce manufacturing	<1	949	2,083	7,718
Spice and extract manufacturing	<1	762	1,412	6,311
All other food manufacturing	<1	2,795	4,346	15,781
Bottled and canned soft drinks & water	<1	6,231	11,958	44,836
Manufactured ice	<1	395	320	1,486
Breweries	<1	12,988	26,398	49,684
Wineries	<1	2,198	4,254	18,168
Distilleries	<1	2,037	8,443	18,502
Tobacco product manufacturing	<1	886	25,204	36,818
Fiber, yarn, and thread mills	<1	96	94	401
Broadwoven fabric mills	<1	17	17	54
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	416	331	1,359
Knit fabric mills	<1	10	11	25
Textile and fabric finishing mills	<1	1,588	1,507	6,326
Fabric coating mills	<1	403	386	1,306
Carpet and rug mills	<1	121	117	854
Curtain and linen mills	<1	68	65	259
Textile bag and canvas mills	<1	688	639	2,108
Rope, cordage, twine, tire cord and tire fabric mills	<1	323	303	1,043

## Appendix

Other textile product mills	<1	1,270	1,220	3,702
Hosiery and sock mills	<1	67	72	200
Other apparel knitting mills	<1	67	75	211
Cut and sew apparel contractors	<1	194	212	438
Men's and boys' cut and sew apparel manufacturing	<1	198	202	562
Women's and girls' cut and sew apparel manufacturing	<1	209	189	965
Other cut and sew apparel manufacturing	<1	112	115	385
Apparel accessories and other apparel manufacturing	<1	402	385	1,539
Leather and hide tanning and finishing	<1	637	621	2,146
Footwear manufacturing	<1	244	254	859
Other leather and allied product manufacturing	<1	134	134	409
Sawmills	<1	3,905	4,804	30,220
Wood preservation	<1	196	279	2,111
Veneer and plywood manufacturing	<1	301	361	1,308
Engineered wood member and truss manufacturing	<1	542	610	2,878
Reconstituted wood product manufacturing	<1	3	5	31
Wood windows and door manufacturing	<1	697	732	2,901
Cut stock, resawing lumber, and planing	<1	763	960	4,450
Other millwork, including flooring	<1	3,237	3,564	14,015
Wood container and pallet manufacturing	<1	3,826	3,968	12,045
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	294	317	1,473
All other miscellaneous wood product manufacturing	<1	802	834	3,957
Pulp mills	<1	17	32	115
Paper mills	<1	3,168	8,906	26,729
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	12,359	21,919	80,393
Paper bag and coated and treated paper manufacturing	<1	2,175	4,035	12,115
Stationery product manufacturing	<1	547	775	2,742

## Appendix

Sanitary paper product manufacturing	<1	1,306	4,982	10,379
All other converted paper product manufacturing	<1	4,695	9,410	21,181
Printing	<1	49,770	88,562	161,135
Support activities for printing	<1	2,878	5,105	7,106
Petroleum refineries	<1	944	6,301	48,764
Asphalt paving mixture and block manufacturing	<1	1,389	1,895	7,890
Asphalt shingle and coating materials manufacturing	<1	994	2,719	7,332
Petroleum lubricating oil and grease manufacturing	<1	4,046	8,987	25,042
All other petroleum and coal products manufacturing	<1	271	695	1,842
Petrochemical manufacturing	<1	86	1,157	3,883
Industrial gas manufacturing	<1	1,013	3,205	10,897
Synthetic dye and pigment manufacturing	<1	315	653	1,980
Other basic inorganic chemical manufacturing	<1	2,122	4,972	15,653
Other basic organic chemical manufacturing	<1	4,648	12,201	86,945
Plastics material and resin manufacturing	<1	1,441	2,767	19,031
Synthetic rubber manufacturing	<1	9	15	85
Artificial and synthetic fibers and filaments manufacturing	<1	42	61	351
Nitrogenous fertilizer manufacturing	<1	468	1,750	5,847
Phosphatic fertilizer manufacturing	<1	12	34	78
Fertilizer mixing	<1	83	173	464
Pesticide and other agricultural chemical manufacturing	<1	3,149	11,583	39,955
Medicinal and botanical manufacturing	<1	1,010	1,640	4,735
Pharmaceutical preparation manufacturing	<1	8,364	22,750	60,360
In-vitro diagnostic substance manufacturing	<1	427	634	1,548
Biological product (except diagnostic) manufacturing	<1	3,309	9,889	20,706
Paint and coating manufacturing	<1	1,794	3,775	14,262
Adhesive manufacturing	<1	1,524	2,545	10,157
Soap and other detergent manufacturing	<1	8,412	23,385	74,048
Polish and other sanitation good manufacturing	<1	11,478	20,478	53,326

## Appendix

Surface active agent manufacturing	<1	412	1,702	4,515
Toilet preparation manufacturing	<1	1,641	5,400	13,751
Printing ink manufacturing	<1	220	244	847
Explosives manufacturing	<1	345	398	1,287
Custom compounding of purchased resins	<1	188	346	1,059
Photographic film and chemical manufacturing	<1	1,055	2,330	6,554
Other miscellaneous chemical product manufacturing	<1	2,147	3,563	15,229
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,158	4,860	20,227
Unlaminated plastics profile shape manufacturing	<1	1,135	2,326	7,974
Plastics pipe and pipe fitting manufacturing	<1	444	1,132	3,947
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	591	940	3,540
Polystyrene foam product manufacturing	<1	889	1,500	6,515
Urethane and other foam product (except polystyrene) manufacturing	<1	1,296	2,098	9,121
Plastics bottle manufacturing	<1	962	1,439	7,252
Other plastics product manufacturing	<1	17,100	24,533	88,444
Tire manufacturing	<1	1,742	2,225	9,716
Rubber and plastics hoses and belting manufacturing	<1	1,275	1,947	7,626
Other rubber product manufacturing	<1	3,519	4,368	15,805
Pottery, ceramics, and plumbing fixture manufacturing	<1	398	682	1,339
Brick, tile, and other structural clay product manufacturing	<1	1,068	2,001	4,510
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	3,003	5,435	10,730
Glass container manufacturing	<1	830	1,455	3,511
Glass product manufacturing made of purchased glass	<1	359	722	1,935
Cement manufacturing	<1	1,225	3,203	8,511
Ready-mix concrete manufacturing	<1	5,721	10,314	35,757
Concrete block and brick manufacturing	<1	985	1,956	5,213
Concrete pipe manufacturing	<1	147	269	728



## Appendix

Other concrete product manufacturing	<1	2,113	3,406	8,839
Lime manufacturing	<1	655	1,612	3,982
Gypsum product manufacturing	<1	209	690	1,595
Abrasive product manufacturing	<1	239	591	1,110
Cut stone and stone product manufacturing	<1	1,784	2,466	5,831
Ground or treated mineral and earth manufacturing	<1	892	2,364	5,355
Mineral wool manufacturing	<1	291	909	2,176
Miscellaneous nonmetallic mineral products manufacturing	<1	227	599	1,443
Iron and steel mills and ferroalloy manufacturing	<1	1,002	1,592	11,564
Iron, steel pipe and tube manufacturing from purchased steel	<1	245	357	2,525
Rolled steel shape manufacturing	<1	386	698	4,319
Steel wire drawing	<1	518	702	4,633
Alumina refining and primary aluminum production	<1	233	305	2,270
Secondary smelting and alloying of aluminum	<1	467	668	9,349
Aluminum sheet, plate, and foil manufacturing	<1	80	117	798
Other aluminum rolling, drawing and extruding	<1	326	384	2,536
Nonferrous metal (exc aluminum) smelting and refining	<1	1,573	4,588	31,554
Copper rolling, drawing, extruding and alloying	<1	8,708	11,797	95,619
Nonferrous metal, except copper and aluminum, shaping	<1	347	382	1,672
Secondary processing of other nonferrous metals	<1	817	1,170	10,109
Ferrous metal foundries	<1	107	124	441
Nonferrous metal foundries	<1	2,286	2,498	7,016
Custom roll forming	<1	125	168	993
Crown and closure manufacturing and metal stamping	<1	1,074	1,329	4,251
Iron and steel forging	<1	387	501	2,041
Nonferrous forging	<1	95	116	464
Cutlery, utensil, pot, and pan manufacturing	<1	48	90	427
Handtool manufacturing	<1	6,513	9,859	27,018
Prefabricated metal buildings and components manufacturing	<1	689	952	3,883

## Appendix

Fabricated structural metal manufacturing	<1	3,042	4,226	15,280
Plate work manufacturing	<1	725	809	2,869
Metal window and door manufacturing	<1	3,087	4,043	13,685
Sheet metal work manufacturing	<1	2,398	3,063	8,956
Ornamental and architectural metal work manufacturing	<1	1,176	1,375	4,143
Power boiler and heat exchanger manufacturing	<1	71	91	283
Metal tank (heavy gauge) manufacturing	<1	530	629	2,165
Metal cans manufacturing	<1	1,893	3,315	22,150
Metal barrels, drums and pails manufacturing	<1	533	668	3,450
Hardware manufacturing	<1	150	208	878
Spring and wire product manufacturing	<1	1,101	1,377	5,198
Machine shops	<1	5,543	6,343	14,927
Turned product and screw, nut, and bolt manufacturing	<1	764	935	3,143
Metal heat treating	<1	820	1,019	2,568
Metal coating and nonprecious engraving	<1	775	1,224	3,678
Electroplating, anodizing, and coloring metal	<1	1,476	1,585	3,874
Valve and fittings, other than plumbing, manufacturing	<1	1,464	2,021	6,952
Plumbing fixture fitting and trim manufacturing	<1	1,017	2,064	9,242
Ball and roller bearing manufacturing	<1	328	486	1,704
Small arms ammunition manufacturing	<1	13,331	26,254	64,939
Ammunition, except for small arms, manufacturing	<1	31	34	77
Small arms, ordnance, and accessories manufacturing	<1	582	1,066	3,797
Fabricated pipe and pipe fitting manufacturing	<1	455	544	1,631
Other fabricated metal manufacturing	<1	4,790	5,985	18,038
Farm machinery and equipment manufacturing	<1	112	176	1,151
Lawn and garden equipment manufacturing	<1	276	420	2,575
Construction machinery manufacturing	<1	254	458	1,425
Mining machinery and equipment manufacturing	<1	43	52	165

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	19	22	63
Semiconductor machinery manufacturing	<1	19	22	89
Food product machinery manufacturing	<1	128	145	399
Sawmill, woodworking, and paper machinery	<1	5	6	41
Printing machinery and equipment manufacturing	<1	9	9	35
All other industrial machinery manufacturing	<1	40	46	150
Optical instrument and lens manufacturing	<1	122	151	472
Photographic and photocopying equipment manufacturing	<1	20	23	84
Other commercial service industry machinery manufacturing	<1	290	383	1,514
Air purification and ventilation equipment manufacturing	<1	335	391	1,235
Heating equipment (except warm air furnaces) manufacturing	<1	379	497	1,702
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3,617	4,997	19,024
Industrial mold manufacturing	<1	362	401	941
Special tool, die, jig, and fixture manufacturing	<1	331	383	821
Cutting tool and machine tool accessory manufacturing	<1	30	33	111
Machine tool manufacturing	<1	122	139	500
Rolling mill and other metalworking machinery manufacturing	<1	22	26	89
Turbine and turbine generator set units manufacturing	<1	15	15	49
Speed changer, industrial high-speed drive, and gear manufacturing	<1	335	408	1,357
Mechanical power transmission equipment manufacturing	<1	156	188	520
Other engine equipment manufacturing	<1	3,592	6,138	41,730
Pump and pumping equipment manufacturing	<1	41	56	195
Air and gas compressor manufacturing	<1	24	29	104
Elevator and moving stairway manufacturing	<1	35	40	137

## Appendix

Conveyor and conveying equipment manufacturing	<1	45	50	137
Overhead cranes, hoists, and monorail systems manufacturing	<1	8	11	52
Industrial truck, trailer, and stacker manufacturing	<1	16	21	88
Power-driven handtool manufacturing	<1	31	61	167
Welding and soldering equipment manufacturing	<1	46	57	191
Packaging machinery manufacturing	<1	54	67	210
Industrial process furnace and oven manufacturing	<1	28	32	90
Fluid power cylinder and actuator manufacturing	<1	11	14	60
Fluid power pump and motor manufacturing	<1	30	41	174
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	138	154	545
Electronic computer manufacturing	<1	61	92	433
Computer storage device manufacturing	<1	21	31	109
Computer terminals and other computer peripheral equipment manufacturing	<1	76	108	400
Telephone apparatus manufacturing	<1	11	18	81
Broadcast and wireless communications equipment manufacturing	<1	3	4	17
Other communications equipment manufacturing	<1	525	822	2,793
Audio and video equipment manufacturing	<1	9	16	104
Printed circuit assembly (electronic assembly) manufacturing	<1	109	169	837
Bare printed circuit board manufacturing	<1	59	72	212
Semiconductor and related device manufacturing	<1	361	574	2,649
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	147	185	647
Electronic connector manufacturing	<1	3,495	4,603	15,397
Other electronic component manufacturing	<1	3,505	4,234	10,932

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	5	8	20
Search, detection, and navigation instruments manufacturing	<1	2	3	7
Automatic environmental control manufacturing	<1	4,896	6,445	18,062
Industrial process variable instruments manufacturing	<1	28	39	115
Totalizing fluid meter and counting device manufacturing	<1	11	21	55
Electricity and signal testing instruments manufacturing	<1	11	13	48
Analytical laboratory instrument manufacturing	<1	11,088	17,158	41,700
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	73	103	379
Blank magnetic and optical recording media manufacturing	<1	192	604	3,096
Software and other prerecorded and record reproducing	<1	203	285	848
Electric lamp bulb and part manufacturing	<1	39	60	148
Lighting fixture manufacturing	<1	652	847	2,848
Small electrical appliance manufacturing	<1	312	655	2,856
Household cooking appliance manufacturing	<1	15	33	121
Household refrigerator and home freezer manufacturing	<1	16	35	120
Household laundry equipment manufacturing	<1	49	79	332
Other major household appliance manufacturing	<1	8	17	53
Power, distribution, and specialty transformer manufacturing	<1	177	241	686
Motor and generator manufacturing	<1	522	890	2,701
Switchgear and switchboard apparatus manufacturing	<1	379	637	1,971
Relay and industrial control manufacturing	<1	117	155	483
Storage battery manufacturing	1	121,211	173,218	528,391
Primary battery manufacturing	<1	625	3,951	4,424
Fiber optic cable manufacturing	<1	116	172	846

## Appendix

Other communication and energy wire manufacturing	<1	83	139	747
Wiring device manufacturing	<1	2,586	4,846	15,079
Carbon and graphite product manufacturing	<1	520	782	2,910
All other miscellaneous electrical equipment and component manufacturing	<1	39	46	181
Automobile manufacturing	<1	7,970	17,938	102,588
Light truck and utility vehicle manufacturing	<1	2,230	4,990	41,524
Heavy duty truck manufacturing	<1	23	38	225
Motor vehicle body manufacturing	<1	129	154	721
Truck trailer manufacturing	<1	17	19	96
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,797	2,015	11,793
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,681	2,268	16,526
Motor vehicle electrical and electronic equipment manufacturing	<1	4,103	4,937	26,352
Motor vehicle transmission and power train parts manufacturing	<1	3,966	4,982	31,096
Motor vehicle seating and interior trim manufacturing	<1	3,055	3,348	19,293
Motor vehicle metal stamping	<1	4,074	4,653	20,380
Other motor vehicle parts manufacturing	<1	4,917	5,886	32,878
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,387	3,011	14,549
Aircraft manufacturing	<1	178	322	694
Aircraft engine and engine parts manufacturing	<1	33	91	230
Other aircraft parts and auxiliary equipment manufacturing	<1	197	299	618
Guided missile and space vehicle manufacturing	<1	67	127	232
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	4	7	12
Railroad rolling stock manufacturing	<1	22	25	112
Ship building and repairing	<1	85	133	304
Boat building	<1	4,025	6,647	23,815
Motorcycle, bicycle, and parts manufacturing	<1	21	90	187

Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	4,170	10,821	27,899
All other transportation equipment manufacturing	<1	1,293	3,179	13,876
Wood kitchen cabinet and countertop manufacturing	<1	3,031	3,276	9,225
Upholstered household furniture manufacturing	<1	1,018	1,079	4,066
Nonupholstered wood household furniture manufacturing	<1	317	332	982
Other household nonupholstered furniture manufacturing	<1	103	127	640
Institutional furniture manufacturing	<1	1,309	1,349	4,715
Wood office furniture manufacturing	<1	5	6	22
Custom architectural woodwork and millwork	<1	96	91	292
Office furniture, except wood, manufacturing	<1	23	26	113
Showcase, partition, shelving, and locker manufacturing	<1	432	470	1,654
Mattress manufacturing	<1	77	97	557
Blind and shade manufacturing	<1	2	2	9
Surgical and medical instrument manufacturing	<1	418	566	1,357
Surgical appliance and supplies manufacturing	<1	911	1,473	4,074
Dental equipment and supplies manufacturing	<1	34	48	146
Ophthalmic goods manufacturing	<1	596	929	1,951
Dental laboratories	<1	702	767	1,502
Jewelry and silverware manufacturing	<1	934	1,534	4,408
Sporting and athletic goods manufacturing	<1	1,294	1,709	6,263
Doll, toy, and game manufacturing	<1	276	428	2,270
Office supplies (except paper) manufacturing	<1	14,812	22,450	46,391
Sign manufacturing	<1	2,798	2,620	6,706
Gasket, packing, and sealing device manufacturing	<1	808	887	2,072
Musical instrument manufacturing	<1	122	131	334
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	<1	225	282	959
Burial casket manufacturing	<1	123	169	447
All other miscellaneous manufacturing	<1	1,572	2,051	6,045
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	23,228	50,519	110,539
Wholesale - Professional and commercial equipment and supplies	<1	78,315	120,625	218,367
Wholesale - Household appliances and electrical and electronic goods	<1	29,906	72,265	164,571
Wholesale - Machinery, equipment, and supplies	<1	55,246	102,431	189,826
Wholesale - Other durable goods merchant wholesalers	1	91,221	164,403	360,651
Wholesale - Drugs and druggistsâ€™ sundries	<1	49,654	124,007	282,163
Wholesale - Grocery and related product wholesalers	<1	57,495	87,383	174,714
Wholesale - Petroleum and petroleum products	<1	10,773	123,282	161,967
Wholesale - Other nondurable goods merchant wholesalers	1	120,284	249,838	504,898
Wholesale - Wholesale electronic markets and agents and brokers	1	156,198	178,232	207,598
Retail - Motor vehicle and parts dealers	1	83,292	113,635	167,866
Retail - Furniture and home furnishings stores	<1	33,750	45,011	80,110
Retail - Electronics and appliance stores	<1	35,628	32,415	57,000
Retail - Building material and garden equipment and supplies stores	1	48,394	92,712	138,020
Retail - Food and beverage stores	3	89,895	128,077	225,166
Retail - Health and personal care stores	2	77,074	97,752	148,818
Retail - Gasoline stores	1	41,588	88,118	178,502
Retail - Clothing and clothing accessories stores	1	47,812	70,689	150,863
Retail - Sporting goods, hobby, musical instrument and book stores	1	35,511	45,539	78,190
Retail - General merchandise stores	3	110,525	164,448	289,139
Retail - Miscellaneous store retailers	3	73,256	73,689	135,796
Retail - Nonstore retailers	3	66,326	362,599	600,155
Air transportation	<1	35,367	89,608	182,384



## Appendix

Rail transportation	<1	21,004	76,327	118,314
Water transportation	<1	10,666	20,326	63,892
Truck transportation	2	174,483	291,225	585,982
Transit and ground passenger transportation	2	33,392	53,519	79,073
Pipeline transportation	<1	15,213	30,870	55,583
Scenic and sightseeing transportation and support activities for transportation	2	142,580	128,385	207,099
Couriers and messengers	2	53,266	123,703	151,780
Warehousing and storage	2	92,955	100,790	184,916
Newspaper publishers	<1	11,596	16,865	29,006
Periodical publishers	<1	5,455	6,980	14,718
Book publishers	<1	3,203	6,886	20,735
Directory, mailing list, and other publishers	<1	5,302	10,515	21,017
Greeting card publishing	<1	458	1,223	2,417
Software publishers	<1	102,677	170,623	261,199
Motion picture and video industries	<1	13,717	22,187	70,678
Sound recording industries	<1	1,615	10,949	25,595
Radio and television broadcasting	<1	71,153	91,531	270,335
Cable and other subscription programming	<1	21,326	85,287	285,178
Wired telecommunications carriers	<1	44,406	107,068	230,280
Wireless telecommunications carriers (except satellite)	<1	11,776	117,027	364,309
Satellite, telecommunications resellers, and all other telecommunications	<1	7,720	10,964	42,796
Data processing, hosting, and related services	<1	154,080	286,397	704,365
News syndicates, libraries, archives and all other information services	<1	7,066	11,049	36,904
Internet publishing and broadcasting and web search portals	<1	20,202	52,221	343,640
Nondepository credit intermediation and related activities	1	114,049	125,907	209,081
Securities and commodity contracts intermediation and brokerage	3	349,887	294,210	461,515
Monetary authorities and depository credit intermediation	4	452,659	1,254,192	2,006,028

## Appendix

Other financial investment activities	2	161,958	183,019	360,061
Direct life insurance carriers	<1	36,869	70,208	103,309
Insurance carriers, except direct life	2	158,380	457,484	1,026,055
Insurance agencies, brokerages, and related activities	2	215,587	326,602	768,618
Funds, trusts, and other financial vehicles	<1	28,028	35,462	188,929
Other real estate	20	254,713	1,323,680	3,789,237
Tenant-occupied housing	2	16,931	324,009	360,702
Owner-occupied dwellings	0	0	1,593,834	1,923,493
Automotive equipment rental and leasing	<1	24,892	157,576	184,538
General and consumer goods rental except video tapes and discs	<1	21,492	46,361	68,041
Video tape and disc rental	<1	6,709	11,038	18,399
Commercial and industrial machinery and equipment rental and leasing	4	325,452	1,516,583	1,823,115
Lessors of nonfinancial intangible assets	<1	3,418	141,440	147,921
Legal services	6	630,719	1,239,986	1,618,039
Accounting, tax preparation, bookkeeping, and payroll services	2	232,914	274,475	425,344
Architectural, engineering, and related services	3	265,579	283,484	489,862
Specialized design services	<1	17,592	26,039	49,266
Custom computer programming services	<1	53,764	60,467	82,889
Computer systems design services	1	137,093	136,741	172,575
Other computer related services, including facilities management	<1	69,012	100,574	178,595
Management consulting services	7	735,433	753,654	1,196,075
Environmental and other technical consulting services	<1	61,331	66,269	108,107
Scientific research and development services	115	10,695,199	13,982,648	27,988,457
Advertising, public relations, and related services	2	208,054	288,024	607,394
Photographic services	<1	5,763	12,094	29,735
Veterinary services	<1	19,283	20,986	33,636
Marketing research and all other miscellaneous professional, scientific, and technical services	3	294,477	424,735	976,725
Management of companies and enterprises	8	1,165,759	1,286,661	2,043,113

## Appendix

Office administrative services	2	160,129	66,950	165,398
Facilities support services	<1	9,192	12,704	34,920
Employment services	12	593,706	831,706	1,400,793
Business support services	2	129,644	112,424	184,561
Travel arrangement and reservation services	<1	29,623	48,223	159,739
Investigation and security services	1	60,651	61,780	90,853
Services to buildings	<1	30,299	44,132	95,929
Landscape and horticultural services	2	68,977	85,306	166,429
Other support services	<1	47,265	61,170	123,248
Waste management and remediation services	<1	46,285	74,180	161,257
Elementary and secondary schools	<1	45,034	35,671	43,406
Junior colleges, colleges, universities, and professional schools	12	563,852	699,787	990,201
Other educational services	1	49,006	54,254	107,394
Offices of physicians	4	486,253	489,486	677,723
Offices of dentists	1	82,232	100,337	134,019
Offices of other health practitioners	1	68,672	108,318	138,554
Outpatient care centers	1	87,463	86,601	142,323
Medical and diagnostic laboratories	<1	23,162	39,254	53,250
Home health care services	<1	43,056	43,026	56,988
Other ambulatory health care services	<1	26,863	32,305	48,880
Hospitals	8	773,402	940,588	1,727,505
Nursing and community care facilities	2	104,696	120,553	197,209
Residential mental retardation, mental health, substance abuse and other facilities	1	57,464	59,994	90,221
Individual and family services	6	163,402	147,400	217,671
Child day care services	1	48,802	80,451	104,639
Community food, housing, and other relief services, including rehabilitation services	<1	37,467	35,366	78,254
Performing arts companies	<1	13,747	32,923	51,423
Commercial Sports Except Racing	<1	59,411	69,822	89,017
Racing and Track Operation	<1	2,450	3,784	6,984
Independent artists, writers, and performers	<1	6,953	32,484	39,626

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	12,839	51,671	87,008
Museums, historical sites, zoos, and parks	<1	9,240	12,362	21,229
Amusement parks and arcades	<1	3,505	7,877	9,602
Gambling industries (except casino hotels)	<1	26,327	79,606	107,210
Other amusement and recreation industries	<1	22,061	22,092	33,815
Fitness and recreational sports centers	<1	13,021	18,826	31,159
Bowling centers	<1	2,724	4,233	7,179
Hotels and motels, including casino hotels	<1	22,307	41,478	65,180
Other accommodations	<1	6,341	7,872	10,656
Full-service restaurants	8	242,519	347,767	704,263
Limited-service restaurants	7	170,457	258,446	642,618
All other food and drinking places	5	158,857	222,038	373,011
Automotive repair and maintenance, except car washes	3	166,542	197,351	290,662
Car washes	1	85,414	122,474	186,685
Electronic and precision equipment repair and maintenance	<1	42,470	60,254	95,312
Commercial and industrial machinery and equipment repair and maintenance	<1	71,286	83,460	127,940
Personal and household goods repair and maintenance	<1	17,984	39,053	54,943
Personal care services	1	32,478	27,878	32,848
Death care services	<1	13,831	12,585	16,741
Dry-cleaning and laundry services	<1	26,377	22,859	28,156
Other personal services	1	38,113	49,589	71,358
Religious organizations	2	100,332	80,617	182,319
Grantmaking, giving, and social advocacy organizations	<1	30,761	120,772	167,391
Business and professional associations	<1	37,803	71,177	115,969
Labor and civic organizations	<1	25,234	94,116	155,878
Private households	<1	12,131	12,131	12,131
Postal service	<1	84,849	85,272	85,305
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	5,615	-3,228	2,801
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	4,255	6,005	11,083
Local government passenger transit	<1	22,444	3,822	13,757
Local government electric utilities	<1	10,325	30,085	70,387
Other local government enterprises	<1	78,372	153,418	388,065
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	13	2,028,204	3,346,017	6,081,571

## Moon to Mars Campaign

**Table 701: Detailed M2M Campaign Impacts by Types of Impact, Missouri**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>38</i>	<i>2,947,235</i>	<i>4,524,238</i>	<i>8,428,074</i>
Oilseed farming	<1	7,048	30,006	54,621
Grain farming	<1	2,484	6,866	21,842
Vegetable and melon farming	<1	101	202	469
Fruit farming	<1	97	176	316
Tree nut farming	<1	19	38	74
Greenhouse, nursery, and floriculture production	<1	114	227	583
Tobacco farming	<1	3	4	12

## Appendix

Cotton farming	<1	68	121	294
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	189	338	897
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	594	1,781	4,917
Dairy cattle and milk production	<1	61	147	797
Poultry and egg production	<1	212	553	6,245
Animal production, except cattle and poultry and eggs	<1	2,162	8,625	11,340
Forestry, forest products, and timber tract production	<1	92	100	141
Commercial logging	<1	275	288	470
Commercial fishing	<1	-49	42	42
Commercial hunting and trapping	<1	5	25	54
Support activities for agriculture and forestry	<1	1,578	1,617	1,845
Oil and gas extraction	<1	-10	17	5,145
Coal mining	<1	99	119	161
Copper, nickel, lead, and zinc mining	<1	4,569	5,929	10,512
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	36	36	55
Stone mining and quarrying	<1	854	864	1,846
Sand and gravel mining	<1	302	315	500
Other clay, ceramic, refractory minerals mining	<1	20	21	40
Potash, soda, and borate mineral mining	<1	24	27	44
Phosphate rock mining	<1	9	11	19
Other chemical and fertilizer mineral mining	<1	5	6	10
Other nonmetallic minerals	<1	56	64	115
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	<1	3
Metal mining services	<1	4	6	119
Other nonmetallic minerals services	<1	<1	<1	8
Electric power generation - Hydroelectric	<1	824	2,002	3,620

## Appendix

Electric power generation - Fossil fuel	<1	3,015	11,490	28,395
Electric power generation - Nuclear	<1	1,526	3,279	6,390
Electric power generation - Solar	<1	42	97	165
Electric power generation - Wind	<1	27	256	470
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	114	360	911
Electric power generation - All other	<1	173	-8	64
Electric power transmission and distribution	<1	6,568	24,918	61,539
Natural gas distribution	<1	4,171	16,046	33,073
Water, sewage and other systems	<1	945	2,035	3,565
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,426	12,249	31,136
Maintenance and repair construction of residential structures	<1	2,918	4,135	10,081
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	6	14
Dog and cat food manufacturing	<1	1,294	4,011	9,998
Other animal food manufacturing	<1	329	686	5,133
Flour milling	<1	101	251	1,561

## Appendix

Rice milling	<1	18	37	218
Malt manufacturing	<1	6	16	123
Wet corn milling	<1	439	1,262	6,418
Soybean and other oilseed processing	<1	115	924	7,001
Fats and oils refining and blending	<1	11	37	355
Breakfast cereal manufacturing	<1	317	917	3,450
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	5	8	47
Chocolate and confectionery manufacturing from cacao beans	<1	15	26	178
Confectionery manufacturing from purchased chocolate	<1	62	102	471
Frozen fruits, juices and vegetables manufacturing	<1	192	490	1,585
Frozen specialties manufacturing	<1	372	550	2,123
Canned fruits and vegetables manufacturing	<1	75	170	540
Canned specialties	<1	7	21	77
Dehydrated food products manufacturing	<1	119	249	835
Cheese manufacturing	<1	732	1,128	10,362
Dry, condensed, and evaporated dairy product manufacturing	<1	156	450	2,427
Fluid milk manufacturing	<1	443	826	4,323
Creamery butter manufacturing	<1	65	271	1,331
Ice cream and frozen dessert manufacturing	<1	115	184	773
Frozen cakes and other pastries manufacturing	<1	207	300	616
Poultry processing	<1	870	1,176	5,690
Animal, except poultry, slaughtering	<1	630	817	6,870
Meat processed from carcasses	<1	989	968	7,707
Rendering and meat byproduct processing	<1	53	53	332
Seafood product preparation and packaging	<1	8	14	64
Bread and bakery product, except frozen, manufacturing	<1	644	1,000	2,642
Cookie and cracker manufacturing	<1	175	286	940
Dry pasta, mixes, and dough manufacturing	<1	145	399	1,409
Tortilla manufacturing	<1	19	27	86



## Appendix

Roasted nuts and peanut butter manufacturing	<1	55	94	463
Other snack food manufacturing	<1	58	118	660
Coffee and tea manufacturing	<1	73	158	725
Flavoring syrup and concentrate manufacturing	<1	74	743	1,414
Mayonnaise, dressing, and sauce manufacturing	<1	110	239	889
Spice and extract manufacturing	<1	102	193	850
All other food manufacturing	<1	316	493	1,807
Bottled and canned soft drinks & water	<1	585	1,135	4,263
Manufactured ice	<1	40	33	145
Breweries	<1	1,486	3,124	5,847
Wineries	<1	290	561	2,305
Distilleries	<1	207	916	1,942
Tobacco product manufacturing	<1	90	3,059	4,159
Fiber, yarn, and thread mills	<1	5	6	27
Broadwoven fabric mills	<1	1	<1	4
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	50	45	166
Knit fabric mills	<1	0	2	2
Textile and fabric finishing mills	<1	17	16	67
Fabric coating mills	<1	51	49	158
Carpet and rug mills	<1	12	12	80
Curtain and linen mills	<1	8	8	29
Textile bag and canvas mills	<1	71	68	216
Rope, cordage, twine, tire cord and tire fabric mills	<1	25	25	81
Other textile product mills	<1	135	133	388
Hosiery and sock mills	<1	7	8	21
Other apparel knitting mills	<1	7	8	21
Cut and sew apparel contractors	<1	24	27	53
Men's and boys' cut and sew apparel manufacturing	<1	27	28	73
Women's and girls' cut and sew apparel manufacturing	<1	28	27	122
Other cut and sew apparel manufacturing	<1	17	17	55
Apparel accessories and other apparel manufacturing	<1	50	49	180
Leather and hide tanning and finishing	<1	71	72	239
Footwear manufacturing	<1	28	29	93
Other leather and allied product manufacturing	<1	15	15	45

## Appendix

Sawmills	<1	286	351	2,211
Wood preservation	<1	13	19	150
Veneer and plywood manufacturing	<1	23	27	101
Engineered wood member and truss manufacturing	<1	50	56	263
Reconstituted wood product manufacturing	<1	<1	<1	2
Wood windows and door manufacturing	<1	57	60	236
Cut stock, resawing lumber, and planing	<1	59	73	346
Other millwork, including flooring	<1	290	314	1,231
Wood container and pallet manufacturing	<1	368	380	1,154
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	23	25	114
All other miscellaneous wood product manufacturing	<1	83	84	382
Pulp mills	<1	1	2	9
Paper mills	<1	270	688	2,247
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1,115	2,007	7,504
Paper bag and coated and treated paper manufacturing	<1	223	404	1,225
Stationery product manufacturing	<1	64	90	308
Sanitary paper product manufacturing	<1	129	476	1,028
All other converted paper product manufacturing	<1	486	956	2,211
Printing	<1	5,010	9,102	16,096
Support activities for printing	<1	312	559	767
Petroleum refineries	<1	89	646	4,721
Asphalt paving mixture and block manufacturing	<1	122	170	686
Asphalt shingle and coating materials manufacturing	<1	99	298	746
Petroleum lubricating oil and grease manufacturing	<1	450	1,020	2,751
All other petroleum and coal products manufacturing	<1	19	49	124
Petrochemical manufacturing	<1	7	100	308
Industrial gas manufacturing	<1	85	290	944

## Appendix

Synthetic dye and pigment manufacturing	<1	11	23	72
Other basic inorganic chemical manufacturing	<1	142	355	1,074
Other basic organic chemical manufacturing	<1	415	1,147	7,992
Plastics material and resin manufacturing	<1	123	250	1,681
Synthetic rubber manufacturing	<1	1	1	9
Artificial and synthetic fibers and filaments manufacturing	<1	2	6	33
Nitrogenous fertilizer manufacturing	<1	56	227	669
Phosphatic fertilizer manufacturing	<1	1	4	8
Fertilizer mixing	<1	8	19	47
Pesticide and other agricultural chemical manufacturing	<1	294	1,163	3,928
Medicinal and botanical manufacturing	<1	149	252	671
Pharmaceutical preparation manufacturing	<1	1,015	3,000	7,549
In-vitro diagnostic substance manufacturing	<1	72	107	261
Biological product (except diagnostic) manufacturing	<1	521	1,559	3,109
Paint and coating manufacturing	<1	178	400	1,477
Adhesive manufacturing	<1	178	312	1,197
Soap and other detergent manufacturing	<1	1,050	3,182	9,113
Polish and other sanitation good manufacturing	<1	927	1,659	4,223
Surface active agent manufacturing	<1	36	159	399
Toilet preparation manufacturing	<1	155	510	1,303
Printing ink manufacturing	<1	27	29	103
Explosives manufacturing	<1	32	38	123
Custom compounding of purchased resins	<1	35	75	211
Photographic film and chemical manufacturing	<1	101	238	614
Other miscellaneous chemical product manufacturing	<1	196	341	1,440
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	309	479	1,960
Unlaminated plastics profile shape manufacturing	<1	108	226	742
Plastics pipe and pipe fitting manufacturing	<1	44	113	391

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	39	63	238
Polystyrene foam product manufacturing	<1	88	151	647
Urethane and other foam product (except polystyrene) manufacturing	<1	127	208	888
Plastics bottle manufacturing	<1	104	156	774
Other plastics product manufacturing	<1	1,567	2,300	8,049
Tire manufacturing	<1	153	202	862
Rubber and plastics hoses and belting manufacturing	<1	95	147	594
Other rubber product manufacturing	<1	337	421	1,565
Pottery, ceramics, and plumbing fixture manufacturing	<1	42	72	138
Brick, tile, and other structural clay product manufacturing	<1	89	162	370
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	321	583	1,130
Glass container manufacturing	<1	85	150	363
Glass product manufacturing made of purchased glass	<1	34	66	178
Cement manufacturing	<1	117	294	801
Ready-mix concrete manufacturing	<1	498	871	3,057
Concrete block and brick manufacturing	<1	84	162	442
Concrete pipe manufacturing	<1	11	20	54
Other concrete product manufacturing	<1	169	267	707
Lime manufacturing	<1	53	121	314
Gypsum product manufacturing	<1	20	63	147
Abrasive product manufacturing	<1	21	50	96
Cut stone and stone product manufacturing	<1	160	219	518
Ground or treated mineral and earth manufacturing	<1	71	180	424
Mineral wool manufacturing	<1	29	85	204
Miscellaneous nonmetallic mineral products manufacturing	<1	22	54	129
Iron and steel mills and ferroalloy manufacturing	<1	63	104	738
Iron, steel pipe and tube manufacturing from purchased steel	<1	15	22	157

## Appendix

Rolled steel shape manufacturing	<1	21	39	242
Steel wire drawing	<1	49	67	444
Alumina refining and primary aluminum production	<1	18	24	176
Secondary smelting and alloying of aluminum	<1	24	34	471
Aluminum sheet, plate, and foil manufacturing	<1	3	4	34
Other aluminum rolling, drawing and extruding	<1	21	25	163
Nonferrous metal (exc aluminum) smelting and refining	<1	4	11	78
Copper rolling, drawing, extruding and alloying	<1	220	299	2,373
Nonferrous metal, except copper and aluminum, shaping	<1	10	11	47
Secondary processing of other nonferrous metals	<1	2	3	27
Ferrous metal foundries	<1	11	13	47
Nonferrous metal foundries	<1	214	235	659
Custom roll forming	<1	11	14	86
Crown and closure manufacturing and metal stamping	<1	106	131	416
Iron and steel forging	<1	26	33	135
Nonferrous forging	<1	7	9	34
Cutlery, utensil, pot, and pan manufacturing	<1	5	10	46
Handtool manufacturing	<1	34	50	141
Prefabricated metal buildings and components manufacturing	<1	60	80	337
Fabricated structural metal manufacturing	<1	249	343	1,247
Plate work manufacturing	<1	66	74	259
Metal window and door manufacturing	<1	359	470	1,569
Sheet metal work manufacturing	<1	332	419	1,210
Ornamental and architectural metal work manufacturing	<1	116	134	401
Power boiler and heat exchanger manufacturing	<1	7	8	26
Metal tank (heavy gauge) manufacturing	<1	69	82	276
Metal cans manufacturing	<1	47	78	517
Metal barrels, drums and pails manufacturing	<1	32	40	208
Hardware manufacturing	<1	15	20	84
Spring and wire product manufacturing	<1	104	130	490

## Appendix

Machine shops	<1	529	603	1,410
Turned product and screw, nut, and bolt manufacturing	<1	66	81	271
Metal heat treating	<1	77	96	243
Metal coating and nonprecious engraving	<1	77	122	366
Electroplating, anodizing, and coloring metal	<1	167	180	439
Valve and fittings, other than plumbing, manufacturing	<1	129	178	616
Plumbing fixture fitting and trim manufacturing	<1	107	209	971
Ball and roller bearing manufacturing	<1	37	55	191
Small arms ammunition manufacturing	<1	1,367	2,683	6,475
Ammunition, except for small arms, manufacturing	<1	3	3	7
Small arms, ordnance, and accessories manufacturing	<1	60	109	374
Fabricated pipe and pipe fitting manufacturing	<1	33	39	118
Other fabricated metal manufacturing	<1	499	620	1,845
Farm machinery and equipment manufacturing	<1	9	15	96
Lawn and garden equipment manufacturing	<1	11	17	103
Construction machinery manufacturing	<1	22	42	122
Mining machinery and equipment manufacturing	<1	3	4	13
Oil and gas field machinery and equipment manufacturing	<1	1	1	4
Semiconductor machinery manufacturing	<1	2	2	8
Food product machinery manufacturing	<1	2	2	5
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	<1	<1	3
All other industrial machinery manufacturing	<1	4	5	15
Optical instrument and lens manufacturing	<1	14	17	53
Photographic and photocopying equipment manufacturing	<1	2	2	9
Other commercial service industry machinery manufacturing	<1	38	52	198

## Appendix

Air purification and ventilation equipment manufacturing	<1	35	41	127
Heating equipment (except warm air furnaces) manufacturing	<1	55	73	237
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	392	544	2,030
Industrial mold manufacturing	<1	38	42	98
Special tool, die, jig, and fixture manufacturing	<1	36	42	89
Cutting tool and machine tool accessory manufacturing	<1	3	3	10
Machine tool manufacturing	<1	12	14	49
Rolling mill and other metalworking machinery manufacturing	<1	2	3	9
Turbine and turbine generator set units manufacturing	<1	1	1	4
Speed changer, industrial high-speed drive, and gear manufacturing	<1	34	40	130
Mechanical power transmission equipment manufacturing	<1	15	19	52
Other engine equipment manufacturing	<1	308	537	3,522
Pump and pumping equipment manufacturing	<1	5	7	23
Air and gas compressor manufacturing	<1	3	3	12
Elevator and moving stairway manufacturing	<1	5	5	19
Conveyor and conveying equipment manufacturing	<1	4	5	12
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	5
Industrial truck, trailer, and stacker manufacturing	<1	2	2	9
Power-driven handtool manufacturing	<1	5	9	26
Welding and soldering equipment manufacturing	<1	5	7	20
Packaging machinery manufacturing	<1	7	9	26
Industrial process furnace and oven manufacturing	<1	4	4	12
Fluid power cylinder and actuator manufacturing	<1	1	1	5
Fluid power pump and motor manufacturing	<1	4	4	18

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	14	15	54
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	<1	2	4	12
Computer terminals and other computer peripheral equipment manufacturing	<1	9	13	47
Telephone apparatus manufacturing	<1	<1	2	7
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	55	86	296
Audio and video equipment manufacturing	<1	1	2	15
Printed circuit assembly (electronic assembly) manufacturing	<1	17	25	126
Bare printed circuit board manufacturing	<1	6	7	21
Semiconductor and related device manufacturing	<1	31	50	229
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	18	22	76
Electronic connector manufacturing	<1	351	465	1,553
Other electronic component manufacturing	<1	531	644	1,634
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	2
Search, detection, and navigation instruments manufacturing	<1	<1	<1	1
Automatic environmental control manufacturing	<1	657	870	2,404
Industrial process variable instruments manufacturing	<1	3	4	12
Totalizing fluid meter and counting device manufacturing	<1	<1	2	5
Electricity and signal testing instruments manufacturing	<1	12	15	53
Analytical laboratory instrument manufacturing	<1	11,600	18,181	43,388
Irradiation apparatus manufacturing	0	0	0	0



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	1	2	6
Blank magnetic and optical recording media manufacturing	<1	28	85	423
Software and other prerecorded and record reproducing	<1	27	38	110
Electric lamp bulb and part manufacturing	<1	5	8	19
Lighting fixture manufacturing	<1	84	109	353
Small electrical appliance manufacturing	<1	35	72	317
Household cooking appliance manufacturing	<1	<1	3	11
Household refrigerator and home freezer manufacturing	<1	<1	4	10
Household laundry equipment manufacturing	<1	4	8	29
Other major household appliance manufacturing	<1	<1	1	5
Power, distribution, and specialty transformer manufacturing	<1	21	28	81
Motor and generator manufacturing	<1	60	102	308
Switchgear and switchboard apparatus manufacturing	<1	42	71	216
Relay and industrial control manufacturing	<1	18	25	77
Storage battery manufacturing	<1	410	619	2,005
Primary battery manufacturing	<1	78	513	540
Fiber optic cable manufacturing	<1	14	20	96
Other communication and energy wire manufacturing	<1	6	11	57
Wiring device manufacturing	<1	276	529	1,625
Carbon and graphite product manufacturing	<1	44	65	243
All other miscellaneous electrical equipment and component manufacturing	<1	2	3	11
Automobile manufacturing	<1	800	1,702	9,616
Light truck and utility vehicle manufacturing	<1	218	467	3,796
Heavy duty truck manufacturing	<1	2	3	18
Motor vehicle body manufacturing	<1	12	14	69
Truck trailer manufacturing	<1	2	2	9
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	148	165	970

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	151	204	1,482
Motor vehicle electrical and electronic equipment manufacturing	<1	363	439	2,245
Motor vehicle transmission and power train parts manufacturing	<1	451	557	3,356
Motor vehicle seating and interior trim manufacturing	<1	237	262	1,484
Motor vehicle metal stamping	<1	283	330	1,419
Other motor vehicle parts manufacturing	<1	452	533	2,994
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	213	274	1,321
Aircraft manufacturing	<1	15	26	57
Aircraft engine and engine parts manufacturing	<1	3	9	21
Other aircraft parts and auxiliary equipment manufacturing	<1	19	28	59
Guided missile and space vehicle manufacturing	<1	5	11	19
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	1
Railroad rolling stock manufacturing	<1	3	3	15
Ship building and repairing	<1	9	13	30
Boat building	<1	344	559	2,015
Motorcycle, bicycle, and parts manufacturing	<1	2	7	15
Military armored vehicle, tank, and tank component manufacturing	<1	380	930	2,346
All other transportation equipment manufacturing	<1	101	236	1,046
Wood kitchen cabinet and countertop manufacturing	<1	292	307	864
Upholstered household furniture manufacturing	<1	123	130	493
Nonupholstered wood household furniture manufacturing	<1	34	35	103
Other household nonupholstered furniture manufacturing	<1	11	14	67
Institutional furniture manufacturing	<1	2	2	8
Wood office furniture manufacturing	<1	<1	<1	2

## Appendix

Custom architectural woodwork and millwork	<1	10	10	31
Office furniture, except wood, manufacturing	<1	3	3	14
Showcase, partition, shelving, and locker manufacturing	<1	43	45	159
Mattress manufacturing	<1	8	10	57
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	45	62	143
Surgical appliance and supplies manufacturing	<1	104	169	455
Dental equipment and supplies manufacturing	<1	4	5	15
Ophthalmic goods manufacturing	<1	62	98	205
Dental laboratories	<1	82	90	175
Jewelry and silverware manufacturing	<1	96	158	451
Sporting and athletic goods manufacturing	<1	133	177	628
Doll, toy, and game manufacturing	<1	31	50	252
Office supplies (except paper) manufacturing	<1	120	163	434
Sign manufacturing	<1	255	240	607
Gasket, packing, and sealing device manufacturing	<1	79	86	200
Musical instrument manufacturing	<1	18	19	49
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	43	58	183
Burial casket manufacturing	<1	9	12	31
All other miscellaneous manufacturing	<1	158	205	597
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,390	5,231	11,472
Wholesale - Professional and commercial equipment and supplies	<1	8,375	12,961	23,309
Wholesale - Household appliances and electrical and electronic goods	<1	3,336	8,065	18,369
Wholesale - Machinery, equipment, and supplies	<1	4,865	9,037	16,738
Wholesale - Other durable goods merchant wholesalers	<1	7,448	13,461	29,551

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	5,073	12,646	28,461
Wholesale - Grocery and related product wholesalers	<1	5,868	8,889	17,764
Wholesale - Petroleum and petroleum products	<1	928	12,473	16,005
Wholesale - Other nondurable goods merchant wholesalers	<1	12,131	26,119	51,807
Wholesale - Wholesale electronic markets and agents and brokers	<1	9,021	10,253	11,936
Retail - Motor vehicle and parts dealers	<1	8,254	11,298	16,611
Retail - Furniture and home furnishings stores	<1	3,382	4,527	8,006
Retail - Electronics and appliance stores	<1	3,585	3,287	5,676
Retail - Building material and garden equipment and supplies stores	<1	4,631	8,893	13,170
Retail - Food and beverage stores	<1	9,347	13,324	23,273
Retail - Health and personal care stores	<1	7,789	9,907	14,943
Retail - Gasoline stores	<1	4,159	8,589	17,009
Retail - Clothing and clothing accessories stores	<1	4,887	7,201	15,118
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,595	4,607	7,821
Retail - General merchandise stores	<1	10,898	16,281	28,364
Retail - Miscellaneous store retailers	<1	7,335	7,408	13,454
Retail - Nonstore retailers	<1	6,532	36,579	60,433
Air transportation	<1	2,793	7,247	14,495
Rail transportation	<1	1,839	5,920	9,768
Water transportation	<1	974	1,916	5,682
Truck transportation	<1	14,787	24,552	49,038
Transit and ground passenger transportation	<1	4,222	6,745	9,470
Pipeline transportation	<1	739	2,001	3,718
Scenic and sightseeing transportation and support activities for transportation	<1	14,269	12,695	20,451
Couriers and messengers	<1	5,497	12,617	15,451
Warehousing and storage	<1	9,519	10,366	18,885
Newspaper publishers	<1	1,243	1,954	3,207
Periodical publishers	<1	688	991	1,914
Book publishers	<1	363	874	2,478

## Appendix

Directory, mailing list, and other publishers	<1	501	1,055	2,093
Greeting card publishing	<1	42	122	235
Software publishers	<1	7,382	12,730	19,597
Motion picture and video industries	<1	1,577	2,571	7,726
Sound recording industries	<1	187	1,292	2,885
Radio and television broadcasting	<1	7,517	9,692	26,633
Cable and other subscription programming	<1	2,475	10,097	31,895
Wired telecommunications carriers	<1	4,513	11,218	23,742
Wireless telecommunications carriers (except satellite)	<1	1,127	12,359	36,764
Satellite, telecommunications resellers, and all other telecommunications	<1	768	1,068	4,220
Data processing, hosting, and related services	<1	15,429	28,685	69,346
News syndicates, libraries, archives and all other information services	<1	802	1,266	4,072
Internet publishing and broadcasting and web search portals	<1	2,193	5,709	36,395
Nondepository credit intermediation and related activities	<1	11,820	13,080	21,269
Securities and commodity contracts intermediation and brokerage	<1	37,970	30,958	44,999
Monetary authorities and depository credit intermediation	<1	41,098	121,362	187,399
Other financial investment activities	<1	19,690	22,133	39,695
Direct life insurance carriers	<1	3,463	6,665	9,698
Insurance carriers, except direct life	<1	15,532	45,015	98,956
Insurance agencies, brokerages, and related activities	<1	20,624	31,105	72,654
Funds, trusts, and other financial vehicles	<1	3,166	4,173	19,743
Other real estate	2	26,784	135,066	373,497
Tenant-occupied housing	<1	1,774	34,631	38,309
Owner-occupied dwellings	0	0	163,287	197,061
Automotive equipment rental and leasing	<1	2,335	15,209	17,457

## Appendix

General and consumer goods rental except video tapes and discs	<1	2,169	4,679	6,793
Video tape and disc rental	<1	657	1,088	1,815
Commercial and industrial machinery and equipment rental and leasing	<1	8,344	39,170	47,585
Lessors of nonfinancial intangible assets	<1	308	13,744	14,324
Legal services	<1	58,804	118,645	152,577
Accounting, tax preparation, bookkeeping, and payroll services	<1	23,273	27,884	42,414
Architectural, engineering, and related services	<1	24,500	26,338	45,121
Specialized design services	<1	1,814	2,741	5,036
Custom computer programming services	<1	6,217	6,968	9,510
Computer systems design services	<1	14,342	14,314	17,935
Other computer related services, including facilities management	<1	7,626	11,055	19,503
Management consulting services	<1	65,822	67,598	105,291
Environmental and other technical consulting services	<1	6,272	6,830	10,980
Scientific research and development services	11	1,050,108	1,370,448	2,674,874
Advertising, public relations, and related services	<1	21,464	30,199	62,146
Photographic services	<1	531	1,172	2,767
Veterinary services	<1	1,957	2,150	3,395
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	30,338	44,623	100,899
Management of companies and enterprises	<1	114,548	127,222	199,314
Office administrative services	<1	18,410	8,250	18,844
Facilities support services	<1	1,032	1,450	3,778
Employment services	1	58,496	83,527	135,090
Business support services	<1	11,719	10,312	16,356
Travel arrangement and reservation services	<1	3,113	5,126	16,138
Investigation and security services	<1	6,082	6,204	8,960
Services to buildings	<1	9,399	13,680	28,825
Landscape and horticultural services	<1	6,914	8,647	16,457
Other support services	<1	4,709	6,149	12,114
Waste management and remediation services	<1	4,428	7,085	15,314

## Appendix

Elementary and secondary schools	<1	5,299	4,178	5,034
Junior colleges, colleges, universities, and professional schools	3	111,751	137,927	196,992
Other educational services	<1	4,042	4,494	8,785
Offices of physicians	<1	48,855	49,285	68,087
Offices of dentists	<1	8,359	10,365	13,750
Offices of other health practitioners	<1	6,721	10,950	13,892
Outpatient care centers	<1	9,260	9,201	15,143
Medical and diagnostic laboratories	<1	2,410	4,232	5,638
Home health care services	<1	4,533	4,542	6,029
Other ambulatory health care services	<1	2,728	3,328	4,993
Hospitals	<1	86,060	105,383	193,432
Nursing and community care facilities	<1	11,396	13,130	21,140
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,749	7,051	10,462
Individual and family services	<1	18,299	16,718	24,442
Child day care services	<1	5,197	8,880	11,368
Community food, housing, and other relief services, including rehabilitation services	<1	4,460	4,226	9,138
Performing arts companies	<1	1,569	3,711	5,508
Commercial Sports Except Racing	<1	6,008	7,371	9,217
Racing and Track Operation	<1	282	420	746
Independent artists, writers, and performers	<1	786	3,553	4,245
Promoters of performing arts and sports and agents for public figures	<1	1,483	5,738	9,160
Museums, historical sites, zoos, and parks	<1	1,032	1,377	2,309
Amusement parks and arcades	<1	404	890	1,079
Gambling industries (except casino hotels)	<1	2,820	8,601	11,469
Other amusement and recreation industries	<1	2,272	2,275	3,437
Fitness and recreational sports centers	<1	1,428	2,066	3,347
Bowling centers	<1	276	433	723
Hotels and motels, including casino hotels	<1	2,478	4,493	7,047
Other accommodations	<1	809	997	1,338

## Appendix

Full-service restaurants	<1	24,489	34,972	70,223
Limited-service restaurants	<1	17,506	26,393	64,485
All other food and drinking places	<1	16,543	22,869	37,879
Automotive repair and maintenance, except car washes	<1	16,912	19,514	28,692
Car washes	<1	8,529	12,204	18,531
Electronic and precision equipment repair and maintenance	<1	4,003	5,729	8,887
Commercial and industrial machinery and equipment repair and maintenance	<1	6,360	7,390	11,201
Personal and household goods repair and maintenance	<1	1,830	3,740	5,304
Personal care services	<1	3,357	2,619	3,140
Death care services	<1	1,533	1,284	1,729
Dry-cleaning and laundry services	<1	2,678	2,117	2,647
Other personal services	<1	3,889	4,923	7,097
Religious organizations	<1	11,945	8,466	20,490
Grantmaking, giving, and social advocacy organizations	<1	3,876	13,361	18,863
Business and professional associations	<1	4,042	6,944	11,371
Labor and civic organizations	<1	3,020	9,883	16,789
Private households	<1	1,306	1,306	1,306
Postal service	<1	8,480	8,525	8,528
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	636	-405	326
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	287	378	688
Local government passenger transit	<1	2,481	250	1,222
Local government electric utilities	<1	935	2,499	5,865
Other local government enterprises	<1	7,898	13,025	35,397
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	344,109	506,658	927,172

## Investments in Climate Change Research and Technology

**Table 702: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>100</i>	<i>7,234,453</i>	<i>11,213,012</i>	<i>21,855,067</i>
Oilseed farming	<1	10,291	35,071	60,621
Grain farming	<1	6,701	12,706	56,034
Vegetable and melon farming	<1	274	513	1,223
Fruit farming	<1	236	417	772
Tree nut farming	<1	42	77	151
Greenhouse, nursery, and floriculture production	<1	357	665	1,764
Tobacco farming	<1	3	4	11
Cotton farming	<1	440	746	1,927
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	714	1,199	3,258
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	2,723	6,539	19,843
Dairy cattle and milk production	<1	155	333	2,035
Poultry and egg production	<1	783	1,797	23,588
Animal production, except cattle and poultry and eggs	<1	7,875	24,117	32,132
Forestry, forest products, and timber tract production	<1	236	257	382

Appendix

Commercial logging	<1	975	1,008	1,728
Commercial fishing	<1	-38	112	113
Commercial hunting and trapping	<1	8	73	164
Support activities for agriculture and forestry	<1	5,781	5,846	6,575
Oil and gas extraction	<1	-50	74	20,598
Coal mining	<1	761	906	1,242
Copper, nickel, lead, and zinc mining	<1	12,488	14,113	26,263
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	175	176	272
Stone mining and quarrying	<1	2,687	3,113	6,550
Sand and gravel mining	<1	894	975	1,581
Other clay, ceramic, refractory minerals mining	<1	70	79	148
Potash, soda, and borate mineral mining	<1	77	86	142
Phosphate rock mining	<1	28	32	58
Other chemical and fertilizer mineral mining	<1	38	41	73
Other nonmetallic minerals	<1	184	216	380
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	2	3	12
Metal mining services	<1	21	33	627
Other nonmetallic minerals services	<1	<1	1	34
Electric power generation - Hydroelectric	<1	1,680	4,147	7,475
Electric power generation - Fossil fuel	<1	6,778	30,160	74,718
Electric power generation - Nuclear	<1	3,815	8,551	17,156
Electric power generation - Solar	<1	101	241	414
Electric power generation - Wind	<1	121	1,274	2,403
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	220	698	1,705
Electric power generation - All other	<1	407	-49	223
Electric power transmission and distribution	<1	18,498	76,690	191,299

## Appendix

Natural gas distribution	<1	9,740	38,777	82,158
Water, sewage and other systems	<1	2,459	5,702	10,512
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	21,176	21,657	45,897
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	24,979	35,264	93,587
Maintenance and repair construction of residential structures	<1	7,482	10,372	26,270
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	14	38
Dog and cat food manufacturing	<1	3,945	11,841	31,226
Other animal food manufacturing	<1	1,107	2,193	17,050
Flour milling	<1	363	890	5,379
Rice milling	<1	55	114	647
Malt manufacturing	<1	15	31	246
Wet corn milling	<1	1,530	3,758	23,256
Soybean and other oilseed processing	<1	302	2,366	18,954
Fats and oils refining and blending	<1	27	87	843
Breakfast cereal manufacturing	<1	633	1,849	7,538
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	13	20	122

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	25	41	299
Confectionery manufacturing from purchased chocolate	<1	166	265	1,252
Frozen fruits, juices and vegetables manufacturing	<1	490	1,175	4,154
Frozen specialties manufacturing	<1	1,094	1,630	6,274
Canned fruits and vegetables manufacturing	<1	176	387	1,262
Canned specialties	<1	23	61	227
Dehydrated food products manufacturing	<1	252	528	1,788
Cheese manufacturing	<1	1,492	2,314	20,828
Dry, condensed, and evaporated dairy product manufacturing	<1	407	1,166	6,433
Fluid milk manufacturing	<1	1,009	1,805	9,688
Creamery butter manufacturing	<1	178	749	3,638
Ice cream and frozen dessert manufacturing	<1	293	457	2,015
Frozen cakes and other pastries manufacturing	<1	543	789	1,646
Poultry processing	<1	3,768	4,860	23,490
Animal, except poultry, slaughtering	<1	2,054	2,617	21,673
Meat processed from carcasses	<1	2,722	2,646	21,255
Rendering and meat byproduct processing	<1	164	163	999
Seafood product preparation and packaging	<1	24	36	186
Bread and bakery product, except frozen, manufacturing	<1	1,684	2,596	6,892
Cookie and cracker manufacturing	<1	380	584	2,216
Dry pasta, mixes, and dough manufacturing	<1	353	966	3,304
Tortilla manufacturing	<1	59	85	273
Roasted nuts and peanut butter manufacturing	<1	143	238	1,215
Other snack food manufacturing	<1	166	333	1,943
Coffee and tea manufacturing	<1	190	396	1,858
Flavoring syrup and concentrate manufacturing	<1	237	2,210	4,465
Mayonnaise, dressing, and sauce manufacturing	<1	305	676	2,457
Spice and extract manufacturing	<1	220	399	1,785
All other food manufacturing	<1	783	1,208	4,441
Bottled and canned soft drinks & water	<1	1,889	3,583	13,471
Manufactured ice	<1	108	87	418

## Appendix

Breweries	<1	3,560	7,114	13,437
Wineries	<1	645	1,234	5,190
Distilleries	<1	661	2,535	5,578
Tobacco product manufacturing	<1	253	6,148	9,336
Fiber, yarn, and thread mills	<1	16	16	71
Broadwoven fabric mills	<1	4	4	11
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	83	70	297
Knit fabric mills	<1	2	2	5
Textile and fabric finishing mills	<1	30	29	124
Fabric coating mills	<1	97	95	336
Carpet and rug mills	<1	36	35	265
Curtain and linen mills	<1	21	20	83
Textile bag and canvas mills	<1	224	207	693
Rope, cordage, twine, tire cord and tire fabric mills	<1	109	97	355
Other textile product mills	<1	401	382	1,195
Hosiery and sock mills	<1	21	22	63
Other apparel knitting mills	<1	22	25	71
Cut and sew apparel contractors	<1	71	78	163
Men's and boys' cut and sew apparel manufacturing	<1	58	59	167
Women's and girls' cut and sew apparel manufacturing	<1	60	54	284
Other cut and sew apparel manufacturing	<1	32	33	113
Apparel accessories and other apparel manufacturing	<1	120	114	480
Leather and hide tanning and finishing	<1	222	205	739
Footwear manufacturing	<1	85	87	327
Other leather and allied product manufacturing	<1	45	44	139
Sawmills	<1	1,163	1,463	9,021
Wood preservation	<1	63	93	687
Veneer and plywood manufacturing	<1	105	127	457
Engineered wood member and truss manufacturing	<1	163	187	871
Reconstituted wood product manufacturing	<1	1	2	12
Wood windows and door manufacturing	<1	202	215	863
Cut stock, resawing lumber, and planing	<1	205	272	1,229

Appendix

Other millwork, including flooring	<1	899	1,023	3,988
Wood container and pallet manufacturing	<1	1,035	1,103	3,357
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	100	112	514
All other miscellaneous wood product manufacturing	<1	208	229	1,100
Pulp mills	<1	8	14	52
Paper mills	<1	828	2,714	7,595
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	3,864	7,164	26,117
Paper bag and coated and treated paper manufacturing	<1	630	1,238	3,838
Stationery product manufacturing	<1	156	227	839
Sanitary paper product manufacturing	<1	454	1,743	3,609
All other converted paper product manufacturing	<1	1,263	2,688	5,990
Printing	<1	13,222	23,074	43,955
Support activities for printing	<1	734	1,288	1,846
Petroleum refineries	<1	330	2,175	16,769
Asphalt paving mixture and block manufacturing	<1	406	542	2,365
Asphalt shingle and coating materials manufacturing	<1	297	781	2,155
Petroleum lubricating oil and grease manufacturing	<1	1,155	2,648	7,796
All other petroleum and coal products manufacturing	<1	84	214	631
Petrochemical manufacturing	<1	57	689	2,484
Industrial gas manufacturing	<1	372	1,119	3,870
Synthetic dye and pigment manufacturing	<1	144	265	799
Other basic inorganic chemical manufacturing	<1	1,292	2,799	8,991
Other basic organic chemical manufacturing	<1	2,101	5,107	36,355
Plastics material and resin manufacturing	<1	639	1,110	7,724
Synthetic rubber manufacturing	<1	5	7	39
Artificial and synthetic fibers and filaments manufacturing	<1	8	12	74
Nitrogenous fertilizer manufacturing	<1	119	445	1,641

## Appendix

Phosphatic fertilizer manufacturing	<1	5	14	32
Fertilizer mixing	<1	29	60	164
Pesticide and other agricultural chemical manufacturing	<1	1,101	3,840	13,334
Medicinal and botanical manufacturing	<1	277	462	1,331
Pharmaceutical preparation manufacturing	<1	2,462	6,569	17,837
In-vitro diagnostic substance manufacturing	<1	110	167	402
Biological product (except diagnostic) manufacturing	<1	792	2,564	5,441
Paint and coating manufacturing	<1	561	1,126	4,278
Adhesive manufacturing	<1	440	729	2,940
Soap and other detergent manufacturing	<1	2,530	7,066	23,574
Polish and other sanitation good manufacturing	<1	3,041	5,302	14,103
Surface active agent manufacturing	<1	118	503	1,320
Toilet preparation manufacturing	<1	410	1,234	3,316
Printing ink manufacturing	<1	77	85	294
Explosives manufacturing	<1	102	117	375
Custom compounding of purchased resins	<1	50	83	272
Photographic film and chemical manufacturing	<1	259	590	1,657
Other miscellaneous chemical product manufacturing	<1	700	1,142	4,778
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	980	1,519	6,500
Unlaminated plastics profile shape manufacturing	<1	340	708	2,445
Plastics pipe and pipe fitting manufacturing	<1	140	352	1,217
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	171	270	1,069
Polystyrene foam product manufacturing	<1	290	484	2,183
Urethane and other foam product (except polystyrene) manufacturing	<1	402	649	2,871
Plastics bottle manufacturing	<1	292	438	2,249
Other plastics product manufacturing	<1	5,987	8,489	31,438
Tire manufacturing	<1	437	545	2,472

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	397	602	2,466
Other rubber product manufacturing	<1	1,118	1,384	5,081
Pottery, ceramics, and plumbing fixture manufacturing	<1	112	191	372
Brick, tile, and other structural clay product manufacturing	<1	301	577	1,278
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	1,064	1,908	3,733
Glass container manufacturing	<1	252	440	1,063
Glass product manufacturing made of purchased glass	<1	128	261	683
Cement manufacturing	<1	346	914	2,433
Ready-mix concrete manufacturing	<1	1,678	3,068	10,497
Concrete block and brick manufacturing	<1	260	524	1,399
Concrete pipe manufacturing	<1	82	151	394
Other concrete product manufacturing	<1	778	1,279	3,252
Lime manufacturing	<1	229	584	1,413
Gypsum product manufacturing	<1	60	201	465
Abrasive product manufacturing	<1	53	134	251
Cut stone and stone product manufacturing	<1	490	686	1,612
Ground or treated mineral and earth manufacturing	<1	225	628	1,426
Mineral wool manufacturing	<1	88	280	675
Miscellaneous nonmetallic mineral products manufacturing	<1	85	234	564
Iron and steel mills and ferroalloy manufacturing	<1	443	737	5,385
Iron, steel pipe and tube manufacturing from purchased steel	<1	131	196	1,353
Rolled steel shape manufacturing	<1	166	325	1,921
Steel wire drawing	<1	146	208	1,347
Alumina refining and primary aluminum production	<1	48	62	461
Secondary smelting and alloying of aluminum	<1	188	277	3,897
Aluminum sheet, plate, and foil manufacturing	<1	8	15	99
Other aluminum rolling, drawing and extruding	<1	53	65	425
Nonferrous metal (exc aluminum) smelting and refining	<1	1,486	5,246	33,101



## Appendix

Copper rolling, drawing, extruding and alloying	<1	6,110	8,953	74,496
Nonferrous metal, except copper and aluminum, shaping	<1	305	339	1,497
Secondary processing of other nonferrous metals	<1	765	1,123	9,666
Ferrous metal foundries	<1	40	50	175
Nonferrous metal foundries	<1	638	717	2,037
Custom roll forming	<1	30	41	238
Crown and closure manufacturing and metal stamping	<1	378	466	1,519
Iron and steel forging	<1	215	275	1,174
Nonferrous forging	<1	49	58	239
Cutlery, utensil, pot, and pan manufacturing	<1	11	21	104
Handtool manufacturing	<1	1,260	1,825	4,997
Prefabricated metal buildings and components manufacturing	<1	285	398	1,618
Fabricated structural metal manufacturing	<1	1,249	1,701	6,301
Plate work manufacturing	<1	249	276	1,008
Metal window and door manufacturing	<1	933	1,210	4,246
Sheet metal work manufacturing	<1	637	812	2,450
Ornamental and architectural metal work manufacturing	<1	365	427	1,322
Power boiler and heat exchanger manufacturing	<1	23	29	91
Metal tank (heavy gauge) manufacturing	<1	172	201	717
Metal cans manufacturing	<1	183	307	2,062
Metal barrels, drums and pails manufacturing	<1	123	154	821
Hardware manufacturing	<1	47	64	274
Spring and wire product manufacturing	<1	338	420	1,608
Machine shops	<1	1,671	1,906	4,530
Turned product and screw, nut, and bolt manufacturing	<1	363	442	1,520
Metal heat treating	<1	281	346	868
Metal coating and nonprecious engraving	<1	303	469	1,441
Electroplating, anodizing, and coloring metal	<1	544	583	1,436
Valve and fittings, other than plumbing, manufacturing	<1	557	756	2,591
Plumbing fixture fitting and trim manufacturing	<1	279	561	2,544

## Appendix

Ball and roller bearing manufacturing	<1	100	148	521
Small arms ammunition manufacturing	<1	3,480	6,800	17,419
Ammunition, except for small arms, manufacturing	<1	11	13	29
Small arms, ordnance, and accessories manufacturing	<1	155	285	1,056
Fabricated pipe and pipe fitting manufacturing	<1	120	143	436
Other fabricated metal manufacturing	<1	1,650	2,051	6,275
Farm machinery and equipment manufacturing	<1	41	66	429
Lawn and garden equipment manufacturing	<1	21	32	199
Construction machinery manufacturing	<1	54	97	322
Mining machinery and equipment manufacturing	<1	15	19	61
Oil and gas field machinery and equipment manufacturing	<1	8	9	26
Semiconductor machinery manufacturing	<1	7	7	30
Food product machinery manufacturing	<1	5	6	13
Sawmill, woodworking, and paper machinery	<1	<1	2	10
Printing machinery and equipment manufacturing	<1	3	3	12
All other industrial machinery manufacturing	<1	14	16	51
Optical instrument and lens manufacturing	<1	47	61	186
Photographic and photocopying equipment manufacturing	<1	6	7	24
Other commercial service industry machinery manufacturing	<1	113	154	580
Air purification and ventilation equipment manufacturing	<1	115	136	435
Heating equipment (except warm air furnaces) manufacturing	<1	117	155	532
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,217	1,771	6,751
Industrial mold manufacturing	<1	93	105	257
Special tool, die, jig, and fixture manufacturing	<1	97	115	253

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	9	10	33
Machine tool manufacturing	<1	30	34	125
Rolling mill and other metalworking machinery manufacturing	<1	6	7	25
Turbine and turbine generator set units manufacturing	<1	6	6	19
Speed changer, industrial high-speed drive, and gear manufacturing	<1	95	119	405
Mechanical power transmission equipment manufacturing	<1	50	63	179
Other engine equipment manufacturing	<1	989	1,840	12,260
Pump and pumping equipment manufacturing	<1	14	20	70
Air and gas compressor manufacturing	<1	8	9	33
Elevator and moving stairway manufacturing	<1	12	14	48
Conveyor and conveying equipment manufacturing	<1	11	12	33
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	5	22
Industrial truck, trailer, and stacker manufacturing	<1	5	7	30
Power-driven handtool manufacturing	<1	7	14	39
Welding and soldering equipment manufacturing	<1	11	14	50
Packaging machinery manufacturing	<1	17	21	66
Industrial process furnace and oven manufacturing	<1	6	7	20
Fluid power cylinder and actuator manufacturing	<1	3	4	18
Fluid power pump and motor manufacturing	<1	14	19	82
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	42	49	174
Electronic computer manufacturing	<1	<1	1	8
Computer storage device manufacturing	<1	5	8	26
Computer terminals and other computer peripheral equipment manufacturing	<1	19	27	103
Telephone apparatus manufacturing	<1	6	10	43

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	1	1	6
Other communications equipment manufacturing	<1	191	292	991
Audio and video equipment manufacturing	<1	2	4	29
Printed circuit assembly (electronic assembly) manufacturing	<1	31	47	240
Bare printed circuit board manufacturing	<1	20	23	65
Semiconductor and related device manufacturing	<1	110	170	840
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	34	42	153
Electronic connector manufacturing	<1	969	1,257	4,336
Other electronic component manufacturing	<1	909	1,080	2,800
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	2	6
Search, detection, and navigation instruments manufacturing	<1	<1	1	2
Automatic environmental control manufacturing	<1	1,130	1,481	4,232
Industrial process variable instruments manufacturing	<1	9	13	39
Totalizing fluid meter and counting device manufacturing	<1	5	9	25
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	<1	26	37	105
Irradiation apparatus manufacturing	<1	0	0	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	3	4	16
Blank magnetic and optical recording media manufacturing	<1	41	133	694
Software and other prerecorded and record reproducing	<1	48	67	206
Electric lamp bulb and part manufacturing	<1	12	19	48
Lighting fixture manufacturing	<1	202	257	898
Small electrical appliance manufacturing	<1	83	169	767

## Appendix

Household cooking appliance manufacturing	<1	3	7	27
Household refrigerator and home freezer manufacturing	<1	3	7	26
Household laundry equipment manufacturing	<1	10	16	75
Other major household appliance manufacturing	<1	2	4	11
Power, distribution, and specialty transformer manufacturing	<1	57	79	228
Motor and generator manufacturing	<1	173	295	896
Switchgear and switchboard apparatus manufacturing	<1	117	199	622
Relay and industrial control manufacturing	<1	30	40	134
Storage battery manufacturing	1	115,363	156,432	479,307
Primary battery manufacturing	<1	171	742	1,118
Fiber optic cable manufacturing	<1	32	48	240
Other communication and energy wire manufacturing	<1	18	30	167
Wiring device manufacturing	<1	776	1,396	4,531
Carbon and graphite product manufacturing	<1	180	274	1,020
All other miscellaneous electrical equipment and component manufacturing	<1	25	30	117
Automobile manufacturing	<1	2,780	7,288	37,854
Light truck and utility vehicle manufacturing	<1	785	2,020	15,327
Heavy duty truck manufacturing	<1	7	11	69
Motor vehicle body manufacturing	<1	40	48	226
Truck trailer manufacturing	<1	6	7	35
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	625	712	4,093
Motor vehicle gasoline engine and engine parts manufacturing	<1	482	654	4,802
Motor vehicle electrical and electronic equipment manufacturing	<1	1,358	1,640	9,142
Motor vehicle transmission and power train parts manufacturing	<1	940	1,206	8,015
Motor vehicle seating and interior trim manufacturing	<1	1,112	1,244	7,074
Motor vehicle metal stamping	<1	1,364	1,573	7,163
Other motor vehicle parts manufacturing	<1	1,676	2,053	11,422

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	612	751	3,812
Aircraft manufacturing	<1	80	152	321
Aircraft engine and engine parts manufacturing	<1	22	60	154
Other aircraft parts and auxiliary equipment manufacturing	<1	75	115	235
Guided missile and space vehicle manufacturing	<1	31	55	103
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2	3	6
Railroad rolling stock manufacturing	<1	11	12	57
Ship building and repairing	<1	33	48	114
Boat building	<1	1,379	2,288	8,258
Motorcycle, bicycle, and parts manufacturing	<1	7	33	65
Military armored vehicle, tank, and tank component manufacturing	<1	1,629	4,195	10,855
All other transportation equipment manufacturing	<1	453	1,132	5,028
Wood kitchen cabinet and countertop manufacturing	<1	1,000	1,093	3,098
Upholstered household furniture manufacturing	<1	309	327	1,230
Nonupholstered wood household furniture manufacturing	<1	93	97	290
Other household nonupholstered furniture manufacturing	<1	31	39	201
Institutional furniture manufacturing	<1	5	5	18
Wood office furniture manufacturing	<1	2	2	8
Custom architectural woodwork and millwork	<1	29	27	87
Office furniture, except wood, manufacturing	<1	7	8	34
Showcase, partition, shelving, and locker manufacturing	<1	138	153	542
Mattress manufacturing	<1	24	30	176
Blind and shade manufacturing	<1	<1	<1	3
Surgical and medical instrument manufacturing	<1	115	151	375
Surgical appliance and supplies manufacturing	<1	270	422	1,202

## Appendix

Dental equipment and supplies manufacturing	<1	13	18	53
Ophthalmic goods manufacturing	<1	209	315	677
Dental laboratories	<1	214	232	457
Jewelry and silverware manufacturing	<1	289	464	1,340
Sporting and athletic goods manufacturing	<1	390	504	1,895
Doll, toy, and game manufacturing	<1	78	117	626
Office supplies (except paper) manufacturing	<1	561	770	2,069
Sign manufacturing	<1	806	747	1,940
Gasket, packing, and sealing device manufacturing	<1	256	276	660
Musical instrument manufacturing	<1	29	30	79
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	69	85	302
Burial casket manufacturing	<1	37	49	139
All other miscellaneous manufacturing	<1	455	575	1,756
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,500	14,407	31,183
Wholesale - Professional and commercial equipment and supplies	<1	20,577	32,033	57,979
Wholesale - Household appliances and electrical and electronic goods	<1	8,238	20,351	46,322
Wholesale - Machinery, equipment, and supplies	<1	15,954	30,058	55,630
Wholesale - Other durable goods merchant wholesalers	<1	34,963	64,018	139,967
Wholesale - Drugs and druggists'sundries	<1	13,332	34,251	78,261
Wholesale - Grocery and related product wholesalers	<1	15,888	24,487	49,043
Wholesale - Petroleum and petroleum products	<1	3,436	36,982	48,896
Wholesale - Other nondurable goods merchant wholesalers	<1	32,797	68,802	139,623
Wholesale - Wholesale electronic markets and agents and brokers	<1	20,598	23,637	27,815
Retail - Motor vehicle and parts dealers	<1	22,614	31,246	46,234
Retail - Furniture and home furnishings stores	<1	8,930	12,051	21,571

## Appendix

Retail - Electronics and appliance stores	<1	9,459	8,713	15,485
Retail - Building material and garden equipment and supplies stores	<1	14,163	27,856	41,413
Retail - Food and beverage stores	<1	23,338	33,724	59,419
Retail - Health and personal care stores	<1	20,174	25,873	39,790
Retail - Gasoline stores	<1	11,513	24,789	49,988
Retail - Clothing and clothing accessories stores	<1	12,625	19,185	41,251
Retail - Sporting goods, hobby, musical instrument and book stores	<1	9,212	11,984	20,738
Retail - General merchandise stores	<1	29,904	45,254	79,511
Retail - Miscellaneous store retailers	<1	18,994	19,429	36,162
Retail - Nonstore retailers	<1	17,124	96,740	160,336
Air transportation	<1	9,685	23,403	48,506
Rail transportation	<1	6,400	22,883	35,740
Water transportation	<1	3,091	5,578	18,141
Truck transportation	<1	51,583	86,618	178,203
Transit and ground passenger transportation	<1	7,627	12,554	19,347
Pipeline transportation	<1	4,100	8,406	15,858
Scenic and sightseeing transportation and support activities for transportation	<1	43,164	39,983	63,449
Couriers and messengers	<1	14,281	35,112	42,908
Warehousing and storage	<1	26,421	28,565	52,994
Newspaper publishers	<1	3,002	4,185	7,366
Periodical publishers	<1	1,268	1,546	3,391
Book publishers	<1	752	1,566	4,856
Directory, mailing list, and other publishers	<1	1,450	2,739	5,674
Greeting card publishing	<1	108	278	544
Software publishers	<1	20,140	31,386	50,700
Motion picture and video industries	<1	3,787	6,078	19,848
Sound recording industries	<1	435	2,894	6,919
Radio and television broadcasting	<1	18,615	24,087	75,325
Cable and other subscription programming	<1	5,461	21,496	73,469
Wired telecommunications carriers	<1	13,188	31,638	68,814



## Appendix

Wireless telecommunications carriers (except satellite)	<1	3,423	32,412	103,865
Satellite, telecommunications resellers, and all other telecommunications	<1	2,206	3,316	12,629
Data processing, hosting, and related services	<1	43,998	81,771	203,430
News syndicates, libraries, archives and all other information services	<1	1,852	2,905	9,608
Internet publishing and broadcasting and web search portals	<1	5,623	14,569	96,771
Nondepository credit intermediation and related activities	<1	30,972	34,076	57,284
Securities and commodity contracts intermediation and brokerage	<1	93,305	79,764	131,502
Monetary authorities and depository credit intermediation	1	132,105	333,460	554,323
Other financial investment activities	<1	40,235	45,151	93,543
Direct life insurance carriers	<1	9,614	18,090	27,822
Insurance carriers, except direct life	<1	42,343	119,333	278,908
Insurance agencies, brokerages, and related activities	<1	63,111	94,695	228,988
Funds, trusts, and other financial vehicles	<1	7,400	9,311	50,294
Other real estate	5	69,867	359,985	1,041,743
Tenant-occupied housing	<1	4,284	84,128	94,208
Owner-occupied dwellings	0	0	410,894	498,903
Automotive equipment rental and leasing	<1	6,311	39,058	46,723
General and consumer goods rental except video tapes and discs	<1	5,875	12,777	18,861
Video tape and disc rental	<1	1,770	2,970	4,944
Commercial and industrial machinery and equipment rental and leasing	<1	6,251	29,314	35,795
Lessors of nonfinancial intangible assets	<1	1,062	40,556	42,562
Legal services	2	183,269	353,316	464,717
Accounting, tax preparation, bookkeeping, and payroll services	<1	63,446	74,166	117,149
Architectural, engineering, and related services	<1	75,496	80,445	140,270
Specialized design services	<1	4,431	6,525	12,691

## Appendix

Custom computer programming services	<1	15,988	17,999	25,382
Computer systems design services	<1	36,753	36,617	46,843
Other computer related services, including facilities management	<1	18,401	26,835	48,034
Management consulting services	2	182,744	187,095	302,644
Environmental and other technical consulting services	<1	16,406	17,642	29,335
Scientific research and development services	32	3,009,937	4,038,699	7,906,773
Advertising, public relations, and related services	<1	54,961	75,946	163,167
Photographic services	<1	1,545	3,131	8,047
Veterinary services	<1	5,013	5,432	8,800
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	72,990	105,868	247,179
Management of companies and enterprises	2	303,012	335,363	543,254
Office administrative services	<1	41,989	17,461	44,400
Facilities support services	<1	3,130	4,291	11,977
Employment services	4	164,804	229,565	401,965
Business support services	<1	36,310	31,388	53,424
Travel arrangement and reservation services	<1	8,722	14,221	46,946
Investigation and security services	<1	16,935	17,234	25,964
Services to buildings	<1	27,327	38,776	86,100
Landscape and horticultural services	<1	18,286	22,549	44,993
Other support services	<1	12,539	16,195	33,661
Waste management and remediation services	<1	12,942	21,000	45,762
Elementary and secondary schools	<1	11,166	8,881	10,908
Junior colleges, colleges, universities, and professional schools	4	195,208	243,935	346,955
Other educational services	<1	9,079	10,021	20,207
Offices of physicians	1	126,097	126,754	177,784
Offices of dentists	<1	20,975	25,514	34,436
Offices of other health practitioners	<1	17,973	28,131	36,352
Outpatient care centers	<1	22,828	22,578	37,002
Medical and diagnostic laboratories	<1	6,241	10,533	14,426
Home health care services	<1	10,976	10,951	14,761

## Appendix

Other ambulatory health care services	<1	6,882	8,252	12,655
Hospitals	2	184,806	223,818	413,750
Nursing and community care facilities	<1	25,544	29,294	48,894
Residential mental retardation, mental health, substance abuse and other facilities	<1	13,356	13,924	21,350
Individual and family services	1	38,471	34,673	52,605
Child day care services	<1	12,006	19,602	25,922
Community food, housing, and other relief services, including rehabilitation services	<1	8,761	8,256	18,667
Performing arts companies	<1	3,546	8,291	13,296
Commercial Sports Except Racing	<1	15,897	17,421	23,047
Racing and Track Operation	<1	588	936	1,774
Independent artists, writers, and performers	<1	1,912	8,659	10,706
Promoters of performing arts and sports and agents for public figures	<1	3,387	13,286	22,945
Museums, historical sites, zoos, and parks	<1	2,235	2,948	5,160
Amusement parks and arcades	<1	981	2,137	2,645
Gambling industries (except casino hotels)	<1	6,475	19,366	26,437
Other amusement and recreation industries	<1	5,488	5,455	8,479
Fitness and recreational sports centers	<1	3,278	4,594	7,816
Bowling centers	<1	691	1,053	1,821
Hotels and motels, including casino hotels	<1	6,501	12,300	19,484
Other accommodations	<1	1,770	2,202	3,015
Full-service restaurants	2	63,645	91,915	188,954
Limited-service restaurants	2	45,244	68,967	174,814
All other food and drinking places	1	41,533	58,340	99,332
Automotive repair and maintenance, except car washes	<1	44,105	53,575	79,323
Car washes	<1	22,843	33,099	50,728
Electronic and precision equipment repair and maintenance	<1	11,673	16,745	26,913
Commercial and industrial machinery and equipment repair and maintenance	<1	19,666	23,423	36,703
Personal and household goods repair and maintenance	<1	4,770	10,862	15,278

## Appendix

Personal care services	<1	8,260	7,522	8,874
Death care services	<1	3,558	3,389	4,526
Dry-cleaning and laundry services	<1	7,103	6,490	8,010
Other personal services	<1	10,168	13,409	19,482
Religious organizations	<1	24,300	20,686	45,070
Grantmaking, giving, and social advocacy organizations	<1	7,117	29,345	40,548
Business and professional associations	<1	9,244	18,288	29,860
Labor and civic organizations	<1	5,926	23,410	38,215
Private households	<1	3,285	3,285	3,299
Postal service	<1	22,348	22,449	22,617
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,551	-951	768
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	868	1,424	2,659
Local government passenger transit	<1	5,815	1,139	4,139
Local government electric utilities	<1	2,990	9,286	21,465
Other local government enterprises	<1	23,686	52,708	122,738
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	95,285	208,375	381,321

## Montana

## NASA

Table 703: Detailed NASA Impacts by Types of Impact, Montana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	157	10,469,682	15,230,535	31,828,220
Oilseed farming	<1	354	9,315	10,662
Grain farming	<1	13,052	45,862	135,441
Vegetable and melon farming	<1	2,129	6,375	11,315
Fruit farming	<1	180	565	820
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	562	1,230	1,906
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	1,284	2,789	4,566
All other crop farming	<1	2,283	4,805	7,968
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,028	11,459	26,288
Dairy cattle and milk production	<1	574	2,117	9,555
Poultry and egg production	<1	671	1,408	11,504
Animal production, except cattle and poultry and eggs	<1	10,245	67,837	77,156
Forestry, forest products, and timber tract production	<1	119	144	206
Commercial logging	<1	1,293	1,915	3,099
Commercial fishing	<1	3,220	1,929	1,947
Commercial hunting and trapping	<1	1,116	1,154	1,397
Support activities for agriculture and forestry	<1	16,778	17,420	19,296
Oil and gas extraction	<1	5,656	24,247	72,346
Coal mining	<1	5,246	12,682	20,436
Copper, nickel, lead, and zinc mining	<1	22,944	74,050	124,160
Iron ore mining	0	0	0	0
Gold ore mining	<1	264	602	1,296
Silver ore mining	<1	34	62	128
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	463	788	1,411
Stone mining and quarrying	<1	1,695	4,821	9,194
Sand and gravel mining	<1	1,575	2,730	4,908

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	130	191	328
Phosphate rock mining	<1	32	56	101
Other chemical and fertilizer mineral mining	<1	66	98	176
Other nonmetallic minerals	<1	504	848	1,524
Drilling oil and gas wells	<1	1	4	10
Support activities for oil and gas operations	<1	106	171	408
Metal mining services	<1	395	1,233	5,366
Other nonmetallic minerals services	<1	25	63	272
Electric power generation - Hydroelectric	<1	3,102	6,274	12,503
Electric power generation - Fossil fuel	<1	8,904	29,121	89,327
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	216	448	1,047
Electric power generation - Wind	<1	912	6,466	14,313
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	37,523	115,791	342,128
Natural gas distribution	<1	9,395	28,826	75,219
Water, sewage and other systems	<1	901	1,912	5,238
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	37,651	48,760	140,400
Maintenance and repair construction of residential structures	<1	12,379	15,439	41,821
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	27	35	102
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	1,140	1,558	20,970
Flour milling	<1	646	854	9,097
Rice milling	<1	103	127	1,389
Malt manufacturing	<1	171	183	2,001
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	13	32	1,172
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	243	324	3,105
Beet sugar manufacturing	<1	903	1,061	7,866
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	96	108	665
Chocolate and confectionery manufacturing from cacao beans	<1	28	32	264
Confectionery manufacturing from purchased chocolate	<1	62	69	609
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	26	29	246
Canned fruits and vegetables manufacturing	<1	23	29	299
Canned specialties	<1	39	52	751
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	66	73	1,064
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,275	1,439	13,028
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	29	32	198



## Appendix

Frozen cakes and other pastries manufacturing	<1	548	652	1,349
Poultry processing	<1	27	30	290
Animal, except poultry, slaughtering	<1	449	512	8,123
Meat processed from carcasses	<1	1,262	1,203	13,772
Rendering and meat byproduct processing	<1	14	20	109
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	2,267	2,621	7,995
Cookie and cracker manufacturing	<1	778	867	3,892
Dry pasta, mixes, and dough manufacturing	<1	194	249	1,931
Tortilla manufacturing	<1	227	250	1,157
Roasted nuts and peanut butter manufacturing	<1	157	197	1,212
Other snack food manufacturing	<1	183	255	1,673
Coffee and tea manufacturing	<1	97	118	1,547
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	6
All other food manufacturing	<1	68	76	581
Bottled and canned soft drinks & water	<1	1,319	1,572	13,111
Manufactured ice	<1	209	102	856
Breweries	<1	1,922	2,774	14,667
Wineries	<1	219	269	2,064
Distilleries	<1	295	1,007	4,399
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3	3	69
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	10	9	46
Textile bag and canvas mills	<1	46	41	205
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	166	155	767
Hosiery and sock mills	<1	3	4	12
Other apparel knitting mills	<1	2	3	8
Cut and sew apparel contractors	<1	102	94	163
Men's and boys' cut and sew apparel manufacturing	<1	8	7	19
Women's and girls' cut and sew apparel manufacturing	<1	8	4	29
Other cut and sew apparel manufacturing	<1	5	4	14
Apparel accessories and other apparel manufacturing	<1	69	47	127
Leather and hide tanning and finishing	<1	7	-58	75
Footwear manufacturing	<1	3	-1	28
Other leather and allied product manufacturing	<1	10	-5	63
Sawmills	<1	1,728	2,583	12,189
Wood preservation	<1	64	136	774
Veneer and plywood manufacturing	<1	599	844	2,916
Engineered wood member and truss manufacturing	<1	407	563	2,257
Reconstituted wood product manufacturing	<1	768	1,738	8,681
Wood windows and door manufacturing	<1	762	915	4,000
Cut stock, resawing lumber, and planing	<1	342	551	2,190
Other millwork, including flooring	<1	467	632	2,570
Wood container and pallet manufacturing	<1	388	466	1,822
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	246	340	1,336
All other miscellaneous wood product manufacturing	<1	327	396	1,867
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	145	200	1,106
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0

Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	12,332	18,269	36,721
Support activities for printing	<1	59	84	132
Petroleum refineries	<1	9,148	41,014	408,864
Asphalt paving mixture and block manufacturing	<1	104	127	760
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	81	132	614
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	645	3,317	27,970
Industrial gas manufacturing	<1	468	766	3,813
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	213	291	1,420
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	224	399	2,326
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	11	14	59
Pesticide and other agricultural chemical manufacturing	<1	32	62	630
Medicinal and botanical manufacturing	<1	112	117	692
Pharmaceutical preparation manufacturing	<1	<1	<1	2
In-vitro diagnostic substance manufacturing	<1	7	7	16
Biological product (except diagnostic) manufacturing	<1	158	237	999
Paint and coating manufacturing	<1	33	43	303
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	146	219	1,833
Polish and other sanitation good manufacturing	0	0	0	0

Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	14	21	143
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	85	96	608
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	<1	62	87	575
Plastics pipe and pipe fitting manufacturing	<1	42	66	534
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	18	22	119
Polystyrene foam product manufacturing	<1	396	501	2,446
Urethane and other foam product (except polystyrene) manufacturing	<1	20	25	198
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	1,103	1,291	5,404
Tire manufacturing	<1	879	1,028	6,179
Rubber and plastics hoses and belting manufacturing	<1	11	14	85
Other rubber product manufacturing	<1	33	37	197
Pottery, ceramics, and plumbing fixture manufacturing	<1	9	14	58
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	132	208	748
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	22	36	128
Cement manufacturing	<1	508	1,020	3,195
Ready-mix concrete manufacturing	<1	1,683	2,540	10,484
Concrete block and brick manufacturing	<1	99	160	525
Concrete pipe manufacturing	<1	87	132	436

Appendix

Other concrete product manufacturing	<1	839	1,157	3,430
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	227	431	786
Cut stone and stone product manufacturing	<1	851	1,054	2,651
Ground or treated mineral and earth manufacturing	<1	466	931	2,089
Mineral wool manufacturing	<1	477	1,089	2,696
Miscellaneous nonmetallic mineral products manufacturing	<1	221	434	1,014
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	11	90	309
Steel wire drawing	<1	1	6	25
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	12	21	103
Secondary processing of other nonferrous metals	<1	<1	2	8
Ferrous metal foundries	<1	70	222	480
Nonferrous metal foundries	<1	74	160	413
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	35	41	174
Iron and steel forging	<1	40	47	234
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	92	133	710
Handtool manufacturing	<1	188	238	825
Prefabricated metal buildings and components manufacturing	<1	22	27	85

## Appendix

Fabricated structural metal manufacturing	<1	919	1,139	5,768
Plate work manufacturing	<1	407	440	1,715
Metal window and door manufacturing	<1	156	184	658
Sheet metal work manufacturing	<1	406	471	1,783
Ornamental and architectural metal work manufacturing	<1	385	425	1,620
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	2	2	9
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	47	59	338
Spring and wire product manufacturing	<1	34	39	176
Machine shops	<1	1,577	1,715	4,729
Turned product and screw, nut, and bolt manufacturing	<1	85	96	335
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	120	159	791
Electroplating, anodizing, and coloring metal	<1	27	29	104
Valve and fittings, other than plumbing, manufacturing	<1	15	18	53
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	379	636	3,280
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	928	1,356	5,864
Fabricated pipe and pipe fitting manufacturing	<1	75	82	230
Other fabricated metal manufacturing	<1	818	943	3,932
Farm machinery and equipment manufacturing	<1	35	46	362
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	143	203	1,040
Mining machinery and equipment manufacturing	<1	2	2	8

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	2	2	8
Semiconductor machinery manufacturing	<1	69	72	281
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	3	3	11
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	2	2	7
Optical instrument and lens manufacturing	<1	50,304	56,630	193,391
Photographic and photocopying equipment manufacturing	<1	<1	<1	3
Other commercial service industry machinery manufacturing	<1	11	12	54
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	46	52	269
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	85	88	307
Machine tool manufacturing	<1	3	3	11
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	3	3	13
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	60	64	261
Other engine equipment manufacturing	<1	146	191	1,603
Pump and pumping equipment manufacturing	<1	3	3	16
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	2	14
Industrial truck, trailer, and stacker manufacturing	<1	7	7	42
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	3
Packaging machinery manufacturing	<1	2	2	9
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	12	14	57
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	4	16
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	<1	<1	<1	2
Computer terminals and other computer peripheral equipment manufacturing	<1	4	5	26
Telephone apparatus manufacturing	<1	6	9	33
Broadcast and wireless communications equipment manufacturing	<1	1	2	9
Other communications equipment manufacturing	<1	4	5	22
Audio and video equipment manufacturing	<1	<1	<1	6
Printed circuit assembly (electronic assembly) manufacturing	<1	24	32	213
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	12	16	73
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	29	35	145
Other electronic component manufacturing	<1	73	83	271



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	6
Search, detection, and navigation instruments manufacturing	<1	3	3	9
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	9	11	38
Totalizing fluid meter and counting device manufacturing	<1	4	6	16
Electricity and signal testing instruments manufacturing	<1	54	60	152
Analytical laboratory instrument manufacturing	1	234,745	315,855	690,988
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	13	16	72
Blank magnetic and optical recording media manufacturing	<1	23	54	319
Software and other prerecorded and record reproducing	<1	6	7	22
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	1	2	12
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	3	4	21
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	3
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	73	78	448
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	10	10	86
Wiring device manufacturing	<1	84	84	454
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	10	10	39
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	13	16	67
Truck trailer manufacturing	<1	9	11	51
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,564	3,979	17,899
Motor vehicle gasoline engine and engine parts manufacturing	<1	64	85	582
Motor vehicle electrical and electronic equipment manufacturing	<1	96	167	635
Motor vehicle transmission and power train parts manufacturing	<1	298	364	1,949
Motor vehicle seating and interior trim manufacturing	<1	11	13	88
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	285	358	3,382
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	4	6	29
Other aircraft parts and auxiliary equipment manufacturing	<1	5,434	6,428	15,395
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	<1	2	2	4
Boat building	<1	156	198	916
Motorcycle, bicycle, and parts manufacturing	<1	10	17	77

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	33	51	365
Wood kitchen cabinet and countertop manufacturing	<1	438	451	1,475
Upholstered household furniture manufacturing	<1	15	15	82
Nonupholstered wood household furniture manufacturing	<1	139	142	535
Other household nonupholstered furniture manufacturing	<1	25	29	201
Institutional furniture manufacturing	<1	4	5	20
Wood office furniture manufacturing	<1	<1	<1	3
Custom architectural woodwork and millwork	<1	24	22	87
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	5	5	25
Mattress manufacturing	<1	6	7	56
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	25	37	90
Surgical appliance and supplies manufacturing	<1	111	196	692
Dental equipment and supplies manufacturing	<1	18	28	91
Ophthalmic goods manufacturing	<1	21	37	84
Dental laboratories	<1	60	66	135
Jewelry and silverware manufacturing	<1	518	770	2,445
Sporting and athletic goods manufacturing	<1	890	1,220	3,928
Doll, toy, and game manufacturing	<1	179	298	1,062
Office supplies (except paper) manufacturing	<1	186	269	1,047
Sign manufacturing	<1	1,001	944	2,686
Gasket, packing, and sealing device manufacturing	<1	132	148	452
Musical instrument manufacturing	<1	195	212	531
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	212	302	742
All other miscellaneous manufacturing	<1	279	379	1,249
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,350	17,014	43,035
Wholesale - Professional and commercial equipment and supplies	<1	27,430	40,890	77,220
Wholesale - Household appliances and electrical and electronic goods	<1	14,457	32,514	79,758
Wholesale - Machinery, equipment, and supplies	<1	24,631	42,870	86,792
Wholesale - Other durable goods merchant wholesalers	<1	29,854	50,067	112,570
Wholesale - Drugs and druggistsâ€™ sundries	<1	11,009	25,031	56,884
Wholesale - Grocery and related product wholesalers	<1	21,813	31,619	70,469
Wholesale - Petroleum and petroleum products	<1	4,817	40,200	59,151
Wholesale - Other nondurable goods merchant wholesalers	<1	47,906	90,084	214,253
Wholesale - Wholesale electronic markets and agents and brokers	<1	19,096	21,484	26,394
Retail - Motor vehicle and parts dealers	<1	38,600	43,363	67,636
Retail - Furniture and home furnishings stores	<1	18,339	20,383	37,641
Retail - Electronics and appliance stores	<1	12,956	9,605	19,195
Retail - Building material and garden equipment and supplies stores	<1	25,983	37,876	57,484
Retail - Food and beverage stores	1	59,248	71,137	122,793
Retail - Health and personal care stores	<1	22,948	26,168	42,374
Retail - Gasoline stores	<1	26,585	36,343	73,163
Retail - Clothing and clothing accessories stores	<1	14,190	17,308	45,237
Retail - Sporting goods, hobby, musical instrument and book stores	<1	16,150	17,635	33,854
Retail - General merchandise stores	1	46,313	50,602	96,057
Retail - Miscellaneous store retailers	<1	47,813	41,452	59,406
Retail - Nonstore retailers	1	24,354	106,369	229,441
Air transportation	<1	13,141	39,529	79,202

## Appendix

Rail transportation	<1	7,339	29,852	45,856
Water transportation	<1	-387	-381	3,208
Truck transportation	<1	56,367	83,342	171,071
Transit and ground passenger transportation	<1	13,374	17,306	24,772
Pipeline transportation	<1	8,243	16,164	30,326
Scenic and sightseeing transportation and support activities for transportation	<1	59,306	50,729	82,327
Couriers and messengers	<1	28,358	54,781	65,647
Warehousing and storage	<1	5,449	6,291	12,954
Newspaper publishers	<1	8,108	18,906	29,086
Periodical publishers	<1	1,533	2,935	5,985
Book publishers	<1	2,025	8,822	16,032
Directory, mailing list, and other publishers	<1	484	1,819	3,124
Greeting card publishing	0	0	0	0
Software publishers	<1	20,911	55,370	78,517
Motion picture and video industries	<1	13,087	20,782	50,206
Sound recording industries	<1	437	2,685	7,216
Radio and television broadcasting	<1	32,405	48,131	152,688
Cable and other subscription programming	<1	4,971	29,819	74,794
Wired telecommunications carriers	<1	23,919	52,840	106,381
Wireless telecommunications carriers (except satellite)	<1	2,736	22,951	58,901
Satellite, telecommunications resellers, and all other telecommunications	<1	2,212	2,572	7,159
Data processing, hosting, and related services	<1	17,636	32,746	133,591
News syndicates, libraries, archives and all other information services	<1	2,963	4,380	10,274
Internet publishing and broadcasting and web search portals	<1	16,604	40,078	168,414
Nondepository credit intermediation and related activities	<1	27,349	29,217	45,992
Securities and commodity contracts intermediation and brokerage	1	58,634	48,163	119,780
Monetary authorities and depository credit intermediation	2	174,719	526,805	859,117

Appendix

Other financial investment activities	<1	20,905	23,978	77,688
Direct life insurance carriers	<1	1,094	2,423	3,344
Insurance carriers, except direct life	<1	25,790	92,679	195,711
Insurance agencies, brokerages, and related activities	<1	49,266	76,885	204,205
Funds, trusts, and other financial vehicles	<1	10,162	12,304	82,886
Other real estate	11	315,980	718,989	2,140,434
Tenant-occupied housing	<1	11,459	131,856	142,372
Owner-occupied dwellings	0	0	699,217	843,839
Automotive equipment rental and leasing	<1	15,556	42,511	60,838
General and consumer goods rental except video tapes and discs	<1	10,789	16,382	26,313
Video tape and disc rental	<1	3,168	4,525	7,937
Commercial and industrial machinery and equipment rental and leasing	<1	9,580	23,305	32,086
Lessors of nonfinancial intangible assets	<1	1,739	46,751	51,279
Legal services	3	208,706	318,189	504,453
Accounting, tax preparation, bookkeeping, and payroll services	1	72,058	92,808	164,083
Architectural, engineering, and related services	1	111,482	122,711	239,666
Specialized design services	<1	5,400	9,214	18,052
Custom computer programming services	<1	60,831	58,517	85,917
Computer systems design services	<1	27,849	24,971	34,369
Other computer related services, including facilities management	<1	8,592	10,668	24,073
Management consulting services	3	241,573	248,809	439,730
Environmental and other technical consulting services	<1	44,040	49,097	87,998
Scientific research and development services	56	4,600,620	5,505,333	12,335,415
Advertising, public relations, and related services	<1	34,931	57,010	140,863
Photographic services	<1	1,907	4,611	11,060
Veterinary services	<1	12,661	14,275	23,962
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	67,005	114,432	254,815
Management of companies and enterprises	1	136,254	150,085	276,950

## Appendix

Office administrative services	1	71,007	26,284	78,956
Facilities support services	<1	6,903	9,166	22,918
Employment services	5	273,208	367,560	592,932
Business support services	<1	30,857	26,728	49,748
Travel arrangement and reservation services	<1	7,839	12,118	44,495
Investigation and security services	<1	14,328	14,497	20,990
Services to buildings	<1	30,417	41,572	99,277
Landscape and horticultural services	<1	31,542	37,794	78,354
Other support services	<1	11,146	13,942	31,873
Waste management and remediation services	<1	16,590	25,470	56,717
Elementary and secondary schools	<1	16,518	14,665	18,956
Junior colleges, colleges, universities, and professional schools	3	102,411	133,798	216,746
Other educational services	<1	15,141	16,915	36,133
Offices of physicians	2	178,851	184,425	258,630
Offices of dentists	<1	41,496	47,234	65,506
Offices of other health practitioners	<1	29,148	39,023	50,987
Outpatient care centers	<1	25,617	25,857	43,138
Medical and diagnostic laboratories	<1	5,823	8,031	11,056
Home health care services	<1	23,868	24,435	32,548
Other ambulatory health care services	<1	13,656	15,520	24,364
Hospitals	4	431,845	494,430	903,672
Nursing and community care facilities	<1	34,290	37,114	61,428
Residential mental retardation, mental health, substance abuse and other facilities	<1	21,633	22,507	33,491
Individual and family services	1	46,128	38,847	55,825
Child day care services	<1	20,795	25,825	37,051
Community food, housing, and other relief services, including rehabilitation services	<1	14,615	13,653	32,065
Performing arts companies	<1	6,314	9,877	26,071
Commercial Sports Except Racing	<1	3,319	3,498	7,371
Racing and Track Operation	<1	357	519	1,320
Independent artists, writers, and performers	<1	11,426	26,014	55,460

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	4,519	9,380	31,844
Museums, historical sites, zoos, and parks	<1	3,156	3,886	7,320
Amusement parks and arcades	<1	230	330	466
Gambling industries (except casino hotels)	<1	15,377	42,354	64,547
Other amusement and recreation industries	<1	14,262	9,968	17,073
Fitness and recreational sports centers	<1	5,686	7,440	13,454
Bowling centers	<1	1,244	1,773	3,064
Hotels and motels, including casino hotels	<1	4,928	9,480	14,943
Other accommodations	<1	921	1,015	1,419
Full-service restaurants	4	111,418	146,164	306,021
Limited-service restaurants	2	72,899	96,078	235,193
All other food and drinking places	2	70,998	102,352	179,454
Automotive repair and maintenance, except car washes	1	76,951	68,821	111,483
Car washes	<1	35,544	41,670	66,572
Electronic and precision equipment repair and maintenance	<1	21,652	24,699	44,797
Commercial and industrial machinery and equipment repair and maintenance	<1	25,815	27,139	45,040
Personal and household goods repair and maintenance	<1	8,586	13,002	20,533
Personal care services	<1	15,263	9,594	11,868
Death care services	<1	6,036	4,220	6,104
Dry-cleaning and laundry services	<1	15,402	9,900	13,164
Other personal services	<1	17,741	19,990	29,712
Religious organizations	1	65,182	22,106	103,910
Grantmaking, giving, and social advocacy organizations	<1	25,462	59,168	98,543
Business and professional associations	<1	15,609	21,300	41,775
Labor and civic organizations	<1	9,676	21,681	45,236
Private households	<1	4,364	4,364	4,364
Postal service	<1	31,699	31,843	31,856
Federal electric utilities	<1	2,346	5,823	18,019
Other federal government enterprises	<1	1,493	-15,172	1,101
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,460	3,738	7,067
Local government passenger transit	<1	3,185	756	2,390
Local government electric utilities	<1	1,038	3,252	6,599
Other local government enterprises	<1	18,368	38,033	114,828
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	382,521	780,049	1,427,470

## Moon to Mars Campaign

**Table 704: Detailed M2M Campaign Impacts by Types of Impact, Montana**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	2	135,087	192,701	398,824
Oilseed farming	<1	4	180	217
Grain farming	<1	149	738	1,577
Vegetable and melon farming	<1	25	81	139
Fruit farming	<1	2	8	11
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	6	15	23
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	13	30	46
All other crop farming	<1	24	54	87
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	11	139	284
Dairy cattle and milk production	<1	7	29	117
Poultry and egg production	<1	7	16	124
Animal production, except cattle and poultry and eggs	<1	111	862	945
Forestry, forest products, and timber tract production	<1	2	2	3
Commercial logging	<1	16	25	39
Commercial fishing	<1	44	25	25
Commercial hunting and trapping	<1	21	14	17
Support activities for agriculture and forestry	<1	202	212	235
Oil and gas extraction	<1	59	305	946
Coal mining	<1	40	101	163
Copper, nickel, lead, and zinc mining	<1	205	680	1,109
Iron ore mining	0	0	0	0
Gold ore mining	<1	3	7	14
Silver ore mining	<1	<1	<1	1
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	5	9	16
Stone mining and quarrying	<1	20	56	106
Sand and gravel mining	<1	22	39	68
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	2	3	4
Phosphate rock mining	<1	<1	<1	1
Other chemical and fertilizer mineral mining	<1	<1	1	3
Other nonmetallic minerals	<1	7	12	21
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	2	4
Metal mining services	<1	2	8	34
Other nonmetallic minerals services	<1	<1	<1	3
Electric power generation - Hydroelectric	<1	53	104	204

## Appendix

Electric power generation - Fossil fuel	<1	139	417	1,283
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3	7	15
Electric power generation - Wind	<1	10	69	151
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	482	1,421	4,195
Natural gas distribution	<1	129	385	985
Water, sewage and other systems	<1	10	21	57
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	488	647	1,815
Maintenance and repair construction of residential structures	<1	152	193	515
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	14	20	264
Flour milling	<1	7	9	100

## Appendix

Rice milling	<1	1	2	19
Malt manufacturing	<1	2	3	25
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	0	<1	16
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	2	3	30
Beet sugar manufacturing	<1	9	10	76
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	1	8
Chocolate and confectionery manufacturing from cacao beans	<1	<1	<1	4
Confectionery manufacturing from purchased chocolate	<1	<1	<1	8
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	<1	<1	3
Canned fruits and vegetables manufacturing	<1	<1	<1	4
Canned specialties	<1	<1	<1	10
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	<1	<1	13
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	16	19	167
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	2
Frozen cakes and other pastries manufacturing	<1	7	8	16
Poultry processing	<1	<1	<1	3
Animal, except poultry, slaughtering	<1	5	5	84
Meat processed from carcasses	<1	17	16	180
Rendering and meat byproduct processing	<1	<1	<1	1
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	27	32	96
Cookie and cracker manufacturing	<1	11	13	55
Dry pasta, mixes, and dough manufacturing	<1	2	3	23
Tortilla manufacturing	<1	3	3	14

## Appendix

Roasted nuts and peanut butter manufacturing	<1	2	3	16
Other snack food manufacturing	<1	2	3	21
Coffee and tea manufacturing	<1	1	1	18
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	0	0	<1
All other food manufacturing	<1	<1	<1	7
Bottled and canned soft drinks & water	<1	15	18	154
Manufactured ice	<1	3	1	10
Breweries	<1	21	31	164
Wineries	<1	3	4	31
Distilleries	<1	3	13	53
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	0	1
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	<1	<1	3
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	2	2	10
Hosiery and sock mills	<1	0	<1	<1
Other apparel knitting mills	<1	0	0	<1
Cut and sew apparel contractors	<1	2	2	3
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	1	<1	2
Leather and hide tanning and finishing	<1	0	-1	1
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	<1	<1	0	<1

## Appendix

Sawmills	<1	21	31	147
Wood preservation	<1	<1	2	9
Veneer and plywood manufacturing	<1	7	9	33
Engineered wood member and truss manufacturing	<1	6	8	31
Reconstituted wood product manufacturing	<1	9	20	99
Wood windows and door manufacturing	<1	9	10	46
Cut stock, resawing lumber, and planing	<1	4	6	25
Other millwork, including flooring	<1	6	8	32
Wood container and pallet manufacturing	<1	5	6	23
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	3	4	14
All other miscellaneous wood product manufacturing	<1	5	5	24
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1	2	11
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	161	244	477
Support activities for printing	<1	<1	1	2
Petroleum refineries	<1	145	710	6,586
Asphalt paving mixture and block manufacturing	<1	1	2	9
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	1	2	8
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	8	47	355
Industrial gas manufacturing	<1	5	10	46

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	3	4	19
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	4	7	36
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	<1
Pesticide and other agricultural chemical manufacturing	<1	<1	<1	8
Medicinal and botanical manufacturing	<1	2	2	11
Pharmaceutical preparation manufacturing	0	0	0	0
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1
Biological product (except diagnostic) manufacturing	<1	4	4	19
Paint and coating manufacturing	<1	<1	<1	4
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	2	3	26
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	<1	2
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	<1	<1	5
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	<1	<1	<1	6
Plastics pipe and pipe fitting manufacturing	<1	<1	<1	8

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	<1	<1	1
Polystyrene foam product manufacturing	<1	5	7	32
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	<1	3
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	13	15	62
Tire manufacturing	<1	10	12	71
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	<1
Other rubber product manufacturing	<1	<1	<1	3
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	<1
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	1	2	8
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	<1	<1	1
Cement manufacturing	<1	8	15	47
Ready-mix concrete manufacturing	<1	22	33	137
Concrete block and brick manufacturing	<1	1	2	7
Concrete pipe manufacturing	<1	1	2	5
Other concrete product manufacturing	<1	10	14	42
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	2	4	7
Cut stone and stone product manufacturing	<1	10	12	31
Ground or treated mineral and earth manufacturing	<1	6	11	26
Mineral wool manufacturing	<1	7	15	37
Miscellaneous nonmetallic mineral products manufacturing	<1	4	7	15
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0



## Appendix

Rolled steel shape manufacturing	<1	<1	<1	3
Steel wire drawing	<1	0	0	<1
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	<1	<1	1
Secondary processing of other nonferrous metals	<1	0	0	<1
Ferrous metal foundries	<1	<1	3	7
Nonferrous metal foundries	<1	<1	1	3
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	<1	<1	2
Iron and steel forging	<1	<1	<1	2
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	1	1	8
Handtool manufacturing	<1	2	3	10
Prefabricated metal buildings and components manufacturing	<1	<1	<1	1
Fabricated structural metal manufacturing	<1	14	17	87
Plate work manufacturing	<1	5	5	19
Metal window and door manufacturing	<1	3	3	11
Sheet metal work manufacturing	<1	2	2	8
Ornamental and architectural metal work manufacturing	<1	5	6	22
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	<1	<1	4
Spring and wire product manufacturing	<1	<1	<1	2

## Appendix

Machine shops	<1	13	14	38
Turned product and screw, nut, and bolt manufacturing	<1	<1	<1	1
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	<1	<1	4
Electroplating, anodizing, and coloring metal	<1	<1	<1	<1
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	5	9	43
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	11	16	69
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	3
Other fabricated metal manufacturing	<1	10	11	47
Farm machinery and equipment manufacturing	<1	<1	<1	4
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	2	3	13
Mining machinery and equipment manufacturing	<1	0	0	<1
Oil and gas field machinery and equipment manufacturing	<1	0	0	<1
Semiconductor machinery manufacturing	<1	<1	<1	4
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	0	0	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	<1

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	<1	<1	3
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	<1	<1	3
Machine tool manufacturing	<1	0	0	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	0	0	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	1	<1	3
Other engine equipment manufacturing	<1	2	2	19
Pump and pumping equipment manufacturing	<1	0	0	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	0	0	<1
Industrial truck, trailer, and stacker manufacturing	<1	0	0	<1
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	0	0	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	0	0	<1
Fluid power pump and motor manufacturing	0	0	0	0

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	0	0	<1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	0	0	<1
Telephone apparatus manufacturing	<1	0	0	<1
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	0	0	<1
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	0	0	<1
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	0	0	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	<1	<1	2
Other electronic component manufacturing	<1	<1	<1	1
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	0	0	<1
Totalizing fluid meter and counting device manufacturing	<1	0	0	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	<1	<1	<1	6
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	1	1	7
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	0	0	<1
Wiring device manufacturing	<1	<1	<1	4
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	37	41	185

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	6
Motor vehicle electrical and electronic equipment manufacturing	<1	1	2	7
Motor vehicle transmission and power train parts manufacturing	<1	5	5	28
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	1
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	3	4	36
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	0	0	<1
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	<1	<1	<1
Boat building	<1	2	2	10
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	<1	<1	3
Wood kitchen cabinet and countertop manufacturing	<1	6	6	19
Upholstered household furniture manufacturing	<1	<1	<1	1
Nonupholstered wood household furniture manufacturing	<1	2	2	7
Other household nonupholstered furniture manufacturing	<1	<1	<1	3
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	0	0	<1
Mattress manufacturing	<1	<1	<1	<1
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	<1	<1	1
Surgical appliance and supplies manufacturing	<1	1	3	9
Dental equipment and supplies manufacturing	<1	<1	<1	1
Ophthalmic goods manufacturing	<1	<1	<1	1
Dental laboratories	<1	<1	<1	2
Jewelry and silverware manufacturing	<1	7	10	31
Sporting and athletic goods manufacturing	<1	11	14	45
Doll, toy, and game manufacturing	<1	2	4	13
Office supplies (except paper) manufacturing	<1	3	4	14
Sign manufacturing	<1	12	11	32
Gasket, packing, and sealing device manufacturing	<1	1	1	4
Musical instrument manufacturing	<1	3	4	9
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	2	3	6
All other miscellaneous manufacturing	<1	3	5	15
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	109	224	568
Wholesale - Professional and commercial equipment and supplies	<1	316	474	892
Wholesale - Household appliances and electrical and electronic goods	<1	105	238	586
Wholesale - Machinery, equipment, and supplies	<1	270	471	953
Wholesale - Other durable goods merchant wholesalers	<1	353	594	1,335

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	140	319	716
Wholesale - Grocery and related product wholesalers	<1	261	379	845
Wholesale - Petroleum and petroleum products	<1	67	629	907
Wholesale - Other nondurable goods merchant wholesalers	<1	591	1,151	2,690
Wholesale - Wholesale electronic markets and agents and brokers	<1	234	262	322
Retail - Motor vehicle and parts dealers	<1	475	533	829
Retail - Furniture and home furnishings stores	<1	226	251	462
Retail - Electronics and appliance stores	<1	161	120	235
Retail - Building material and garden equipment and supplies stores	<1	324	471	712
Retail - Food and beverage stores	<1	755	906	1,560
Retail - Health and personal care stores	<1	284	324	522
Retail - Gasoline stores	<1	374	500	990
Retail - Clothing and clothing accessories stores	<1	178	216	558
Retail - Sporting goods, hobby, musical instrument and book stores	<1	199	217	414
Retail - General merchandise stores	<1	563	617	1,163
Retail - Miscellaneous store retailers	<1	583	507	721
Retail - Nonstore retailers	<1	298	1,334	2,874
Air transportation	<1	336	1,017	2,039
Rail transportation	<1	157	641	981
Water transportation	<1	-34	-35	270
Truck transportation	<1	1,403	2,068	4,135
Transit and ground passenger transportation	<1	211	272	376
Pipeline transportation	<1	195	338	631
Scenic and sightseeing transportation and support activities for transportation	<1	988	836	1,354
Couriers and messengers	<1	437	839	1,003
Warehousing and storage	<1	63	73	151
Newspaper publishers	<1	114	287	420
Periodical publishers	<1	25	55	102
Book publishers	<1	30	145	248



## Appendix

Directory, mailing list, and other publishers	<1	6	24	41
Greeting card publishing	0	0	0	0
Software publishers	<1	256	713	1,000
Motion picture and video industries	<1	178	280	661
Sound recording industries	<1	6	36	93
Radio and television broadcasting	<1	429	645	1,921
Cable and other subscription programming	<1	69	433	1,036
Wired telecommunications carriers	<1	289	664	1,314
Wireless telecommunications carriers (except satellite)	<1	33	309	753
Satellite, telecommunications resellers, and all other telecommunications	<1	29	33	92
Data processing, hosting, and related services	<1	227	419	1,694
News syndicates, libraries, archives and all other information services	<1	42	62	144
Internet publishing and broadcasting and web search portals	<1	227	546	2,303
Nondepository credit intermediation and related activities	<1	364	390	602
Securities and commodity contracts intermediation and brokerage	<1	832	660	1,525
Monetary authorities and depository credit intermediation	<1	2,143	6,847	10,801
Other financial investment activities	<1	311	354	1,057
Direct life insurance carriers	<1	13	29	39
Insurance carriers, except direct life	<1	331	1,198	2,474
Insurance agencies, brokerages, and related activities	<1	596	927	2,447
Funds, trusts, and other financial vehicles	<1	140	180	1,060
Other real estate	<1	4,443	9,898	28,502
Tenant-occupied housing	<1	139	1,695	1,821
Owner-occupied dwellings	0	0	8,712	10,513
Automotive equipment rental and leasing	<1	205	575	806

Appendix

General and consumer goods rental except video tapes and discs	<1	136	207	329
Video tape and disc rental	<1	38	54	96
Commercial and industrial machinery and equipment rental and leasing	<1	148	362	496
Lessors of nonfinancial intangible assets	<1	20	582	636
Legal services	<1	2,719	4,254	6,648
Accounting, tax preparation, bookkeeping, and payroll services	<1	936	1,223	2,125
Architectural, engineering, and related services	<1	1,474	1,634	3,164
Specialized design services	<1	72	125	239
Custom computer programming services	<1	415	397	585
Computer systems design services	<1	352	316	432
Other computer related services, including facilities management	<1	125	154	347
Management consulting services	<1	3,388	3,498	6,071
Environmental and other technical consulting services	<1	626	703	1,242
Scientific research and development services	<1	66,972	79,990	174,777
Advertising, public relations, and related services	<1	468	773	1,871
Photographic services	<1	23	60	138
Veterinary services	<1	157	179	296
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,007	1,752	3,839
Management of companies and enterprises	<1	1,656	1,835	3,344
Office administrative services	<1	1,151	460	1,271
Facilities support services	<1	91	124	298
Employment services	<1	3,836	5,269	8,152
Business support services	<1	383	337	606
Travel arrangement and reservation services	<1	115	180	633
Investigation and security services	<1	197	199	283
Services to buildings	<1	404	565	1,304
Landscape and horticultural services	<1	416	505	1,021
Other support services	<1	141	179	401
Waste management and remediation services	<1	211	323	716

## Appendix

Elementary and secondary schools	<1	241	214	274
Junior colleges, colleges, universities, and professional schools	<1	149	198	314
Other educational services	<1	198	222	468
Offices of physicians	<1	2,222	2,296	3,215
Offices of dentists	<1	512	592	815
Offices of other health practitioners	<1	348	480	622
Outpatient care centers	<1	322	326	548
Medical and diagnostic laboratories	<1	74	105	142
Home health care services	<1	310	318	426
Other ambulatory health care services	<1	169	195	304
Hospitals	<1	5,950	6,854	12,556
Nursing and community care facilities	<1	454	492	804
Residential mental retardation, mental health, substance abuse and other facilities	<1	312	325	478
Individual and family services	<1	613	520	741
Child day care services	<1	272	345	490
Community food, housing, and other relief services, including rehabilitation services	<1	208	195	451
Performing arts companies	<1	89	138	347
Commercial Sports Except Racing	<1	42	47	96
Racing and Track Operation	<1	5	7	17
Independent artists, writers, and performers	<1	163	362	758
Promoters of performing arts and sports and agents for public figures	<1	63	129	414
Museums, historical sites, zoos, and parks	<1	42	52	96
Amusement parks and arcades	<1	3	4	6
Gambling industries (except casino hotels)	<1	194	536	813
Other amusement and recreation industries	<1	179	125	212
Fitness and recreational sports centers	<1	76	99	175
Bowling centers	<1	15	22	38
Hotels and motels, including casino hotels	<1	68	128	202
Other accommodations	<1	14	15	21

## Appendix

Full-service restaurants	<1	1,412	1,844	3,843
Limited-service restaurants	<1	921	1,205	2,915
All other food and drinking places	<1	990	1,411	2,441
Automotive repair and maintenance, except car washes	<1	1,047	914	1,479
Car washes	<1	447	522	831
Electronic and precision equipment repair and maintenance	<1	190	219	392
Commercial and industrial machinery and equipment repair and maintenance	<1	326	340	558
Personal and household goods repair and maintenance	<1	117	167	266
Personal care services	<1	190	110	138
Death care services	<1	82	54	78
Dry-cleaning and laundry services	<1	185	109	147
Other personal services	<1	231	253	378
Religious organizations	<1	927	283	1,414
Grantmaking, giving, and social advocacy organizations	<1	375	781	1,324
Business and professional associations	<1	213	266	525
Labor and civic organizations	<1	138	276	592
Private households	<1	58	58	58
Postal service	<1	445	447	447
Federal electric utilities	<1	15	38	116
Other federal government enterprises	<1	22	-239	16
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	20	29	54
Local government passenger transit	<1	44	7	27
Local government electric utilities	<1	12	35	71
Other local government enterprises	<1	227	401	1,295
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Investments in Climate Change Research and Technology

**Table 705: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	54	3,533,644	5,108,554	10,814,061
Oilseed farming	<1	82	1,991	2,259
Grain farming	<1	4,031	13,228	40,477
Vegetable and melon farming	<1	802	2,388	4,191
Fruit farming	<1	71	222	323
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	216	470	719
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	517	1,150	1,842
All other crop farming	<1	936	1,962	3,223
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	512	5,265	11,663
Dairy cattle and milk production	<1	220	799	3,685
Poultry and egg production	<1	292	573	5,034
Animal production, except cattle and poultry and eggs	<1	3,667	21,636	24,059
Forestry, forest products, and timber tract production	<1	40	49	72

## Appendix

Commercial logging	<1	476	732	1,196
Commercial fishing	<1	893	693	700
Commercial hunting and trapping	<1	315	424	520
Support activities for agriculture and forestry	<1	6,715	6,972	7,619
Oil and gas extraction	<1	2,425	10,326	30,545
Coal mining	<1	2,715	6,728	11,007
Copper, nickel, lead, and zinc mining	<1	5,216	15,130	26,348
Iron ore mining	0	0	0	0
Gold ore mining	<1	86	191	409
Silver ore mining	<1	13	23	47
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	180	312	552
Stone mining and quarrying	<1	523	1,674	3,141
Sand and gravel mining	<1	519	942	1,686
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	47	71	123
Phosphate rock mining	<1	12	22	39
Other chemical and fertilizer mineral mining	<1	26	39	73
Other nonmetallic minerals	<1	180	315	556
Drilling oil and gas wells	<1	1	3	7
Support activities for oil and gas operations	<1	38	61	143
Metal mining services	<1	266	949	3,930
Other nonmetallic minerals services	<1	11	27	110
Electric power generation - Hydroelectric	<1	921	1,845	3,599
Electric power generation - Fossil fuel	<1	2,810	9,843	30,246
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	68	146	343
Electric power generation - Wind	<1	378	2,920	6,585
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	12,297	39,629	117,902

## Appendix

Natural gas distribution	<1	3,231	9,928	25,997
Water, sewage and other systems	<1	374	822	2,316
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,966	16,739	48,904
Maintenance and repair construction of residential structures	<1	4,186	5,219	14,339
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	12	35
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	461	618	8,437
Flour milling	<1	273	358	3,800
Rice milling	<1	48	60	645
Malt manufacturing	<1	50	54	598
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	5	11	450
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	62	81	854
Beet sugar manufacturing	<1	272	325	2,365
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	36	40	256

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	10	11	94
Confectionery manufacturing from purchased chocolate	<1	24	27	238
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	11	12	101
Canned fruits and vegetables manufacturing	<1	9	11	116
Canned specialties	<1	17	22	318
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	24	26	384
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	464	513	4,697
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	11	12	76
Frozen cakes and other pastries manufacturing	<1	218	262	544
Poultry processing	<1	13	14	136
Animal, except poultry, slaughtering	<1	186	211	3,324
Meat processed from carcasses	<1	469	447	5,155
Rendering and meat byproduct processing	<1	6	9	47
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	882	1,019	3,113
Cookie and cracker manufacturing	<1	262	284	1,390
Dry pasta, mixes, and dough manufacturing	<1	68	86	670
Tortilla manufacturing	<1	95	105	485
Roasted nuts and peanut butter manufacturing	<1	61	76	470
Other snack food manufacturing	<1	72	98	663
Coffee and tea manufacturing	<1	39	47	625
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	2
All other food manufacturing	<1	26	29	219
Bottled and canned soft drinks & water	<1	521	613	5,130
Manufactured ice	<1	75	36	313



## Appendix

Breweries	<1	712	1,009	5,353
Wineries	<1	85	103	778
Distilleries	<1	126	403	1,763
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	22
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	4	4	19
Textile bag and canvas mills	<1	19	17	86
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	67	62	318
Hosiery and sock mills	<1	1	2	5
Other apparel knitting mills	<1	<1	1	4
Cut and sew apparel contractors	<1	45	42	73
Men's and boys' cut and sew apparel manufacturing	<1	3	3	7
Women's and girls' cut and sew apparel manufacturing	<1	3	1	11
Other cut and sew apparel manufacturing	<1	2	2	6
Apparel accessories and other apparel manufacturing	<1	27	18	53
Leather and hide tanning and finishing	<1	3	-24	34
Footwear manufacturing	<1	1	-1	14
Other leather and allied product manufacturing	<1	4	-2	28
Sawmills	<1	693	1,058	4,887
Wood preservation	<1	29	63	347
Veneer and plywood manufacturing	<1	267	379	1,295
Engineered wood member and truss manufacturing	<1	153	216	855
Reconstituted wood product manufacturing	<1	358	823	4,013
Wood windows and door manufacturing	<1	276	336	1,485
Cut stock, resawing lumber, and planing	<1	121	205	794

Appendix

Other millwork, including flooring	<1	160	223	901
Wood container and pallet manufacturing	<1	141	174	683
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	85	123	475
All other miscellaneous wood product manufacturing	<1	110	141	672
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	69	100	550
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	4,257	6,183	13,016
Support activities for printing	<1	19	27	44
Petroleum refineries	<1	4,156	18,511	183,509
Asphalt paving mixture and block manufacturing	<1	37	44	276
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	32	55	271
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	564	2,621	23,421
Industrial gas manufacturing	<1	197	307	1,558
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	92	117	581
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	70	124	797

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	5	6	25
Pesticide and other agricultural chemical manufacturing	<1	14	27	269
Medicinal and botanical manufacturing	<1	41	44	260
Pharmaceutical preparation manufacturing	<1	<1	<1	<1
In-vitro diagnostic substance manufacturing	<1	2	2	6
Biological product (except diagnostic) manufacturing	<1	47	77	330
Paint and coating manufacturing	<1	14	18	124
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	49	74	657
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	6	8	58
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	53	59	363
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	<1	28	40	263
Plastics pipe and pipe fitting manufacturing	<1	16	25	203
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	7	8	45
Polystyrene foam product manufacturing	<1	158	198	1,004
Urethane and other foam product (except polystyrene) manufacturing	<1	8	10	84
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	465	538	2,311
Tire manufacturing	<1	281	320	2,000

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	4	5	34
Other rubber product manufacturing	<1	13	14	76
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	5	19
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	73	113	404
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	13	22	76
Cement manufacturing	<1	173	351	1,101
Ready-mix concrete manufacturing	<1	593	908	3,699
Concrete block and brick manufacturing	<1	31	51	169
Concrete pipe manufacturing	<1	38	59	188
Other concrete product manufacturing	<1	319	450	1,308
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	105	203	367
Cut stone and stone product manufacturing	<1	290	363	908
Ground or treated mineral and earth manufacturing	<1	163	342	772
Mineral wool manufacturing	<1	163	381	949
Miscellaneous nonmetallic mineral products manufacturing	<1	75	153	356
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	5	44	145
Steel wire drawing	<1	<1	2	10
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	5	9	47
Secondary processing of other nonferrous metals	<1	<1	<1	3
Ferrous metal foundries	<1	49	169	365
Nonferrous metal foundries	<1	39	85	223
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	16	19	82
Iron and steel forging	<1	20	24	124
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	35	50	271
Handtool manufacturing	<1	83	104	379
Prefabricated metal buildings and components manufacturing	<1	8	9	30
Fabricated structural metal manufacturing	<1	384	466	2,418
Plate work manufacturing	<1	196	210	846
Metal window and door manufacturing	<1	57	67	248
Sheet metal work manufacturing	<1	258	299	1,177
Ornamental and architectural metal work manufacturing	<1	143	158	618
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	4
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	19	24	140
Spring and wire product manufacturing	<1	13	15	68
Machine shops	<1	945	1,025	2,858
Turned product and screw, nut, and bolt manufacturing	<1	56	63	226
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	89	116	595
Electroplating, anodizing, and coloring metal	<1	18	19	71
Valve and fittings, other than plumbing, manufacturing	<1	7	8	23
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	125	209	1,116
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	336	492	2,207
Fabricated pipe and pipe fitting manufacturing	<1	29	31	89
Other fabricated metal manufacturing	<1	366	420	1,779
Farm machinery and equipment manufacturing	<1	16	21	167
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	35	50	271
Mining machinery and equipment manufacturing	<1	<1	<1	3
Oil and gas field machinery and equipment manufacturing	<1	<1	1	4
Semiconductor machinery manufacturing	<1	28	30	115
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	4
Optical instrument and lens manufacturing	<1	34,658	40,338	134,598
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	7	7	32
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	17	20	102
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	38	40	142
Machine tool manufacturing	<1	1	1	5
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	2	2	6
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	24	27	113
Other engine equipment manufacturing	<1	53	75	616
Pump and pumping equipment manufacturing	<1	1	2	7
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	7
Industrial truck, trailer, and stacker manufacturing	<1	3	4	22
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	1	1	5
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	5	6	21
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	2	9
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	<1	0	<1	<1
Computer terminals and other computer peripheral equipment manufacturing	<1	2	2	10
Telephone apparatus manufacturing	<1	5	6	23

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	1	2	9
Other communications equipment manufacturing	<1	2	3	10
Audio and video equipment manufacturing	<1	<1	<1	2
Printed circuit assembly (electronic assembly) manufacturing	<1	14	18	125
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	5	7	32
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	10	11	49
Other electronic component manufacturing	<1	36	41	133
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	2
Search, detection, and navigation instruments manufacturing	<1	3	4	12
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	5	6	23
Totalizing fluid meter and counting device manufacturing	<1	2	3	9
Electricity and signal testing instruments manufacturing	<1	39	44	113
Analytical laboratory instrument manufacturing	1	187,040	253,122	559,347
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	8	10	45
Blank magnetic and optical recording media manufacturing	<1	6	15	92
Software and other prerecorded and record reproducing	<1	2	2	7
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	4
Small electrical appliance manufacturing	0	0	0	0



Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	0	0	<1
Motor and generator manufacturing	<1	2	2	11
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	1
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	26	19	148
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	6	6	52
Wiring device manufacturing	<1	44	42	235
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	4	5	18
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	6	7	28
Truck trailer manufacturing	<1	4	5	25
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,603	1,814	8,036
Motor vehicle gasoline engine and engine parts manufacturing	<1	24	32	219
Motor vehicle electrical and electronic equipment manufacturing	<1	41	72	285
Motor vehicle transmission and power train parts manufacturing	<1	88	109	620
Motor vehicle seating and interior trim manufacturing	<1	5	6	41
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	133	170	1,602

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	0	0	<1
Aircraft engine and engine parts manufacturing	<1	2	3	19
Other aircraft parts and auxiliary equipment manufacturing	<1	10	12	30
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	<1	<1	<1	2
Boat building	<1	67	86	400
Motorcycle, bicycle, and parts manufacturing	<1	4	8	35
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	15	24	171
Wood kitchen cabinet and countertop manufacturing	<1	178	186	611
Upholstered household furniture manufacturing	<1	6	6	33
Nonupholstered wood household furniture manufacturing	<1	55	56	213
Other household nonupholstered furniture manufacturing	<1	10	11	83
Institutional furniture manufacturing	<1	1	2	7
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	9	8	33
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	2	3	13
Mattress manufacturing	<1	2	3	23
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	9	13	33
Surgical appliance and supplies manufacturing	<1	44	75	270

## Appendix

Dental equipment and supplies manufacturing	<1	7	11	37
Ophthalmic goods manufacturing	<1	10	16	38
Dental laboratories	<1	25	27	55
Jewelry and silverware manufacturing	<1	210	306	977
Sporting and athletic goods manufacturing	<1	360	484	1,595
Doll, toy, and game manufacturing	<1	68	108	385
Office supplies (except paper) manufacturing	<1	67	93	398
Sign manufacturing	<1	377	352	1,016
Gasket, packing, and sealing device manufacturing	<1	63	69	217
Musical instrument manufacturing	<1	61	65	166
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	82	112	298
All other miscellaneous manufacturing	<1	103	136	464
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,023	6,270	15,689
Wholesale - Professional and commercial equipment and supplies	<1	10,709	16,139	30,509
Wholesale - Household appliances and electrical and electronic goods	<1	7,780	17,820	43,860
Wholesale - Machinery, equipment, and supplies	<1	10,040	17,754	35,902
Wholesale - Other durable goods merchant wholesalers	<1	11,355	19,343	43,373
Wholesale - Drugs and druggists'sundries	<1	3,838	8,969	20,477
Wholesale - Grocery and related product wholesalers	<1	7,890	11,590	25,869
Wholesale - Petroleum and petroleum products	<1	1,975	15,576	23,054
Wholesale - Other nondurable goods merchant wholesalers	<1	17,096	32,498	77,585
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,205	8,154	10,114
Retail - Motor vehicle and parts dealers	<1	13,462	15,334	23,948
Retail - Furniture and home furnishings stores	<1	6,289	7,079	13,137

## Appendix

Retail - Electronics and appliance stores	<1	4,459	3,352	6,764
Retail - Building material and garden equipment and supplies stores	<1	8,855	13,261	20,118
Retail - Food and beverage stores	<1	20,080	24,467	42,278
Retail - Health and personal care stores	<1	7,843	9,049	14,792
Retail - Gasoline stores	<1	9,537	13,238	26,517
Retail - Clothing and clothing accessories stores	<1	4,895	6,143	16,145
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,440	6,027	11,644
Retail - General merchandise stores	<1	16,240	18,067	34,232
Retail - Miscellaneous store retailers	<1	16,106	14,209	20,533
Retail - Nonstore retailers	<1	8,138	36,790	79,419
Air transportation	<1	4,697	13,971	28,393
Rail transportation	<1	2,763	11,050	17,129
Water transportation	<1	-121	-112	997
Truck transportation	<1	21,663	32,288	67,596
Transit and ground passenger transportation	<1	4,027	5,342	7,978
Pipeline transportation	<1	3,101	5,655	11,241
Scenic and sightseeing transportation and support activities for transportation	<1	21,994	19,351	30,883
Couriers and messengers	<1	10,094	20,632	24,623
Warehousing and storage	<1	2,326	2,679	5,567
Newspaper publishers	<1	2,759	6,146	9,687
Periodical publishers	<1	457	832	1,768
Book publishers	<1	611	2,556	4,798
Directory, mailing list, and other publishers	<1	170	611	1,086
Greeting card publishing	0	0	0	0
Software publishers	<1	7,206	18,291	26,709
Motion picture and video industries	<1	4,658	7,354	18,098
Sound recording industries	<1	156	947	2,589
Radio and television broadcasting	<1	11,102	16,547	55,584
Cable and other subscription programming	<1	1,661	9,743	24,992
Wired telecommunications carriers	<1	8,747	19,210	39,323

## Appendix

Wireless telecommunications carriers (except satellite)	<1	1,030	8,225	21,807
Satellite, telecommunications resellers, and all other telecommunications	<1	818	1,004	2,740
Data processing, hosting, and related services	<1	6,506	12,097	49,840
News syndicates, libraries, archives and all other information services	<1	983	1,458	3,380
Internet publishing and broadcasting and web search portals	<1	5,859	14,177	59,941
Nondepository credit intermediation and related activities	<1	9,793	10,427	16,603
Securities and commodity contracts intermediation and brokerage	<1	20,637	17,247	44,942
Monetary authorities and depository credit intermediation	<1	64,225	176,878	299,479
Other financial investment activities	<1	6,815	7,762	26,377
Direct life insurance carriers	<1	371	812	1,171
Insurance carriers, except direct life	<1	8,836	30,924	68,125
Insurance agencies, brokerages, and related activities	<1	19,120	29,532	80,621
Funds, trusts, and other financial vehicles	<1	3,524	4,221	28,858
Other real estate	4	105,097	236,484	711,254
Tenant-occupied housing	<1	3,827	44,928	48,782
Owner-occupied dwellings	0	0	235,534	286,018
Automotive equipment rental and leasing	<1	5,428	14,444	21,144
General and consumer goods rental except video tapes and discs	<1	3,940	6,027	9,736
Video tape and disc rental	<1	1,085	1,580	2,767
Commercial and industrial machinery and equipment rental and leasing	<1	3,674	8,694	12,192
Lessors of nonfinancial intangible assets	<1	715	17,712	19,497
Legal services	<1	73,747	110,236	176,135
Accounting, tax preparation, bookkeeping, and payroll services	<1	25,743	32,907	59,300
Architectural, engineering, and related services	<1	37,343	41,037	80,870
Specialized design services	<1	1,829	3,109	6,262

## Appendix

Custom computer programming services	<1	31,678	30,458	46,415
Computer systems design services	<1	10,306	9,228	12,878
Other computer related services, including facilities management	<1	2,914	3,621	8,235
Management consulting services	1	78,392	80,672	145,416
Environmental and other technical consulting services	<1	14,480	16,066	29,352
Scientific research and development services	18	1,496,247	1,837,856	4,027,454
Advertising, public relations, and related services	<1	12,000	19,573	49,224
Photographic services	<1	663	1,547	3,878
Veterinary services	<1	4,263	4,788	8,120
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	19,855	34,137	77,101
Management of companies and enterprises	<1	49,458	54,639	102,828
Office administrative services	<1	23,215	8,537	26,412
Facilities support services	<1	2,494	3,293	8,503
Employment services	2	92,303	123,427	207,127
Business support services	<1	11,061	9,548	18,422
Travel arrangement and reservation services	<1	2,889	4,472	16,347
Investigation and security services	<1	5,078	5,132	7,616
Services to buildings	<1	10,506	14,264	34,741
Landscape and horticultural services	<1	10,516	12,560	26,630
Other support services	<1	3,804	4,746	11,192
Waste management and remediation services	<1	5,667	8,809	19,663
Elementary and secondary schools	<1	5,344	4,760	6,209
Junior colleges, colleges, universities, and professional schools	2	63,722	83,921	136,381
Other educational services	<1	5,191	5,786	12,534
Offices of physicians	<1	60,384	62,180	88,325
Offices of dentists	<1	13,846	15,724	22,034
Offices of other health practitioners	<1	9,956	13,249	17,487
Outpatient care centers	<1	8,809	8,883	14,754
Medical and diagnostic laboratories	<1	2,057	2,832	3,930
Home health care services	<1	7,927	8,103	10,978

## Appendix

Other ambulatory health care services	<1	4,566	5,178	8,235
Hospitals	1	134,513	153,400	281,962
Nursing and community care facilities	<1	10,944	11,797	19,909
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,569	6,825	10,351
Individual and family services	<1	14,295	12,046	17,786
Child day care services	<1	6,674	8,244	12,005
Community food, housing, and other relief services, including rehabilitation services	<1	4,487	4,186	10,032
Performing arts companies	<1	2,135	3,247	8,778
Commercial Sports Except Racing	<1	1,158	1,137	2,484
Racing and Track Operation	<1	112	167	436
Independent artists, writers, and performers	<1	4,001	8,795	18,992
Promoters of performing arts and sports and agents for public figures	<1	1,566	3,157	10,997
Museums, historical sites, zoos, and parks	<1	1,005	1,218	2,336
Amusement parks and arcades	<1	86	118	170
Gambling industries (except casino hotels)	<1	4,976	13,543	20,909
Other amusement and recreation industries	<1	4,639	3,212	5,589
Fitness and recreational sports centers	<1	1,876	2,377	4,420
Bowling centers	<1	412	576	1,014
Hotels and motels, including casino hotels	<1	1,913	3,731	5,924
Other accommodations	<1	348	384	542
Full-service restaurants	1	37,903	50,082	106,375
Limited-service restaurants	<1	25,268	33,483	83,456
All other food and drinking places	<1	23,580	34,157	60,678
Automotive repair and maintenance, except car washes	<1	26,583	24,350	39,650
Car washes	<1	12,329	14,614	23,468
Electronic and precision equipment repair and maintenance	<1	5,175	5,992	11,095
Commercial and industrial machinery and equipment repair and maintenance	<1	9,304	9,950	16,872
Personal and household goods repair and maintenance	<1	2,913	4,626	7,304

## Appendix

Personal care services	<1	5,087	3,377	4,187
Death care services	<1	2,029	1,480	2,151
Dry-cleaning and laundry services	<1	5,648	3,813	5,083
Other personal services	<1	6,033	6,886	10,330
Religious organizations	<1	20,725	7,409	33,629
Grantmaking, giving, and social advocacy organizations	<1	7,773	18,889	31,375
Business and professional associations	<1	4,884	6,998	13,755
Labor and civic organizations	<1	2,985	7,058	14,515
Private households	<1	1,544	1,544	1,551
Postal service	<1	10,943	10,988	11,071
Federal electric utilities	<1	1,138	2,567	8,271
Other federal government enterprises	<1	530	-5,773	389
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	633	1,119	2,138
Local government passenger transit	<1	1,084	300	951
Local government electric utilities	<1	362	1,203	2,414
Other local government enterprises	<1	7,108	16,655	46,333
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Nebraska

## NASA

Table 706: Detailed NASA Impacts by Types of Impact, Nebraska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	33	2,432,284	4,080,293	7,402,557
Oilseed farming	<1	7,730	17,165	42,622
Grain farming	<1	4,562	8,106	32,811
Vegetable and melon farming	<1	479	730	1,816
Fruit farming	<1	28	40	78
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	135	205	544
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	165	223	616
All other crop farming	<1	321	431	1,200
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,430	5,707	23,540
Dairy cattle and milk production	<1	348	629	3,816
Poultry and egg production	<1	127	293	2,991
Animal production, except cattle and poultry and eggs	<1	1,625	3,552	6,320
Forestry, forest products, and timber tract production	<1	18	21	28
Commercial logging	<1	22	99	121
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	32	72
Support activities for agriculture and forestry	<1	899	945	1,062
Oil and gas extraction	<1	90	161	8,582
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	64	88	222
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	220	449	956
Sand and gravel mining	<1	182	268	622

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	<1	<1	1
Phosphate rock mining	<1	0	<1	<1
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	3	4	10
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	1	2	7
Metal mining services	<1	<1	1	79
Other nonmetallic minerals services	<1	<1	<1	5
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	13	75	100
Electric power generation - Wind	<1	171	3,426	4,250
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	24	24	36
Electric power transmission and distribution	<1	619	5,449	8,166
Natural gas distribution	<1	5,161	37,010	42,721
Water, sewage and other systems	<1	100	460	658
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,551	7,550	18,745
Maintenance and repair construction of residential structures	<1	2,291	3,518	8,566
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	4	10
Dog and cat food manufacturing	<1	469	2,559	5,906
Other animal food manufacturing	<1	269	824	4,517
Flour milling	<1	268	1,099	3,314
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	967	4,372	12,820
Soybean and other oilseed processing	<1	84	1,339	5,075
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	810	4,276	6,578
Beet sugar manufacturing	<1	115	434	1,178
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	13	28	90
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	15	36	125
Frozen fruits, juices and vegetables manufacturing	<1	186	792	2,028
Frozen specialties manufacturing	<1	207	428	1,403
Canned fruits and vegetables manufacturing	<1	13	49	166
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	9	30	68
Cheese manufacturing	<1	5	11	125
Dry, condensed, and evaporated dairy product manufacturing	<1	108	558	1,764
Fluid milk manufacturing	<1	348	983	3,778
Creamery butter manufacturing	<1	46	367	1,135
Ice cream and frozen dessert manufacturing	<1	38	87	275

## Appendix

Frozen cakes and other pastries manufacturing	<1	207	328	640
Poultry processing	<1	890	1,472	5,939
Animal, except poultry, slaughtering	<1	3,570	5,491	32,947
Meat processed from carcasses	<1	1,604	1,584	11,266
Rendering and meat byproduct processing	<1	142	140	830
Seafood product preparation and packaging	<1	44	102	366
Bread and bakery product, except frozen, manufacturing	<1	1,221	2,579	4,965
Cookie and cracker manufacturing	<1	29	64	158
Dry pasta, mixes, and dough manufacturing	<1	37	181	399
Tortilla manufacturing	<1	159	306	828
Roasted nuts and peanut butter manufacturing	<1	76	296	757
Other snack food manufacturing	<1	111	522	1,266
Coffee and tea manufacturing	<1	<1	2	7
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	3	12	45
Spice and extract manufacturing	<1	2	7	26
All other food manufacturing	<1	242	532	1,697
Bottled and canned soft drinks & water	<1	169	492	1,570
Manufactured ice	<1	51	50	168
Breweries	<1	182	648	1,910
Wineries	<1	93	270	1,090
Distilleries	<1	13	99	211
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	9	11	64
Broadwoven fabric mills	<1	3	4	16
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	9	13	60
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	21
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	37	52	248
Curtain and linen mills	<1	3	3	11
Textile bag and canvas mills	<1	11	13	39
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	70	78	205
Hosiery and sock mills	<1	<1	<1	3
Other apparel knitting mills	<1	<1	1	4
Cut and sew apparel contractors	<1	1	2	4
Men's and boys' cut and sew apparel manufacturing	<1	3	4	14
Women's and girls' cut and sew apparel manufacturing	<1	3	6	30
Other cut and sew apparel manufacturing	<1	2	3	13
Apparel accessories and other apparel manufacturing	<1	3	5	16
Leather and hide tanning and finishing	<1	50	122	287
Footwear manufacturing	<1	<1	1	4
Other leather and allied product manufacturing	<1	0	<1	<1
Sawmills	<1	41	87	321
Wood preservation	<1	13	47	148
Veneer and plywood manufacturing	<1	15	27	108
Engineered wood member and truss manufacturing	<1	122	240	785
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	584	891	2,444
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	33	62	175
Wood container and pallet manufacturing	<1	224	349	1,001
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	26	53	152
All other miscellaneous wood product manufacturing	<1	36	57	178
Pulp mills	0	0	0	0
Paper mills	<1	99	217	870
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	749	1,158	5,542
Paper bag and coated and treated paper manufacturing	<1	37	60	248
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	<1	55	169	736
All other converted paper product manufacturing	<1	17	30	134
Printing	<1	5,648	5,914	15,310
Support activities for printing	<1	528	534	960
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	36	35	123
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	70	47	304
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	128	574	1,740
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	59	179	392
Other basic organic chemical manufacturing	<1	319	1,132	5,606
Plastics material and resin manufacturing	<1	190	450	2,437
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	43	223	516
Phosphatic fertilizer manufacturing	<1	17	65	154
Fertilizer mixing	<1	4	12	30
Pesticide and other agricultural chemical manufacturing	<1	68	342	905
Medicinal and botanical manufacturing	<1	20	44	99
Pharmaceutical preparation manufacturing	<1	189	712	1,420
In-vitro diagnostic substance manufacturing	<1	45	83	169
Biological product (except diagnostic) manufacturing	<1	151	643	1,220
Paint and coating manufacturing	<1	51	143	518
Adhesive manufacturing	<1	43	93	347
Soap and other detergent manufacturing	<1	189	724	1,949
Polish and other sanitation good manufacturing	<1	42	91	262

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	28	124	310
Printing ink manufacturing	<1	7	9	40
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	39	101	285
Photographic film and chemical manufacturing	<1	79	234	616
Other miscellaneous chemical product manufacturing	<1	22	45	144
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	44	53	252
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	49	77	457
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	33	40	204
Polystyrene foam product manufacturing	<1	65	83	401
Urethane and other foam product (except polystyrene) manufacturing	<1	12	14	74
Plastics bottle manufacturing	<1	5	6	48
Other plastics product manufacturing	<1	1,297	1,536	6,448
Tire manufacturing	<1	41	47	179
Rubber and plastics hoses and belting manufacturing	<1	112	138	528
Other rubber product manufacturing	<1	264	293	1,104
Pottery, ceramics, and plumbing fixture manufacturing	<1	6	11	22
Brick, tile, and other structural clay product manufacturing	<1	115	244	520
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	32	72	174
Cement manufacturing	<1	77	237	546
Ready-mix concrete manufacturing	<1	431	875	2,626
Concrete block and brick manufacturing	<1	128	290	730
Concrete pipe manufacturing	<1	27	56	127



## Appendix

Other concrete product manufacturing	<1	185	332	783
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	100	150	316
Ground or treated mineral and earth manufacturing	<1	22	70	143
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	3	10	21
Iron and steel mills and ferroalloy manufacturing	<1	340	747	3,866
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	45	129	495
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	67	119	913
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	23	33	94
Nonferrous metal foundries	<1	29	37	110
Custom roll forming	<1	8	11	63
Crown and closure manufacturing and metal stamping	<1	7	9	29
Iron and steel forging	<1	6	8	32
Nonferrous forging	<1	1	1	6
Cutlery, utensil, pot, and pan manufacturing	<1	<1	2	4
Handtool manufacturing	<1	3	5	12
Prefabricated metal buildings and components manufacturing	<1	71	108	354

## Appendix

Fabricated structural metal manufacturing	<1	360	548	1,784
Plate work manufacturing	<1	257	295	933
Metal window and door manufacturing	<1	98	139	410
Sheet metal work manufacturing	<1	159	220	649
Ornamental and architectural metal work manufacturing	<1	31	38	130
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	17	22	75
Metal cans manufacturing	<1	11	21	110
Metal barrels, drums and pails manufacturing	<1	8	11	47
Hardware manufacturing	<1	11	16	60
Spring and wire product manufacturing	<1	6	8	35
Machine shops	<1	4,343	5,217	12,509
Turned product and screw, nut, and bolt manufacturing	<1	89	116	397
Metal heat treating	<1	33	44	112
Metal coating and nonprecious engraving	<1	92	164	497
Electroplating, anodizing, and coloring metal	<1	304	332	734
Valve and fittings, other than plumbing, manufacturing	<1	72	110	384
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	799	1,844	4,134
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3	6	23
Fabricated pipe and pipe fitting manufacturing	<1	7	9	30
Other fabricated metal manufacturing	<1	148	200	665
Farm machinery and equipment manufacturing	<1	71	144	554
Lawn and garden equipment manufacturing	<1	32	60	237
Construction machinery manufacturing	<1	13	35	105
Mining machinery and equipment manufacturing	<1	<1	1	4

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	3	4	11
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	1	3
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	6	10	32
Air purification and ventilation equipment manufacturing	<1	6	8	22
Heating equipment (except warm air furnaces) manufacturing	<1	28	47	141
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	47	87	279
Industrial mold manufacturing	<1	12	15	31
Special tool, die, jig, and fixture manufacturing	<1	8	11	20
Cutting tool and machine tool accessory manufacturing	<1	11	14	37
Machine tool manufacturing	<1	14	19	62
Rolling mill and other metalworking machinery manufacturing	<1	22	30	78
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4	7	21
Mechanical power transmission equipment manufacturing	<1	11	18	62
Other engine equipment manufacturing	<1	17	44	177
Pump and pumping equipment manufacturing	<1	2	5	14
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	4	4	13
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	8	29
Industrial truck, trailer, and stacker manufacturing	<1	1	3	10
Power-driven handtool manufacturing	<1	2	7	22
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	19	28	87
Fluid power pump and motor manufacturing	<1	3	5	18
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	3
Electronic computer manufacturing	<1	1,542	2,175	5,960
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	30	43	154
Telephone apparatus manufacturing	<1	1	2	8
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	11	19	81
Audio and video equipment manufacturing	<1	<1	<1	5
Printed circuit assembly (electronic assembly) manufacturing	<1	10	16	76
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	7	10	34
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	288	364	1,244
Electronic connector manufacturing	<1	50	66	215
Other electronic component manufacturing	<1	2	2	10

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	2	3	8
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	15	20	60
Industrial process variable instruments manufacturing	<1	2	2	9
Totalizing fluid meter and counting device manufacturing	<1	9	18	57
Electricity and signal testing instruments manufacturing	<1	8	9	38
Analytical laboratory instrument manufacturing	<1	6,100	9,585	24,785
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	5	7	26
Blank magnetic and optical recording media manufacturing	<1	4	18	285
Software and other prerecorded and record reproducing	<1	4	6	56
Electric lamp bulb and part manufacturing	<1	<1	<1	2
Lighting fixture manufacturing	<1	3	4	18
Small electrical appliance manufacturing	<1	2	3	11
Household cooking appliance manufacturing	<1	0	0	3
Household refrigerator and home freezer manufacturing	<1	0	1	4
Household laundry equipment manufacturing	<1	1	1	9
Other major household appliance manufacturing	<1	0	0	1
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	25	37	119
Relay and industrial control manufacturing	<1	<1	<1	3
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	15	22	115
Wiring device manufacturing	<1	77	128	482
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	1	2	5
Automobile manufacturing	<1	269	958	5,199
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	17	22	88
Truck trailer manufacturing	<1	5	7	26
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	35	43	237
Motor vehicle gasoline engine and engine parts manufacturing	<1	309	502	2,493
Motor vehicle electrical and electronic equipment manufacturing	<1	105	148	642
Motor vehicle transmission and power train parts manufacturing	<1	425	635	3,063
Motor vehicle seating and interior trim manufacturing	<1	39	47	262
Motor vehicle metal stamping	<1	75	96	362
Other motor vehicle parts manufacturing	<1	1,087	1,518	6,764
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	210	319	1,364
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	<1	<1	2
Other aircraft parts and auxiliary equipment manufacturing	<1	1	1	4
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	1	7
Ship building and repairing	0	0	0	0
Boat building	<1	53	73	251
Motorcycle, bicycle, and parts manufacturing	<1	5	12	31

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	212	385	1,838
Wood kitchen cabinet and countertop manufacturing	<1	76	81	245
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	13	14	52
Other household nonupholstered furniture manufacturing	<1	<1	<1	2
Institutional furniture manufacturing	<1	2	2	9
Wood office furniture manufacturing	<1	<1	<1	3
Custom architectural woodwork and millwork	<1	2	2	6
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	39	42	159
Mattress manufacturing	<1	<1	<1	4
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	432	1,143	1,918
Surgical appliance and supplies manufacturing	<1	70	265	415
Dental equipment and supplies manufacturing	<1	<1	<1	1
Ophthalmic goods manufacturing	<1	3	12	20
Dental laboratories	<1	25	36	58
Jewelry and silverware manufacturing	<1	56	103	302
Sporting and athletic goods manufacturing	<1	16	38	88
Doll, toy, and game manufacturing	<1	12	48	99
Office supplies (except paper) manufacturing	<1	22	59	149
Sign manufacturing	<1	340	340	819
Gasket, packing, and sealing device manufacturing	<1	5	6	14
Musical instrument manufacturing	<1	5	7	16
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	<1	47	127	256
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	42	90	173
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,893	4,342	9,448
Wholesale - Professional and commercial equipment and supplies	<1	8,940	14,613	25,250
Wholesale - Household appliances and electrical and electronic goods	<1	2,649	6,780	14,886
Wholesale - Machinery, equipment, and supplies	<1	4,066	7,867	14,247
Wholesale - Other durable goods merchant wholesalers	<1	6,177	11,571	23,111
Wholesale - Drugs and druggistsâ€™ sundries	<1	4,085	10,971	21,826
Wholesale - Grocery and related product wholesalers	<1	4,201	6,643	12,960
Wholesale - Petroleum and petroleum products	<1	1,031	10,411	13,462
Wholesale - Other nondurable goods merchant wholesalers	<1	11,185	24,126	45,679
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,741	2,012	2,397
Retail - Motor vehicle and parts dealers	<1	6,770	9,027	13,547
Retail - Furniture and home furnishings stores	<1	3,655	4,606	7,949
Retail - Electronics and appliance stores	<1	3,321	2,972	5,033
Retail - Building material and garden equipment and supplies stores	<1	3,473	6,512	9,786
Retail - Food and beverage stores	<1	9,692	13,776	25,228
Retail - Health and personal care stores	<1	6,332	8,062	12,674
Retail - Gasoline stores	<1	3,183	7,381	16,311
Retail - Clothing and clothing accessories stores	<1	2,964	4,729	11,654
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,892	3,688	6,945
Retail - General merchandise stores	<1	9,577	12,423	23,121
Retail - Miscellaneous store retailers	<1	6,498	6,091	11,233
Retail - Nonstore retailers	<1	4,837	29,329	52,961
Air transportation	<1	4,741	20,347	35,572



## Appendix

Rail transportation	<1	2,852	14,286	19,277
Water transportation	<1	-144	-131	5,856
Truck transportation	<1	29,558	52,122	98,290
Transit and ground passenger transportation	<1	1,986	2,879	4,582
Pipeline transportation	<1	22,686	18,795	16,787
Scenic and sightseeing transportation and support activities for transportation	<1	9,949	9,527	14,876
Couriers and messengers	<1	4,902	12,022	14,513
Warehousing and storage	<1	7,870	8,918	15,594
Newspaper publishers	<1	1,955	2,952	5,181
Periodical publishers	<1	1,510	1,970	3,314
Book publishers	<1	202	454	1,103
Directory, mailing list, and other publishers	<1	4,179	8,654	16,053
Greeting card publishing	0	0	0	0
Software publishers	2	247,255	452,983	634,354
Motion picture and video industries	<1	3,040	4,897	25,063
Sound recording industries	<1	93	664	2,149
Radio and television broadcasting	<1	10,547	16,152	51,275
Cable and other subscription programming	<1	3,761	25,002	67,117
Wired telecommunications carriers	<1	3,958	8,989	21,199
Wireless telecommunications carriers (except satellite)	<1	484	4,302	12,319
Satellite, telecommunications resellers, and all other telecommunications	<1	594	712	2,634
Data processing, hosting, and related services	<1	17,773	53,300	119,030
News syndicates, libraries, archives and all other information services	<1	1,720	3,241	6,014
Internet publishing and broadcasting and web search portals	<1	15,152	51,453	182,534
Nondepository credit intermediation and related activities	<1	13,561	14,252	21,689
Securities and commodity contracts intermediation and brokerage	<1	17,396	16,738	35,707
Monetary authorities and depository credit intermediation	<1	36,341	81,864	145,414

## Appendix

Other financial investment activities	<1	9,329	11,440	32,632
Direct life insurance carriers	<1	3,787	18,759	21,531
Insurance carriers, except direct life	<1	6,576	66,970	84,855
Insurance agencies, brokerages, and related activities	<1	5,288	19,454	30,874
Funds, trusts, and other financial vehicles	<1	2,622	2,185	19,474
Other real estate	1	15,584	72,522	211,473
Tenant-occupied housing	<1	1,838	32,180	35,494
Owner-occupied dwellings	0	0	140,212	169,213
Automotive equipment rental and leasing	<1	1,536	3,343	5,039
General and consumer goods rental except video tapes and discs	<1	2,026	3,326	5,080
Video tape and disc rental	<1	460	799	1,280
Commercial and industrial machinery and equipment rental and leasing	<1	2,194	4,529	6,436
Lessors of nonfinancial intangible assets	<1	715	13,911	14,837
Legal services	<1	30,893	56,159	78,577
Accounting, tax preparation, bookkeeping, and payroll services	<1	17,341	21,347	35,158
Architectural, engineering, and related services	<1	53,480	58,149	106,380
Specialized design services	<1	1,272	2,065	4,015
Custom computer programming services	<1	11,977	12,864	18,142
Computer systems design services	<1	8,088	7,825	10,443
Other computer related services, including facilities management	<1	7,123	9,501	18,140
Management consulting services	<1	81,187	83,949	140,864
Environmental and other technical consulting services	<1	4,827	5,329	9,379
Scientific research and development services	5	439,679	668,391	1,313,832
Advertising, public relations, and related services	<1	10,831	16,612	40,493
Photographic services	<1	364	877	2,148
Veterinary services	<1	1,759	1,961	3,230
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	15,484	24,139	56,784
Management of companies and enterprises	<1	90,622	100,702	161,569

## Appendix

Office administrative services	<1	23,684	8,042	24,021
Facilities support services	<1	475	650	1,546
Employment services	1	72,237	99,574	151,716
Business support services	<1	9,846	8,604	15,539
Travel arrangement and reservation services	<1	2,278	3,717	12,618
Investigation and security services	<1	5,001	5,233	7,539
Services to buildings	<1	7,254	10,613	22,056
Landscape and horticultural services	<1	4,753	6,076	11,573
Other support services	<1	2,446	3,199	6,541
Waste management and remediation services	<1	3,398	5,548	11,660
Elementary and secondary schools	<1	763	541	735
Junior colleges, colleges, universities, and professional schools	4	186,955	217,185	315,510
Other educational services	<1	13,646	15,407	34,846
Offices of physicians	<1	46,581	47,113	64,481
Offices of dentists	<1	7,880	10,076	13,320
Offices of other health practitioners	<1	5,501	9,499	11,972
Outpatient care centers	<1	9,795	9,781	14,363
Medical and diagnostic laboratories	<1	1,945	3,646	4,655
Home health care services	<1	5,571	5,618	7,306
Other ambulatory health care services	<1	2,774	3,489	5,228
Hospitals	<1	63,021	76,619	145,361
Nursing and community care facilities	<1	11,059	12,507	20,633
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,056	6,222	8,397
Individual and family services	<1	11,075	9,563	13,557
Child day care services	<1	4,943	6,536	9,486
Community food, housing, and other relief services, including rehabilitation services	<1	2,930	2,754	6,345
Performing arts companies	<1	920	1,221	3,124
Commercial Sports Except Racing	<1	906	695	1,474
Racing and Track Operation	<1	274	367	854
Independent artists, writers, and performers	<1	2,180	3,607	7,986

Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,381	3,785	13,964
Museums, historical sites, zoos, and parks	<1	789	871	1,710
Amusement parks and arcades	<1	133	278	360
Gambling industries (except casino hotels)	<1	1,149	4,895	6,610
Other amusement and recreation industries	<1	1,300	1,380	2,162
Fitness and recreational sports centers	<1	876	1,228	2,252
Bowling centers	<1	176	254	477
Hotels and motels, including casino hotels	<1	573	1,102	1,808
Other accommodations	<1	172	209	279
Full-service restaurants	<1	15,425	25,877	51,398
Limited-service restaurants	<1	12,158	21,126	50,658
All other food and drinking places	<1	13,193	19,492	33,891
Automotive repair and maintenance, except car washes	<1	15,176	18,277	26,617
Car washes	<1	7,370	10,225	16,132
Electronic and precision equipment repair and maintenance	<1	7,165	9,610	15,706
Commercial and industrial machinery and equipment repair and maintenance	<1	10,530	13,397	19,876
Personal and household goods repair and maintenance	<1	1,378	3,081	4,266
Personal care services	<1	2,939	2,742	3,165
Death care services	<1	866	864	1,113
Dry-cleaning and laundry services	<1	2,022	1,940	2,340
Other personal services	<1	2,333	3,130	4,442
Religious organizations	<1	5,684	4,771	10,877
Grantmaking, giving, and social advocacy organizations	<1	3,324	14,203	19,532
Business and professional associations	<1	1,855	3,844	6,566
Labor and civic organizations	<1	1,580	6,576	11,585
Private households	<1	1,499	1,499	1,499
Postal service	<1	8,767	8,814	8,818
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	340	-4,710	257
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	305	465	756
Local government passenger transit	<1	592	188	428
Local government electric utilities	<1	9,155	30,267	55,783
Other local government enterprises	<1	4,210	9,030	18,955
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	301,175	531,096	971,893

## Moon to Mars Campaign

**Table 707: Detailed M2M Campaign Impacts by Types of Impact, Nebraska**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	4	281,317	441,032	787,168
Oilseed farming	<1	829	2,104	5,290
Grain farming	<1	464	1,027	3,435
Vegetable and melon farming	<1	65	104	252
Fruit farming	<1	5	7	13
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	14	23	57
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	17	23	63
All other crop farming	<1	30	42	114
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	337	667	2,540
Dairy cattle and milk production	<1	56	114	616
Poultry and egg production	<1	13	32	294
Animal production, except cattle and poultry and eggs	<1	128	316	556
Forestry, forest products, and timber tract production	<1	1	2	2
Commercial logging	<1	2	8	9
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	3	7
Support activities for agriculture and forestry	<1	82	88	98
Oil and gas extraction	<1	6	12	696
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	1	2	5
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	14	28	60
Sand and gravel mining	<1	9	14	31
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	0	0	<1
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	<1	<1	<1
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	<1	<1
Metal mining services	<1	<1	<1	8
Other nonmetallic minerals services	<1	0	0	<1
Electric power generation - Hydroelectric	0	0	0	0

## Appendix

Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	1	8	10
Electric power generation - Wind	<1	12	232	285
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	2	2	3
Electric power transmission and distribution	<1	56	466	696
Natural gas distribution	<1	793	5,414	6,068
Water, sewage and other systems	<1	18	79	110
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	391	672	1,605
Maintenance and repair construction of residential structures	<1	262	415	971
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	58	315	715
Other animal food manufacturing	<1	27	84	451
Flour milling	<1	29	120	371

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	64	303	834
Soybean and other oilseed processing	<1	10	155	616
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	117	590	947
Beet sugar manufacturing	<1	26	92	258
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2	5	14
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	5	18
Frozen fruits, juices and vegetables manufacturing	<1	28	123	291
Frozen specialties manufacturing	<1	28	57	187
Canned fruits and vegetables manufacturing	<1	2	8	27
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	2	7	15
Cheese manufacturing	<1	<1	2	27
Dry, condensed, and evaporated dairy product manufacturing	<1	16	81	259
Fluid milk manufacturing	<1	60	174	655
Creamery butter manufacturing	<1	8	63	199
Ice cream and frozen dessert manufacturing	<1	6	14	43
Frozen cakes and other pastries manufacturing	<1	34	54	103
Poultry processing	<1	76	128	528
Animal, except poultry, slaughtering	<1	490	761	4,632
Meat processed from carcasses	<1	177	176	1,258
Rendering and meat byproduct processing	<1	18	18	105
Seafood product preparation and packaging	<1	7	17	58
Bread and bakery product, except frozen, manufacturing	<1	194	413	792
Cookie and cracker manufacturing	<1	4	9	21
Dry pasta, mixes, and dough manufacturing	<1	6	27	63
Tortilla manufacturing	<1	20	38	103



## Appendix

Roasted nuts and peanut butter manufacturing	<1	11	42	104
Other snack food manufacturing	<1	14	64	154
Coffee and tea manufacturing	<1	<1	<1	1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	2	7
Spice and extract manufacturing	<1	<1	1	5
All other food manufacturing	<1	39	85	272
Bottled and canned soft drinks & water	<1	18	51	164
Manufactured ice	<1	6	6	18
Breweries	<1	34	126	370
Wineries	<1	16	45	170
Distilleries	<1	2	15	32
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	6
Broadwoven fabric mills	<1	0	0	1
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	0	0	5
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	<1	3
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	4	6	27
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	1	1	4
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	7	7	18
Hosiery and sock mills	<1	0	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	2
Women's and girls' cut and sew apparel manufacturing	<1	<1	1	5
Other cut and sew apparel manufacturing	<1	<1	<1	3
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	<1	9	20	46
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	0	0	0	0

## Appendix

Sawmills	<1	3	6	21
Wood preservation	<1	<1	3	10
Veneer and plywood manufacturing	<1	<1	2	7
Engineered wood member and truss manufacturing	<1	9	17	56
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	33	50	136
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	2	4	11
Wood container and pallet manufacturing	<1	21	33	95
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	2	5	14
All other miscellaneous wood product manufacturing	<1	3	5	16
Pulp mills	0	0	0	0
Paper mills	<1	8	15	66
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	78	120	578
Paper bag and coated and treated paper manufacturing	<1	3	4	19
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	5	15	66
All other converted paper product manufacturing	<1	1	2	9
Printing	<1	265	282	709
Support activities for printing	<1	24	24	43
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	3	3	10
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	7	5	30
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	8	37	109

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	4	14	29
Other basic organic chemical manufacturing	<1	20	76	370
Plastics material and resin manufacturing	<1	14	35	187
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	4	24	52
Phosphatic fertilizer manufacturing	<1	1	6	14
Fertilizer mixing	<1	<1	1	3
Pesticide and other agricultural chemical manufacturing	<1	7	38	96
Medicinal and botanical manufacturing	<1	4	11	20
Pharmaceutical preparation manufacturing	<1	28	127	225
In-vitro diagnostic substance manufacturing	<1	12	22	43
Biological product (except diagnostic) manufacturing	<1	25	116	204
Paint and coating manufacturing	<1	5	14	48
Adhesive manufacturing	<1	5	11	40
Soap and other detergent manufacturing	<1	21	89	221
Polish and other sanitation good manufacturing	<1	4	10	27
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	3	19	43
Printing ink manufacturing	<1	0	<1	1
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	5	15	39
Photographic film and chemical manufacturing	<1	4	12	30
Other miscellaneous chemical product manufacturing	<1	3	6	19
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	5	7	31
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	4	6	33

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2	2	11
Polystyrene foam product manufacturing	<1	5	7	31
Urethane and other foam product (except polystyrene) manufacturing	<1	1	1	7
Plastics bottle manufacturing	<1	<1	<1	5
Other plastics product manufacturing	<1	127	153	621
Tire manufacturing	<1	3	4	13
Rubber and plastics hoses and belting manufacturing	<1	7	9	32
Other rubber product manufacturing	<1	14	16	61
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	2
Brick, tile, and other structural clay product manufacturing	<1	7	14	30
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	3	6	16
Cement manufacturing	<1	4	13	30
Ready-mix concrete manufacturing	<1	22	44	133
Concrete block and brick manufacturing	<1	7	16	41
Concrete pipe manufacturing	<1	2	4	8
Other concrete product manufacturing	<1	11	20	48
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	9	13	28
Ground or treated mineral and earth manufacturing	<1	2	6	12
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	<1	1
Iron and steel mills and ferroalloy manufacturing	<1	27	60	308
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0

## Appendix

Rolled steel shape manufacturing	<1	3	9	37
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	9	17	129
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	2	3	9
Nonferrous metal foundries	<1	2	3	10
Custom roll forming	<1	<1	<1	4
Crown and closure manufacturing and metal stamping	<1	<1	1	3
Iron and steel forging	<1	<1	<1	2
Nonferrous forging	<1	<1	<1	<1
Cutlery, utensil, pot, and pan manufacturing	<1	0	<1	<1
Handtool manufacturing	<1	<1	<1	2
Prefabricated metal buildings and components manufacturing	<1	6	8	27
Fabricated structural metal manufacturing	<1	16	25	82
Plate work manufacturing	<1	8	9	28
Metal window and door manufacturing	<1	7	10	30
Sheet metal work manufacturing	<1	39	53	153
Ornamental and architectural metal work manufacturing	<1	2	2	8
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	2	3	10
Metal cans manufacturing	<1	2	3	17
Metal barrels, drums and pails manufacturing	<1	<1	1	6
Hardware manufacturing	<1	1	2	5
Spring and wire product manufacturing	<1	<1	<1	3

## Appendix

Machine shops	<1	52	62	148
Turned product and screw, nut, and bolt manufacturing	<1	17	22	74
Metal heat treating	<1	2	2	6
Metal coating and nonprecious engraving	<1	6	11	34
Electroplating, anodizing, and coloring metal	<1	24	26	58
Valve and fittings, other than plumbing, manufacturing	<1	5	8	26
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	76	171	378
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	0	<1	3
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	2
Other fabricated metal manufacturing	<1	14	19	63
Farm machinery and equipment manufacturing	<1	4	9	32
Lawn and garden equipment manufacturing	<1	2	4	15
Construction machinery manufacturing	<1	<1	2	4
Mining machinery and equipment manufacturing	<1	0	0	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	0	<1	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	1	4

## Appendix

Air purification and ventilation equipment manufacturing	<1	<1	<1	1
Heating equipment (except warm air furnaces) manufacturing	<1	6	10	29
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5	8	27
Industrial mold manufacturing	<1	<1	<1	1
Special tool, die, jig, and fixture manufacturing	<1	<1	1	2
Cutting tool and machine tool accessory manufacturing	<1	<1	1	3
Machine tool manufacturing	<1	<1	1	4
Rolling mill and other metalworking machinery manufacturing	<1	<1	1	3
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	0	0	<1
Mechanical power transmission equipment manufacturing	<1	<1	1	4
Other engine equipment manufacturing	<1	0	3	11
Pump and pumping equipment manufacturing	<1	<1	<1	1
Air and gas compressor manufacturing	<1	0	0	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	3
Industrial truck, trailer, and stacker manufacturing	<1	0	<1	1
Power-driven handtool manufacturing	<1	<1	<1	3
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	0	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	1	2	5
Fluid power pump and motor manufacturing	<1	<1	<1	2

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	<1	<1	2
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	2	3	9
Telephone apparatus manufacturing	<1	0	0	<1
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	4
Audio and video equipment manufacturing	<1	0	0	1
Printed circuit assembly (electronic assembly) manufacturing	<1	2	3	16
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	2
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	8	10	32
Electronic connector manufacturing	<1	1	2	6
Other electronic component manufacturing	<1	<1	<1	2
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	0	1	4
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	2	5
Electricity and signal testing instruments manufacturing	<1	6	8	30
Analytical laboratory instrument manufacturing	<1	4,010	6,377	16,209
Irradiation apparatus manufacturing	0	0	0	0



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	1	2	5
Blank magnetic and optical recording media manufacturing	<1	<1	1	18
Software and other prerecorded and record reproducing	<1	<1	<1	3
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	<1	<1	2
Small electrical appliance manufacturing	<1	0	0	1
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	<1	0	0	<1
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	2	2	8
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	3	15
Wiring device manufacturing	<1	10	17	64
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	30	90	512
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2	2	9
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3	4	20

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	24	39	196
Motor vehicle electrical and electronic equipment manufacturing	<1	8	12	49
Motor vehicle transmission and power train parts manufacturing	<1	34	50	239
Motor vehicle seating and interior trim manufacturing	<1	3	4	19
Motor vehicle metal stamping	<1	3	4	16
Other motor vehicle parts manufacturing	<1	95	129	584
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	15	23	97
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	0	0	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	0	0	<1
Ship building and repairing	0	0	0	0
Boat building	<1	5	6	21
Motorcycle, bicycle, and parts manufacturing	<1	<1	1	3
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	17	29	144
Wood kitchen cabinet and countertop manufacturing	<1	6	7	20
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	2	2	6
Other household nonupholstered furniture manufacturing	<1	0	<1	<1
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	4	4	14
Mattress manufacturing	<1	<1	<1	<1
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	42	120	189
Surgical appliance and supplies manufacturing	<1	9	35	51
Dental equipment and supplies manufacturing	<1	0	0	<1
Ophthalmic goods manufacturing	<1	<1	1	2
Dental laboratories	<1	4	5	9
Jewelry and silverware manufacturing	<1	6	12	34
Sporting and athletic goods manufacturing	<1	2	5	11
Doll, toy, and game manufacturing	<1	2	6	11
Office supplies (except paper) manufacturing	<1	3	8	18
Sign manufacturing	<1	15	15	35
Gasket, packing, and sealing device manufacturing	<1	<1	<1	1
Musical instrument manufacturing	<1	<1	1	3
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	6	18	34
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	4	9	17
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	194	442	966
Wholesale - Professional and commercial equipment and supplies	<1	705	1,152	1,968
Wholesale - Household appliances and electrical and electronic goods	<1	320	814	1,788
Wholesale - Machinery, equipment, and supplies	<1	319	614	1,113
Wholesale - Other durable goods merchant wholesalers	<1	607	1,133	2,262

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	446	1,175	2,326
Wholesale - Grocery and related product wholesalers	<1	529	828	1,613
Wholesale - Petroleum and petroleum products	<1	70	921	1,151
Wholesale - Other nondurable goods merchant wholesalers	<1	1,203	2,690	4,987
Wholesale - Wholesale electronic markets and agents and brokers	<1	169	195	232
Retail - Motor vehicle and parts dealers	<1	703	948	1,412
Retail - Furniture and home furnishings stores	<1	400	509	866
Retail - Electronics and appliance stores	<1	360	330	544
Retail - Building material and garden equipment and supplies stores	<1	367	696	1,036
Retail - Food and beverage stores	<1	1,114	1,588	2,855
Retail - Health and personal care stores	<1	708	905	1,398
Retail - Gasoline stores	<1	319	705	1,490
Retail - Clothing and clothing accessories stores	<1	329	528	1,262
Retail - Sporting goods, hobby, musical instrument and book stores	<1	326	415	763
Retail - General merchandise stores	<1	1,025	1,344	2,455
Retail - Miscellaneous store retailers	<1	727	686	1,226
Retail - Nonstore retailers	<1	510	3,175	5,703
Air transportation	<1	107	507	839
Rail transportation	<1	131	549	811
Water transportation	<1	0	0	12
Truck transportation	<1	1,352	2,350	4,356
Transit and ground passenger transportation	<1	226	327	470
Pipeline transportation	<1	568	813	743
Scenic and sightseeing transportation and support activities for transportation	<1	511	480	748
Couriers and messengers	<1	337	803	969
Warehousing and storage	<1	740	843	1,450
Newspaper publishers	<1	117	190	320
Periodical publishers	<1	113	165	255
Book publishers	<1	20	50	113

## Appendix

Directory, mailing list, and other publishers	<1	204	456	825
Greeting card publishing	0	0	0	0
Software publishers	<1	1,440	2,654	3,872
Motion picture and video industries	<1	79	134	558
Sound recording industries	<1	9	65	195
Radio and television broadcasting	<1	598	890	2,561
Cable and other subscription programming	<1	268	1,664	4,122
Wired telecommunications carriers	<1	276	634	1,492
Wireless telecommunications carriers (except satellite)	<1	37	346	965
Satellite, telecommunications resellers, and all other telecommunications	<1	35	40	152
Data processing, hosting, and related services	<1	564	1,726	3,658
News syndicates, libraries, archives and all other information services	<1	148	290	483
Internet publishing and broadcasting and web search portals	<1	267	960	2,907
Nondepository credit intermediation and related activities	<1	1,393	1,468	2,174
Securities and commodity contracts intermediation and brokerage	<1	1,790	1,692	3,289
Monetary authorities and depository credit intermediation	<1	2,727	6,727	11,411
Other financial investment activities	<1	1,303	1,599	4,030
Direct life insurance carriers	<1	387	1,903	2,152
Insurance carriers, except direct life	<1	598	5,997	7,513
Insurance agencies, brokerages, and related activities	<1	467	1,697	2,664
Funds, trusts, and other financial vehicles	<1	332	274	2,257
Other real estate	<1	1,502	6,502	18,170
Tenant-occupied housing	<1	244	3,965	4,332
Owner-occupied dwellings	0	0	16,150	19,490
Automotive equipment rental and leasing	<1	124	276	410

Appendix

General and consumer goods rental except video tapes and discs	<1	244	398	603
Video tape and disc rental	<1	51	88	141
Commercial and industrial machinery and equipment rental and leasing	<1	111	230	327
Lessors of nonfinancial intangible assets	<1	40	845	899
Legal services	<1	1,613	3,006	4,138
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,099	1,390	2,239
Architectural, engineering, and related services	<1	557	611	1,098
Specialized design services	<1	90	153	284
Custom computer programming services	<1	967	1,035	1,456
Computer systems design services	<1	473	458	606
Other computer related services, including facilities management	<1	427	570	1,068
Management consulting services	<1	1,211	1,255	2,054
Environmental and other technical consulting services	<1	250	280	484
Scientific research and development services	<1	15,305	23,226	44,494
Advertising, public relations, and related services	<1	525	832	1,948
Photographic services	<1	23	59	135
Veterinary services	<1	201	228	366
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	753	1,214	2,767
Management of companies and enterprises	<1	6,287	7,042	11,085
Office administrative services	<1	1,047	364	1,034
Facilities support services	<1	19	26	60
Employment services	<1	2,947	4,093	6,031
Business support services	<1	591	520	904
Travel arrangement and reservation services	<1	190	309	977
Investigation and security services	<1	297	311	439
Services to buildings	<1	597	885	1,777
Landscape and horticultural services	<1	421	541	1,003
Other support services	<1	175	230	455
Waste management and remediation services	<1	295	479	1,001

## Appendix

Elementary and secondary schools	<1	96	67	90
Junior colleges, colleges, universities, and professional schools	1	49,482	57,166	84,292
Other educational services	<1	383	434	971
Offices of physicians	<1	5,015	5,085	6,931
Offices of dentists	<1	904	1,178	1,546
Offices of other health practitioners	<1	601	1,079	1,348
Outpatient care centers	<1	1,237	1,241	1,801
Medical and diagnostic laboratories	<1	229	450	558
Home health care services	<1	637	645	830
Other ambulatory health care services	<1	313	401	591
Hospitals	<1	7,497	9,197	17,275
Nursing and community care facilities	<1	1,347	1,524	2,453
Residential mental retardation, mental health, substance abuse and other facilities	<1	776	797	1,056
Individual and family services	<1	1,488	1,319	1,840
Child day care services	<1	581	827	1,159
Community food, housing, and other relief services, including rehabilitation services	<1	409	387	855
Performing arts companies	<1	102	131	317
Commercial Sports Except Racing	<1	58	46	95
Racing and Track Operation	<1	35	43	97
Independent artists, writers, and performers	<1	161	250	537
Promoters of performing arts and sports and agents for public figures	<1	234	344	1,204
Museums, historical sites, zoos, and parks	<1	104	113	214
Amusement parks and arcades	<1	18	37	48
Gambling industries (except casino hotels)	<1	150	650	859
Other amusement and recreation industries	<1	141	150	232
Fitness and recreational sports centers	<1	101	145	258
Bowling centers	<1	20	29	53
Hotels and motels, including casino hotels	<1	57	105	171
Other accommodations	<1	24	29	39

## Appendix

Full-service restaurants	<1	1,525	2,552	4,960
Limited-service restaurants	<1	1,344	2,329	5,394
All other food and drinking places	<1	1,218	1,782	3,040
Automotive repair and maintenance, except car washes	<1	1,541	1,787	2,596
Car washes	<1	768	1,068	1,673
Electronic and precision equipment repair and maintenance	<1	271	368	592
Commercial and industrial machinery and equipment repair and maintenance	<1	382	485	726
Personal and household goods repair and maintenance	<1	124	259	362
Personal care services	<1	352	286	338
Death care services	<1	104	93	121
Dry-cleaning and laundry services	<1	212	181	223
Other personal services	<1	239	310	438
Religious organizations	<1	795	556	1,387
Grantmaking, giving, and social advocacy organizations	<1	519	1,856	2,604
Business and professional associations	<1	195	364	623
Labor and civic organizations	<1	223	783	1,406
Private households	<1	178	178	178
Postal service	<1	628	632	632
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	38	-633	30
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	23	33	53
Local government passenger transit	<1	57	9	31
Local government electric utilities	<1	900	2,596	4,810
Other local government enterprises	<1	503	870	1,988
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	118,803	175,263	320,727

## Investments in Climate Change Research and Technology

**Table 708: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	6	361,428	595,357	1,108,871
Oilseed farming	<1	850	1,757	4,340
Grain farming	<1	678	1,143	4,738
Vegetable and melon farming	<1	76	116	284
Fruit farming	<1	4	6	12
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	23	35	92
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	29	41	110
All other crop farming	<1	60	81	224
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	749	1,159	4,657
Dairy cattle and milk production	<1	58	103	644
Poultry and egg production	<1	25	54	594
Animal production, except cattle and poultry and eggs	<1	301	597	1,038
Forestry, forest products, and timber tract production	<1	3	4	6

Appendix

Commercial logging	<1	5	21	27
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	5	12
Support activities for agriculture and forestry	<1	181	191	212
Oil and gas extraction	<1	22	38	2,053
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	22	36	86
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	38	87	181
Sand and gravel mining	<1	30	47	108
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	0	0	<1
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	0	0	<1
Other nonmetallic minerals	<1	<1	<1	2
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	<1	<1	19
Other nonmetallic minerals services	<1	0	<1	1
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2	12	16
Electric power generation - Wind	<1	35	778	984
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	4	6	7
Electric power transmission and distribution	<1	98	898	1,356

## Appendix

Natural gas distribution	<1	858	6,205	7,216
Water, sewage and other systems	<1	19	94	138
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	912	1,506	3,800
Maintenance and repair construction of residential structures	<1	340	522	1,292
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	5
Dog and cat food manufacturing	<1	74	396	954
Other animal food manufacturing	<1	53	161	895
Flour milling	<1	51	207	619
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	139	577	1,892
Soybean and other oilseed processing	<1	15	232	913
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	86	452	745
Beet sugar manufacturing	<1	14	53	141
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2	4	15

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	3	6	21
Frozen fruits, juices and vegetables manufacturing	<1	30	125	333
Frozen specialties manufacturing	<1	37	76	251
Canned fruits and vegetables manufacturing	<1	2	8	28
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1	5	11
Cheese manufacturing	<1	<1	2	19
Dry, condensed, and evaporated dairy product manufacturing	<1	19	100	320
Fluid milk manufacturing	<1	56	156	606
Creamery butter manufacturing	<1	9	69	211
Ice cream and frozen dessert manufacturing	<1	7	15	50
Frozen cakes and other pastries manufacturing	<1	36	57	113
Poultry processing	<1	191	308	1,243
Animal, except poultry, slaughtering	<1	658	1,006	5,984
Meat processed from carcasses	<1	265	262	1,875
Rendering and meat byproduct processing	<1	28	27	158
Seafood product preparation and packaging	<1	8	19	72
Bread and bakery product, except frozen, manufacturing	<1	208	441	851
Cookie and cracker manufacturing	<1	4	9	25
Dry pasta, mixes, and dough manufacturing	<1	5	26	59
Tortilla manufacturing	<1	28	54	148
Roasted nuts and peanut butter manufacturing	<1	13	51	129
Other snack food manufacturing	<1	19	89	223
Coffee and tea manufacturing	<1	<1	<1	1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	2	8
Spice and extract manufacturing	<1	<1	1	5
All other food manufacturing	<1	39	84	272
Bottled and canned soft drinks & water	<1	29	85	271
Manufactured ice	<1	8	8	27

## Appendix

Breweries	<1	31	108	321
Wineries	<1	16	47	188
Distilleries	<1	3	19	39
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	2	10
Broadwoven fabric mills	<1	0	<1	3
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	2	2	8
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	3
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	6	8	42
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	3	3	9
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	11	12	33
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	2
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	5
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	<1	<1	3
Leather and hide tanning and finishing	<1	10	23	57
Footwear manufacturing	<1	<1	<1	<1
Other leather and allied product manufacturing	0	0	0	0
Sawmills	<1	11	24	88
Wood preservation	<1	4	15	47
Veneer and plywood manufacturing	<1	3	5	19
Engineered wood member and truss manufacturing	<1	18	35	113
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	94	146	405
Cut stock, resawing lumber, and planing	0	0	0	0

## Appendix

Other millwork, including flooring	<1	5	9	27
Wood container and pallet manufacturing	<1	40	64	186
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	4	9	26
All other miscellaneous wood product manufacturing	<1	5	9	28
Pulp mills	0	0	0	0
Paper mills	<1	15	37	139
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	112	181	866
Paper bag and coated and treated paper manufacturing	<1	6	10	42
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	11	33	144
All other converted paper product manufacturing	<1	2	4	18
Printing	<1	586	601	1,634
Support activities for printing	<1	47	47	87
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	6	6	23
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	14	10	67
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	31	130	401
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	14	40	89
Other basic organic chemical manufacturing	<1	79	259	1,282
Plastics material and resin manufacturing	<1	48	103	565
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	7	35	89

## Appendix

Phosphatic fertilizer manufacturing	<1	4	15	36
Fertilizer mixing	<1	<1	2	6
Pesticide and other agricultural chemical manufacturing	<1	15	69	185
Medicinal and botanical manufacturing	<1	3	7	15
Pharmaceutical preparation manufacturing	<1	31	112	232
In-vitro diagnostic substance manufacturing	<1	6	12	24
Biological product (except diagnostic) manufacturing	<1	22	102	196
Paint and coating manufacturing	<1	12	31	112
Adhesive manufacturing	<1	6	13	48
Soap and other detergent manufacturing	<1	31	119	336
Polish and other sanitation good manufacturing	<1	8	17	49
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	5	23	58
Printing ink manufacturing	<1	<1	<1	3
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	2	4	11
Photographic film and chemical manufacturing	<1	10	30	80
Other miscellaneous chemical product manufacturing	<1	4	9	28
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6	8	38
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	8	13	77
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6	7	40
Polystyrene foam product manufacturing	<1	12	15	74
Urethane and other foam product (except polystyrene) manufacturing	<1	2	3	14
Plastics bottle manufacturing	<1	<1	1	8
Other plastics product manufacturing	<1	217	254	1,098
Tire manufacturing	<1	8	9	36

Appendix

Rubber and plastics hoses and belting manufacturing	<1	24	29	119
Other rubber product manufacturing	<1	61	68	260
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	2	3
Brick, tile, and other structural clay product manufacturing	<1	16	36	75
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	7	17	40
Cement manufacturing	<1	11	34	78
Ready-mix concrete manufacturing	<1	63	130	385
Concrete block and brick manufacturing	<1	15	35	89
Concrete pipe manufacturing	<1	5	11	23
Other concrete product manufacturing	<1	31	57	133
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	17	26	54
Ground or treated mineral and earth manufacturing	<1	3	11	23
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	2	5
Iron and steel mills and ferroalloy manufacturing	<1	59	137	705
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	7	22	78
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	<1	7	18	120
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	11	17	49
Nonferrous metal foundries	<1	4	5	15
Custom roll forming	<1	<1	<1	6
Crown and closure manufacturing and metal stamping	<1	1	1	4
Iron and steel forging	<1	1	1	6
Nonferrous forging	<1	<1	<1	<1
Cutlery, utensil, pot, and pan manufacturing	<1	0	<1	<1
Handtool manufacturing	<1	<1	<1	2
Prefabricated metal buildings and components manufacturing	<1	12	18	60
Fabricated structural metal manufacturing	<1	113	168	559
Plate work manufacturing	<1	20	23	75
Metal window and door manufacturing	<1	15	21	63
Sheet metal work manufacturing	<1	17	24	73
Ornamental and architectural metal work manufacturing	<1	5	6	20
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	2	3	11
Metal cans manufacturing	<1	2	4	20
Metal barrels, drums and pails manufacturing	<1	1	2	7
Hardware manufacturing	<1	2	3	12
Spring and wire product manufacturing	<1	1	1	6
Machine shops	<1	74	89	213
Turned product and screw, nut, and bolt manufacturing	<1	9	12	42
Metal heat treating	<1	4	5	12
Metal coating and nonprecious engraving	<1	11	19	60
Electroplating, anodizing, and coloring metal	<1	39	42	95
Valve and fittings, other than plumbing, manufacturing	<1	12	18	64
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	122	280	648
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	<1	4
Fabricated pipe and pipe fitting manufacturing	<1	1	2	5
Other fabricated metal manufacturing	<1	24	32	109
Farm machinery and equipment manufacturing	<1	19	40	154
Lawn and garden equipment manufacturing	<1	5	10	40
Construction machinery manufacturing	<1	2	4	13
Mining machinery and equipment manufacturing	<1	<1	<1	1
Oil and gas field machinery and equipment manufacturing	<1	<1	1	3
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	0	0	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	2	3	9
Air purification and ventilation equipment manufacturing	<1	1	2	5
Heating equipment (except warm air furnaces) manufacturing	<1	5	8	26
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10	19	61
Industrial mold manufacturing	<1	1	1	3
Special tool, die, jig, and fixture manufacturing	<1	1	2	3

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	1	2	5
Machine tool manufacturing	<1	5	7	22
Rolling mill and other metalworking machinery manufacturing	<1	12	17	44
Turbine and turbine generator set units manufacturing	<1	0	0	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	3	11
Mechanical power transmission equipment manufacturing	<1	3	4	15
Other engine equipment manufacturing	<1	6	14	59
Pump and pumping equipment manufacturing	<1	<1	1	5
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	2	6
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	2
Power-driven handtool manufacturing	<1	<1	1	3
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	3	5	14
Fluid power pump and motor manufacturing	<1	<1	2	5
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	1	2	7
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	6	9	32
Telephone apparatus manufacturing	<1	<1	<1	3

## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	1	3	11
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	1	2	9
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	2
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	8	11	38
Electronic connector manufacturing	<1	5	6	21
Other electronic component manufacturing	<1	<1	<1	1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	2	4	11
Industrial process variable instruments manufacturing	<1	<1	<1	1
Totalizing fluid meter and counting device manufacturing	<1	2	4	15
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	2
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	4
Blank magnetic and optical recording media manufacturing	<1	<1	2	25
Software and other prerecorded and record reproducing	<1	<1	1	12
Electric lamp bulb and part manufacturing	<1	0	<1	<1
Lighting fixture manufacturing	<1	<1	<1	3
Small electrical appliance manufacturing	<1	0	<1	2

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	<1	0	0	<1
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	4	6	21
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	2	14
Wiring device manufacturing	<1	13	21	85
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	1
Automobile manufacturing	<1	53	223	1,091
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	3	4	16
Truck trailer manufacturing	<1	1	2	6
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	7	9	48
Motor vehicle gasoline engine and engine parts manufacturing	<1	59	98	488
Motor vehicle electrical and electronic equipment manufacturing	<1	22	31	142
Motor vehicle transmission and power train parts manufacturing	<1	70	106	545
Motor vehicle seating and interior trim manufacturing	<1	10	12	65
Motor vehicle metal stamping	<1	18	22	88
Other motor vehicle parts manufacturing	<1	249	356	1,581

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	41	60	269
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	<1	<1	<1	1
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	1	3
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	12
Ship building and repairing	0	0	0	0
Boat building	<1	10	14	49
Motorcycle, bicycle, and parts manufacturing	<1	<1	2	6
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	43	80	385
Wood kitchen cabinet and countertop manufacturing	<1	13	14	43
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	2	2	9
Other household nonupholstered furniture manufacturing	<1	<1	<1	<1
Institutional furniture manufacturing	<1	<1	<1	1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	6	7	27
Mattress manufacturing	<1	<1	<1	<1
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	56	143	250
Surgical appliance and supplies manufacturing	<1	12	42	68

## Appendix

Dental equipment and supplies manufacturing	<1	0	<1	<1
Ophthalmic goods manufacturing	<1	<1	2	4
Dental laboratories	<1	4	6	10
Jewelry and silverware manufacturing	<1	10	18	52
Sporting and athletic goods manufacturing	<1	3	6	15
Doll, toy, and game manufacturing	<1	2	6	13
Office supplies (except paper) manufacturing	<1	3	9	24
Sign manufacturing	<1	41	40	98
Gasket, packing, and sealing device manufacturing	<1	<1	1	3
Musical instrument manufacturing	<1	<1	<1	2
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	7	17	36
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	7	14	27
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	352	824	1,775
Wholesale - Professional and commercial equipment and supplies	<1	1,010	1,668	2,888
Wholesale - Household appliances and electrical and electronic goods	<1	308	806	1,773
Wholesale - Machinery, equipment, and supplies	<1	800	1,574	2,846
Wholesale - Other durable goods merchant wholesalers	<1	969	1,846	3,679
Wholesale - Drugs and druggists'sundries	<1	634	1,758	3,510
Wholesale - Grocery and related product wholesalers	<1	689	1,106	2,163
Wholesale - Petroleum and petroleum products	<1	383	3,780	4,895
Wholesale - Other nondurable goods merchant wholesalers	<1	1,754	3,826	7,278
Wholesale - Wholesale electronic markets and agents and brokers	<1	292	339	408
Retail - Motor vehicle and parts dealers	<1	1,086	1,465	2,204
Retail - Furniture and home furnishings stores	<1	546	696	1,211

Appendix

Retail - Electronics and appliance stores	<1	499	452	774
Retail - Building material and garden equipment and supplies stores	<1	553	1,063	1,598
Retail - Food and beverage stores	<1	1,462	2,109	3,877
Retail - Health and personal care stores	<1	944	1,215	1,932
Retail - Gasoline stores	<1	932	2,182	4,758
Retail - Clothing and clothing accessories stores	<1	445	729	1,815
Retail - Sporting goods, hobby, musical instrument and book stores	<1	422	547	1,041
Retail - General merchandise stores	<1	1,514	1,997	3,720
Retail - Miscellaneous store retailers	<1	947	904	1,689
Retail - Nonstore retailers	<1	756	4,748	8,597
Air transportation	<1	4,442	15,650	28,284
Rail transportation	<1	1,683	9,065	11,719
Water transportation	<1	-153	-151	5,716
Truck transportation	<1	17,720	30,887	60,722
Transit and ground passenger transportation	<1	238	354	593
Pipeline transportation	<1	14,025	10,512	9,204
Scenic and sightseeing transportation and support activities for transportation	<1	4,115	4,059	6,214
Couriers and messengers	<1	1,155	3,006	3,609
Warehousing and storage	<1	1,447	1,635	2,890
Newspaper publishers	<1	223	322	578
Periodical publishers	<1	164	204	357
Book publishers	<1	25	55	139
Directory, mailing list, and other publishers	<1	485	957	1,845
Greeting card publishing	0	0	0	0
Software publishers	<1	2,158	3,516	5,511
Motion picture and video industries	<1	2,576	4,190	18,404
Sound recording industries	<1	29	200	664
Radio and television broadcasting	<1	1,112	1,718	5,834
Cable and other subscription programming	<1	387	2,549	7,028
Wired telecommunications carriers	<1	547	1,246	2,994



## Appendix

Wireless telecommunications carriers (except satellite)	<1	72	621	1,830
Satellite, telecommunications resellers, and all other telecommunications	<1	74	94	344
Data processing, hosting, and related services	<1	1,180	3,506	7,955
News syndicates, libraries, archives and all other information services	<1	210	395	734
Internet publishing and broadcasting and web search portals	<1	498	1,706	6,124
Nondepository credit intermediation and related activities	<1	2,421	2,536	3,907
Securities and commodity contracts intermediation and brokerage	<1	3,246	3,187	7,143
Monetary authorities and depository credit intermediation	<1	6,851	14,097	26,006
Other financial investment activities	<1	1,374	1,674	5,054
Direct life insurance carriers	<1	562	2,761	3,316
Insurance carriers, except direct life	<1	1,171	11,658	15,382
Insurance agencies, brokerages, and related activities	<1	1,059	3,860	6,300
Funds, trusts, and other financial vehicles	<1	393	328	2,952
Other real estate	<1	2,955	13,685	40,360
Tenant-occupied housing	<1	259	4,723	5,243
Owner-occupied dwellings	0	0	20,620	25,040
Automotive equipment rental and leasing	<1	299	631	975
General and consumer goods rental except video tapes and discs	<1	441	729	1,122
Video tape and disc rental	<1	69	122	195
Commercial and industrial machinery and equipment rental and leasing	<1	613	1,223	1,775
Lessors of nonfinancial intangible assets	<1	112	2,025	2,168
Legal services	<1	5,783	10,318	14,552
Accounting, tax preparation, bookkeeping, and payroll services	<1	2,493	3,039	5,109
Architectural, engineering, and related services	<1	2,286	2,478	4,546
Specialized design services	<1	152	245	491

## Appendix

Custom computer programming services	<1	843	905	1,319
Computer systems design services	<1	958	925	1,253
Other computer related services, including facilities management	<1	893	1,191	2,297
Management consulting services	<1	4,399	4,542	7,732
Environmental and other technical consulting services	<1	661	726	1,302
Scientific research and development services	1	99,512	155,264	298,501
Advertising, public relations, and related services	<1	1,162	1,778	4,426
Photographic services	<1	52	120	309
Veterinary services	<1	264	293	489
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	2,721	4,267	10,189
Management of companies and enterprises	<1	14,225	15,852	25,953
Office administrative services	<1	2,682	907	2,789
Facilities support services	<1	61	84	205
Employment services	<1	10,237	14,033	22,246
Business support services	<1	1,574	1,372	2,570
Travel arrangement and reservation services	<1	599	980	3,307
Investigation and security services	<1	716	748	1,106
Services to buildings	<1	1,291	1,879	3,983
Landscape and horticultural services	<1	802	1,023	1,991
Other support services	<1	334	437	924
Waste management and remediation services	<1	622	1,029	2,168
Elementary and secondary schools	<1	109	78	106
Junior colleges, colleges, universities, and professional schools	<1	41,014	48,064	70,038
Other educational services	<1	8,651	9,761	22,157
Offices of physicians	<1	6,925	6,993	9,700
Offices of dentists	<1	1,142	1,455	1,944
Offices of other health practitioners	<1	821	1,405	1,789
Outpatient care centers	<1	1,441	1,437	2,110
Medical and diagnostic laboratories	<1	297	554	715
Home health care services	<1	813	819	1,085

## Appendix

Other ambulatory health care services	<1	405	508	772
Hospitals	<1	8,612	10,427	19,951
Nursing and community care facilities	<1	1,535	1,730	2,916
Residential mental retardation, mental health, substance abuse and other facilities	<1	803	824	1,135
Individual and family services	<1	1,472	1,268	1,848
Child day care services	<1	698	909	1,346
Community food, housing, and other relief services, including rehabilitation services	<1	389	365	862
Performing arts companies	<1	140	183	482
Commercial Sports Except Racing	<1	111	80	177
Racing and Track Operation	<1	39	53	128
Independent artists, writers, and performers	<1	552	882	1,978
Promoters of performing arts and sports and agents for public figures	<1	497	773	2,935
Museums, historical sites, zoos, and parks	<1	108	118	237
Amusement parks and arcades	<1	21	43	57
Gambling industries (except casino hotels)	<1	159	671	919
Other amusement and recreation industries	<1	183	193	307
Fitness and recreational sports centers	<1	123	168	317
Bowling centers	<1	26	36	70
Hotels and motels, including casino hotels	<1	84	165	274
Other accommodations	<1	25	31	42
Full-service restaurants	<1	2,246	3,796	7,673
Limited-service restaurants	<1	1,832	3,202	7,848
All other food and drinking places	<1	2,438	3,621	6,385
Automotive repair and maintenance, except car washes	<1	3,060	3,772	5,522
Car washes	<1	1,113	1,560	2,476
Electronic and precision equipment repair and maintenance	<1	600	819	1,371
Commercial and industrial machinery and equipment repair and maintenance	<1	5,450	7,000	11,102
Personal and household goods repair and maintenance	<1	225	528	732

## Appendix

Personal care services	<1	424	421	487
Death care services	<1	127	133	172
Dry-cleaning and laundry services	<1	359	363	439
Other personal services	<1	364	496	711
Religious organizations	<1	786	704	1,544
Grantmaking, giving, and social advocacy organizations	<1	435	1,959	2,685
Business and professional associations	<1	282	614	1,050
Labor and civic organizations	<1	211	933	1,621
Private households	<1	233	233	234
Postal service	<1	1,706	1,714	1,727
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	58	-845	43
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	41	73	119
Local government passenger transit	<1	81	32	69
Local government electric utilities	<1	1,490	5,275	9,608
Other local government enterprises	<1	855	2,086	4,027
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Nevada

## NASA

Table 709: Detailed NASA Impacts by Types of Impact, Nevada

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	553	48,867,871	78,260,831	105,606,433
Oilseed farming	0	0	0	0
Grain farming	<1	1,929	-528	17,250
Vegetable and melon farming	<1	1,984	2,170	9,361
Fruit farming	<1	81	85	296
Tree nut farming	<1	26	28	101
Greenhouse, nursery, and floriculture production	<1	475	520	1,896
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5,230	5,370	20,441
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,383	1,309	15,308
Dairy cattle and milk production	<1	781	846	10,976
Poultry and egg production	<1	173	199	3,748
Animal production, except cattle and poultry and eggs	<1	3,379	4,262	17,607
Forestry, forest products, and timber tract production	<1	111	125	153
Commercial logging	<1	210	224	308
Commercial fishing	<1	228	3,718	4,301
Commercial hunting and trapping	<1	67	88	186
Support activities for agriculture and forestry	<1	12,886	12,932	14,213
Oil and gas extraction	<1	-3,749	289	142,484
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	3,538	13,111	21,005
Iron ore mining	0	0	0	0
Gold ore mining	<1	3,834	9,929	19,277
Silver ore mining	<1	473	935	1,797
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	29	52	89
Stone mining and quarrying	<1	759	2,165	3,564
Sand and gravel mining	<1	1,121	2,000	3,418

## Appendix

Other clay, ceramic, refractory minerals mining	<1	320	590	1,031
Potash, soda, and borate mineral mining	<1	295	466	812
Phosphate rock mining	<1	68	127	233
Other chemical and fertilizer mineral mining	<1	130	209	387
Other nonmetallic minerals	<1	368	663	1,219
Drilling oil and gas wells	<1	0	<1	1
Support activities for oil and gas operations	<1	6	18	49
Metal mining services	<1	1,146	1,510	11,679
Other nonmetallic minerals services	<1	<1	2	38
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	25,992	121,106	249,641
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	5,404	15,229	28,325
Electric power generation - Wind	<1	292	3,447	5,987
Electric power generation - Geothermal	<1	10,045	27,492	50,931
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	69,397	319,941	669,235
Natural gas distribution	<1	41,573	191,260	347,498
Water, sewage and other systems	<1	3,783	10,110	17,274
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	61,981	145,296	269,059
Maintenance and repair construction of residential structures	<1	62,871	125,108	236,460
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	131	301	566
Dog and cat food manufacturing	<1	829	1,866	9,008
Other animal food manufacturing	<1	1,401	2,528	21,762
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	178	397	4,395
Breakfast cereal manufacturing	<1	2,478	5,115	19,542
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	816	1,080	5,690
Chocolate and confectionery manufacturing from cacao beans	<1	691	952	3,801
Confectionery manufacturing from purchased chocolate	<1	541	732	4,834
Frozen fruits, juices and vegetables manufacturing	<1	2,683	4,872	24,041
Frozen specialties manufacturing	<1	1,707	2,176	10,723
Canned fruits and vegetables manufacturing	<1	392	663	2,647
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	359	583	2,395
Cheese manufacturing	<1	417	546	5,710
Dry, condensed, and evaporated dairy product manufacturing	<1	674	1,357	8,547
Fluid milk manufacturing	<1	2,050	2,967	19,442
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,534	2,018	9,249



## Appendix

Frozen cakes and other pastries manufacturing	<1	3,303	4,976	8,902
Poultry processing	<1	674	801	2,980
Animal, except poultry, slaughtering	<1	465	601	3,994
Meat processed from carcasses	<1	3,083	3,078	28,140
Rendering and meat byproduct processing	<1	137	163	829
Seafood product preparation and packaging	<1	209	260	1,461
Bread and bakery product, except frozen, manufacturing	<1	10,975	15,567	40,102
Cookie and cracker manufacturing	<1	3,211	4,254	13,914
Dry pasta, mixes, and dough manufacturing	<1	121	241	1,638
Tortilla manufacturing	<1	837	1,052	4,756
Roasted nuts and peanut butter manufacturing	<1	443	535	2,300
Other snack food manufacturing	<1	1,967	3,982	17,505
Coffee and tea manufacturing	<1	651	1,056	6,418
Flavoring syrup and concentrate manufacturing	<1	222	1,292	3,148
Mayonnaise, dressing, and sauce manufacturing	<1	600	1,002	5,327
Spice and extract manufacturing	<1	1,555	2,291	11,347
All other food manufacturing	<1	1,124	1,489	9,047
Bottled and canned soft drinks & water	<1	8,672	13,043	61,713
Manufactured ice	<1	323	216	1,126
Breweries	<1	712	1,224	4,101
Wineries	<1	93	142	754
Distilleries	<1	1,385	4,161	11,209
Tobacco product manufacturing	<1	713	18,295	40,722
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	129	246	979
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	10	15	59
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	149	213	667
Textile bag and canvas mills	<1	401	619	1,753
Rope, cordage, twine, tire cord and tire fabric mills	<1	119	220	561

## Appendix

Other textile product mills	<1	775	1,021	2,828
Hosiery and sock mills	<1	63	106	207
Other apparel knitting mills	<1	57	95	194
Cut and sew apparel contractors	<1	44	55	173
Men's and boys' cut and sew apparel manufacturing	<1	70	87	390
Women's and girls' cut and sew apparel manufacturing	<1	81	80	836
Other cut and sew apparel manufacturing	<1	57	77	315
Apparel accessories and other apparel manufacturing	<1	69	104	304
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	5	4	15
Sawmills	<1	99	111	543
Wood preservation	<1	58	67	472
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1,017	1,049	4,520
Reconstituted wood product manufacturing	<1	441	537	3,962
Wood windows and door manufacturing	<1	1,566	1,550	5,252
Cut stock, resawing lumber, and planing	<1	323	357	1,479
Other millwork, including flooring	<1	874	862	2,980
Wood container and pallet manufacturing	<1	2,158	2,111	7,543
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	466	443	1,960
All other miscellaneous wood product manufacturing	<1	23	24	111
Pulp mills	0	0	0	0
Paper mills	<1	989	1,856	6,367
Paperboard mills	<1	459	831	3,083
Paperboard container manufacturing	<1	632	901	5,090
Paper bag and coated and treated paper manufacturing	<1	442	630	2,665
Stationery product manufacturing	<1	540	651	2,213

Appendix

Sanitary paper product manufacturing	<1	3,773	9,496	39,474
All other converted paper product manufacturing	<1	488	748	2,853
Printing	<1	43,917	72,830	142,083
Support activities for printing	<1	154	260	402
Petroleum refineries	<1	6,123	12,218	217,995
Asphalt paving mixture and block manufacturing	<1	800	865	3,024
Asphalt shingle and coating materials manufacturing	<1	702	896	3,258
Petroleum lubricating oil and grease manufacturing	<1	215	247	1,429
All other petroleum and coal products manufacturing	<1	547	719	3,901
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	86	141	519
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	492	649	2,505
Other basic organic chemical manufacturing	<1	1,089	1,669	14,019
Plastics material and resin manufacturing	<1	181	243	2,589
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	50	86	486
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	40	50	226
Pesticide and other agricultural chemical manufacturing	<1	292	533	3,725
Medicinal and botanical manufacturing	<1	370	390	2,230
Pharmaceutical preparation manufacturing	<1	2,971	4,401	21,481
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	184	270	836
Paint and coating manufacturing	<1	1,545	1,960	10,534
Adhesive manufacturing	<1	78	87	417
Soap and other detergent manufacturing	<1	412	595	4,220
Polish and other sanitation good manufacturing	<1	353	376	1,343

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,318	1,960	8,226
Printing ink manufacturing	<1	195	200	696
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	331	398	1,712
Photographic film and chemical manufacturing	<1	232	317	1,314
Other miscellaneous chemical product manufacturing	<1	1,052	1,193	5,971
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,311	3,341	15,867
Unlaminated plastics profile shape manufacturing	<1	86	159	569
Plastics pipe and pipe fitting manufacturing	<1	399	916	3,627
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	72	108	447
Polystyrene foam product manufacturing	<1	413	650	3,028
Urethane and other foam product (except polystyrene) manufacturing	<1	1,350	2,030	8,583
Plastics bottle manufacturing	<1	210	297	1,499
Other plastics product manufacturing	<1	5,275	7,154	25,774
Tire manufacturing	<1	120	149	622
Rubber and plastics hoses and belting manufacturing	<1	114	164	664
Other rubber product manufacturing	<1	723	867	3,404
Pottery, ceramics, and plumbing fixture manufacturing	<1	24	39	81
Brick, tile, and other structural clay product manufacturing	<1	186	316	710
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	514	924	2,569
Cement manufacturing	<1	280	636	1,621
Ready-mix concrete manufacturing	<1	3,421	5,616	18,858
Concrete block and brick manufacturing	<1	916	1,615	3,775
Concrete pipe manufacturing	<1	344	576	1,361

Appendix

Other concrete product manufacturing	<1	2,416	3,609	8,596
Lime manufacturing	<1	75	160	437
Gypsum product manufacturing	<1	1,148	3,241	8,324
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,750	2,273	5,064
Ground or treated mineral and earth manufacturing	<1	521	1,205	3,150
Mineral wool manufacturing	<1	108	290	777
Miscellaneous nonmetallic mineral products manufacturing	<1	24	56	144
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	4	6	27
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	23	28	147
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	98	255	1,412
Copper rolling, drawing, extruding and alloying	<1	195	252	2,821
Nonferrous metal, except copper and aluminum, shaping	<1	312	338	1,734
Secondary processing of other nonferrous metals	<1	11	15	114
Ferrous metal foundries	<1	413	475	1,608
Nonferrous metal foundries	<1	293	318	994
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	435	598	1,661
Iron and steel forging	0	0	0	0
Nonferrous forging	<1	251	340	1,003
Cutlery, utensil, pot, and pan manufacturing	<1	156	387	1,276
Handtool manufacturing	<1	93	165	463
Prefabricated metal buildings and components manufacturing	<1	101	167	555

## Appendix

Fabricated structural metal manufacturing	<1	1,750	2,821	8,013
Plate work manufacturing	<1	86	103	404
Metal window and door manufacturing	<1	279	421	1,331
Sheet metal work manufacturing	<1	900	1,317	3,876
Ornamental and architectural metal work manufacturing	<1	1,219	1,566	4,579
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	16	21	69
Metal cans manufacturing	<1	217	455	2,220
Metal barrels, drums and pails manufacturing	<1	5	7	38
Hardware manufacturing	<1	113	181	718
Spring and wire product manufacturing	<1	215	299	825
Machine shops	<1	3,436	4,257	9,842
Turned product and screw, nut, and bolt manufacturing	<1	1,668	2,256	6,249
Metal heat treating	<1	82	114	291
Metal coating and nonprecious engraving	<1	422	826	2,498
Electroplating, anodizing, and coloring metal	<1	90	100	231
Valve and fittings, other than plumbing, manufacturing	<1	263	427	1,410
Plumbing fixture fitting and trim manufacturing	<1	23	61	238
Ball and roller bearing manufacturing	<1	47	84	261
Small arms ammunition manufacturing	<1	619	1,615	4,195
Ammunition, except for small arms, manufacturing	<1	27	31	69
Small arms, ordnance, and accessories manufacturing	<1	2,090	5,728	14,558
Fabricated pipe and pipe fitting manufacturing	<1	11	15	48
Other fabricated metal manufacturing	<1	1,294	1,825	4,887
Farm machinery and equipment manufacturing	<1	9	28	86
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	7	30	64
Mining machinery and equipment manufacturing	<1	<1	2	4

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	1	4
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	3
All other industrial machinery manufacturing	<1	3	6	14
Optical instrument and lens manufacturing	<1	3	7	22
Photographic and photocopying equipment manufacturing	<1	3	4	17
Other commercial service industry machinery manufacturing	<1	25	71	230
Air purification and ventilation equipment manufacturing	<1	80	151	501
Heating equipment (except warm air furnaces) manufacturing	<1	3	9	29
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	6	19	64
Industrial mold manufacturing	<1	25	39	72
Special tool, die, jig, and fixture manufacturing	<1	23	44	75
Cutting tool and machine tool accessory manufacturing	<1	38	56	124
Machine tool manufacturing	<1	1,372	2,910	7,607
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	85	186	395
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	2	6	14
Air and gas compressor manufacturing	<1	6	13	34
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	6	7	26
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	3
Industrial truck, trailer, and stacker manufacturing	<1	32	94	289
Power-driven handtool manufacturing	<1	38	221	464
Welding and soldering equipment manufacturing	<1	1	2	6
Packaging machinery manufacturing	<1	2	4	11
Industrial process furnace and oven manufacturing	<1	4	7	17
Fluid power cylinder and actuator manufacturing	<1	7	15	39
Fluid power pump and motor manufacturing	<1	8	21	57
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	11	18	49
Electronic computer manufacturing	<1	2	2	11
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	10	13	118
Telephone apparatus manufacturing	<1	3	5	22
Broadcast and wireless communications equipment manufacturing	<1	7	9	32
Other communications equipment manufacturing	<1	6	9	45
Audio and video equipment manufacturing	<1	67	96	670
Printed circuit assembly (electronic assembly) manufacturing	<1	339	447	2,404
Bare printed circuit board manufacturing	<1	27	31	82
Semiconductor and related device manufacturing	<1	66	90	484
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	4,214	5,011	18,869
Electronic connector manufacturing	<1	180	215	978
Other electronic component manufacturing	<1	174	209	861



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	6
Search, detection, and navigation instruments manufacturing	<1	21	27	91
Automatic environmental control manufacturing	<1	91	111	330
Industrial process variable instruments manufacturing	<1	117	142	367
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	7,714	9,055	37,665
Analytical laboratory instrument manufacturing	<1	21,572	29,977	85,569
Irradiation apparatus manufacturing	<1	<1	<1	4
Watch, clock, and other measuring and controlling device manufacturing	<1	8	10	45
Blank magnetic and optical recording media manufacturing	<1	33	87	1,012
Software and other prerecorded and record reproducing	<1	13	17	93
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	16	20	89
Small electrical appliance manufacturing	<1	18	31	163
Household cooking appliance manufacturing	<1	20	34	196
Household refrigerator and home freezer manufacturing	<1	24	40	204
Household laundry equipment manufacturing	<1	79	112	644
Other major household appliance manufacturing	<1	9	17	78
Power, distribution, and specialty transformer manufacturing	<1	24	29	77
Motor and generator manufacturing	<1	26	37	123
Switchgear and switchboard apparatus manufacturing	<1	12	17	67
Relay and industrial control manufacturing	<1	38	47	160
Storage battery manufacturing	<1	8,004	10,535	31,820
Primary battery manufacturing	<1	2,132	6,788	9,885
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	5,556	7,551	32,628
Wiring device manufacturing	<1	9,640	14,181	38,585
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	26	28	76
Automobile manufacturing	<1	390	320	6,558
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	10	10	49
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,393	1,388	8,321
Motor vehicle gasoline engine and engine parts manufacturing	<1	717	716	6,041
Motor vehicle electrical and electronic equipment manufacturing	<1	238	312	1,592
Motor vehicle transmission and power train parts manufacturing	<1	73	70	666
Motor vehicle seating and interior trim manufacturing	<1	9	9	59
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	2,541	2,400	14,914
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,758	1,700	10,938
Aircraft manufacturing	<1	3	7	22
Aircraft engine and engine parts manufacturing	<1	36	119	288
Other aircraft parts and auxiliary equipment manufacturing	<1	42,747	68,886	154,446
Guided missile and space vehicle manufacturing	<1	2	4	10
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	2	7
Ship building and repairing	<1	3	4	9
Boat building	<1	76	136	379
Motorcycle, bicycle, and parts manufacturing	<1	364	1,992	4,394

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	46	131	555
Wood kitchen cabinet and countertop manufacturing	<1	1,483	1,636	4,281
Upholstered household furniture manufacturing	<1	376	407	2,055
Nonupholstered wood household furniture manufacturing	<1	133	141	442
Other household nonupholstered furniture manufacturing	<1	88	114	783
Institutional furniture manufacturing	<1	63	65	225
Wood office furniture manufacturing	<1	6	6	22
Custom architectural woodwork and millwork	<1	88	82	215
Office furniture, except wood, manufacturing	<1	25	30	128
Showcase, partition, shelving, and locker manufacturing	<1	89	99	357
Mattress manufacturing	<1	66	86	530
Blind and shade manufacturing	<1	70	71	289
Surgical and medical instrument manufacturing	<1	226	785	1,230
Surgical appliance and supplies manufacturing	<1	286	1,437	2,224
Dental equipment and supplies manufacturing	<1	4	15	27
Ophthalmic goods manufacturing	<1	115	617	926
Dental laboratories	<1	610	987	1,608
Jewelry and silverware manufacturing	<1	1,229	3,236	6,383
Sporting and athletic goods manufacturing	<1	351	1,061	2,068
Doll, toy, and game manufacturing	<1	413	2,256	3,995
Office supplies (except paper) manufacturing	<1	551	1,866	3,183
Sign manufacturing	<1	5,151	5,261	11,278
Gasket, packing, and sealing device manufacturing	<1	114	180	344
Musical instrument manufacturing	<1	2	4	7
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	11,957	31,073	45,438
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	35,927	68,355	168,863
Wholesale - Professional and commercial equipment and supplies	1	136,227	198,610	365,485
Wholesale - Household appliances and electrical and electronic goods	<1	56,815	118,237	302,388
Wholesale - Machinery, equipment, and supplies	<1	45,802	77,457	148,054
Wholesale - Other durable goods merchant wholesalers	1	132,535	216,955	452,671
Wholesale - Drugs and druggists'sundries	<1	79,864	160,405	412,295
Wholesale - Grocery and related product wholesalers	1	111,122	152,594	330,594
Wholesale - Petroleum and petroleum products	<1	13,014	182,370	219,239
Wholesale - Other nondurable goods merchant wholesalers	2	152,346	308,462	621,379
Wholesale - Wholesale electronic markets and agents and brokers	<1	70,887	77,975	93,466
Retail - Motor vehicle and parts dealers	2	185,559	262,887	347,823
Retail - Furniture and home furnishings stores	2	82,717	121,021	194,036
Retail - Electronics and appliance stores	1	82,009	90,236	145,926
Retail - Building material and garden equipment and supplies stores	1	58,653	126,794	177,333
Retail - Food and beverage stores	6	270,335	407,025	634,755
Retail - Health and personal care stores	3	154,089	201,423	298,722
Retail - Gasoline stores	2	117,700	220,474	363,976
Retail - Clothing and clothing accessories stores	3	133,836	223,862	399,557
Retail - Sporting goods, hobby, musical instrument and book stores	2	74,597	107,320	168,308
Retail - General merchandise stores	6	226,860	388,631	615,966
Retail - Miscellaneous store retailers	4	184,912	199,502	298,756
Retail - Nonstore retailers	6	125,824	730,798	1,235,016
Air transportation	<1	127,013	364,729	622,302

Appendix

Rail transportation	<1	12,618	56,713	82,657
Water transportation	<1	-81	808	10,681
Truck transportation	3	214,036	310,442	657,353
Transit and ground passenger transportation	3	58,221	85,055	140,226
Pipeline transportation	<1	5,050	20,263	28,167
Scenic and sightseeing transportation and support activities for transportation	2	143,244	118,896	194,020
Couriers and messengers	4	99,866	215,410	265,237
Warehousing and storage	4	218,216	233,628	440,141
Newspaper publishers	<1	11,634	16,754	25,245
Periodical publishers	<1	5,574	7,130	15,181
Book publishers	<1	3,781	7,895	17,115
Directory, mailing list, and other publishers	<1	1,872	3,688	7,630
Greeting card publishing	<1	217	575	1,156
Software publishers	2	263,806	434,123	631,183
Motion picture and video industries	<1	26,238	67,292	230,242
Sound recording industries	<1	2,383	50,027	82,888
Radio and television broadcasting	<1	240,031	246,245	414,558
Cable and other subscription programming	<1	48,843	76,610	186,105
Wired telecommunications carriers	<1	68,381	116,257	261,954
Wireless telecommunications carriers (except satellite)	<1	12,910	58,440	212,669
Satellite, telecommunications resellers, and all other telecommunications	<1	15,276	19,324	52,813
Data processing, hosting, and related services	<1	132,744	387,864	815,843
News syndicates, libraries, archives and all other information services	<1	4,427	14,180	35,585
Internet publishing and broadcasting and web search portals	<1	50,545	368,820	968,542
Nondepository credit intermediation and related activities	3	298,946	326,860	524,271
Securities and commodity contracts intermediation and brokerage	5	125,466	119,156	463,072
Monetary authorities and depository credit intermediation	2	210,200	1,473,444	1,773,457

## Appendix

Other financial investment activities	6	129,187	193,139	888,692
Direct life insurance carriers	<1	19,862	64,943	82,958
Insurance carriers, except direct life	2	144,007	852,776	1,366,870
Insurance agencies, brokerages, and related activities	2	166,180	378,517	790,549
Funds, trusts, and other financial vehicles	3	78,487	53,672	528,876
Other real estate	13	277,887	1,017,672	2,667,458
Tenant-occupied housing	4	87,682	1,105,737	1,214,059
Owner-occupied dwellings	0	0	3,881,381	4,684,184
Automotive equipment rental and leasing	<1	36,083	163,600	207,007
General and consumer goods rental except video tapes and discs	<1	40,438	82,615	116,874
Video tape and disc rental	<1	16,472	27,464	43,936
Commercial and industrial machinery and equipment rental and leasing	<1	37,486	137,052	171,877
Lessors of nonfinancial intangible assets	<1	7,678	122,835	131,160
Legal services	5	421,883	567,509	878,092
Accounting, tax preparation, bookkeeping, and payroll services	3	199,346	256,396	421,867
Architectural, engineering, and related services	<1	78,684	87,009	165,236
Specialized design services	<1	22,064	38,348	70,963
Custom computer programming services	<1	76,104	83,607	116,397
Computer systems design services	<1	64,414	63,887	83,372
Other computer related services, including facilities management	<1	42,613	61,494	114,756
Management consulting services	10	971,506	1,007,559	1,670,382
Environmental and other technical consulting services	<1	58,258	65,268	111,171
Scientific research and development services	15	1,490,350	1,835,435	3,703,476
Advertising, public relations, and related services	2	169,046	237,923	506,044
Photographic services	<1	7,260	19,163	41,693
Veterinary services	<1	55,718	63,147	97,329
Marketing research and all other miscellaneous professional, scientific, and technical services	7	451,901	865,231	2,037,856
Management of companies and enterprises	6	873,617	1,018,617	1,539,372

## Appendix

Office administrative services	<1	58,516	24,010	60,002
Facilities support services	<1	11,637	16,128	35,597
Employment services	9	408,055	577,222	1,011,296
Business support services	2	117,417	101,975	192,302
Travel arrangement and reservation services	<1	33,224	55,058	182,736
Investigation and security services	2	81,591	83,829	128,526
Services to buildings	3	93,582	135,569	287,548
Landscape and horticultural services	2	71,782	89,649	171,401
Other support services	1	60,193	79,178	166,649
Waste management and remediation services	<1	59,605	93,278	195,509
Elementary and secondary schools	2	82,088	79,231	93,228
Junior colleges, colleges, universities, and professional schools	5	227,082	312,809	426,242
Other educational services	2	120,754	137,130	254,696
Offices of physicians	8	900,168	910,717	1,316,899
Offices of dentists	3	207,620	241,311	332,856
Offices of other health practitioners	3	172,667	245,816	316,168
Outpatient care centers	2	178,187	176,096	281,939
Medical and diagnostic laboratories	<1	79,429	118,987	166,886
Home health care services	3	165,200	164,556	202,448
Other ambulatory health care services	<1	68,467	78,775	120,745
Hospitals	11	1,094,457	1,289,308	2,324,424
Nursing and community care facilities	2	117,932	130,115	206,759
Residential mental retardation, mental health, substance abuse and other facilities	1	58,459	60,363	90,823
Individual and family services	7	225,249	194,114	284,197
Child day care services	2	71,341	96,182	128,035
Community food, housing, and other relief services, including rehabilitation services	1	56,943	53,819	120,926
Performing arts companies	<1	49,873	82,478	111,150
Commercial Sports Except Racing	<1	104,647	85,066	99,443
Racing and Track Operation	<1	6,415	11,139	14,978
Independent artists, writers, and performers	<1	37,247	98,590	118,418

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	40,078	93,234	137,791
Museums, historical sites, zoos, and parks	<1	11,902	14,949	25,767
Amusement parks and arcades	<1	8,651	12,980	14,999
Gambling industries (except casino hotels)	3	163,449	315,980	440,100
Other amusement and recreation industries	1	62,040	58,624	75,274
Fitness and recreational sports centers	<1	30,769	42,289	58,265
Bowling centers	<1	6,741	11,818	15,240
Hotels and motels, including casino hotels	5	305,196	612,974	844,776
Other accommodations	<1	6,434	8,062	10,234
Full-service restaurants	10	440,702	685,754	1,146,423
Limited-service restaurants	10	321,017	537,260	1,111,463
All other food and drinking places	5	194,359	456,303	599,498
Automotive repair and maintenance, except car washes	4	299,596	346,791	482,504
Car washes	2	167,517	238,028	337,421
Electronic and precision equipment repair and maintenance	<1	67,357	83,674	140,820
Commercial and industrial machinery and equipment repair and maintenance	<1	70,682	72,787	116,927
Personal and household goods repair and maintenance	<1	23,983	46,639	65,940
Personal care services	4	124,225	90,374	108,077
Death care services	<1	28,252	22,347	29,607
Dry-cleaning and laundry services	1	46,784	34,917	43,949
Other personal services	2	82,118	112,184	154,256
Religious organizations	2	95,037	59,352	177,277
Grantmaking, giving, and social advocacy organizations	<1	40,382	137,631	196,353
Business and professional associations	<1	22,540	38,887	61,992
Labor and civic organizations	1	60,125	192,795	284,628
Private households	2	42,150	42,150	42,150
Postal service	1	98,166	98,534	98,571
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	7,016	5,872	27,140
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	260	342	625
Local government passenger transit	<1	83	10	49
Local government electric utilities	<1	1,582	4,318	9,333
Other local government enterprises	1	110,740	201,505	487,192
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	242	29,277,676	42,022,972	43,252,765

## Moon to Mars Campaign

**Table 710: Detailed M2M Campaign Impacts by Types of Impact, Nevada**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	422	42,208,034	65,073,747	81,294,824
Oilseed farming	0	0	0	0
Grain farming	<1	1,305	-498	11,749
Vegetable and melon farming	<1	1,605	1,868	7,737
Fruit farming	<1	72	77	264
Tree nut farming	<1	24	27	99
Greenhouse, nursery, and floriculture production	<1	354	413	1,448
Tobacco farming	0	0	0	0

Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,538	3,864	14,301
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	831	889	8,539
Dairy cattle and milk production	<1	649	762	9,027
Poultry and egg production	<1	127	155	2,735
Animal production, except cattle and poultry and eggs	<1	2,151	3,169	12,369
Forestry, forest products, and timber tract production	<1	66	75	91
Commercial logging	<1	145	159	213
Commercial fishing	<1	201	3,171	3,638
Commercial hunting and trapping	<1	81	69	144
Support activities for agriculture and forestry	<1	8,597	8,672	9,505
Oil and gas extraction	<1	-1,939	178	92,615
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	1,010	3,802	5,849
Iron ore mining	0	0	0	0
Gold ore mining	<1	824	2,141	4,056
Silver ore mining	<1	76	150	287
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	6	11	20
Stone mining and quarrying	<1	502	1,426	2,333
Sand and gravel mining	<1	598	1,073	1,801
Other clay, ceramic, refractory minerals mining	<1	226	422	734
Potash, soda, and borate mineral mining	<1	220	350	612
Phosphate rock mining	<1	54	103	190
Other chemical and fertilizer mineral mining	<1	91	150	277
Other nonmetallic minerals	<1	178	321	596
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	3	10	26
Metal mining services	<1	488	721	5,674
Other nonmetallic minerals services	<1	<1	1	18
Electric power generation - Hydroelectric	0	0	0	0

## Appendix

Electric power generation - Fossil fuel	<1	22,586	97,171	199,264
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	4,230	12,029	22,467
Electric power generation - Wind	<1	184	2,181	3,785
Electric power generation - Geothermal	<1	8,835	23,348	42,960
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	52,137	231,072	481,221
Natural gas distribution	<1	34,526	156,268	279,257
Water, sewage and other systems	<1	3,058	8,038	13,545
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	40,726	97,306	177,241
Maintenance and repair construction of residential structures	<1	51,632	104,566	194,431
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	106	246	458
Dog and cat food manufacturing	<1	596	1,357	6,491
Other animal food manufacturing	<1	1,042	1,942	16,381
Flour milling	0	0	0	0

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	162	366	4,018
Breakfast cereal manufacturing	<1	1,684	3,451	12,923
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	668	881	4,618
Chocolate and confectionery manufacturing from cacao beans	<1	685	948	3,725
Confectionery manufacturing from purchased chocolate	<1	472	651	4,147
Frozen fruits, juices and vegetables manufacturing	<1	2,314	4,309	20,332
Frozen specialties manufacturing	<1	1,385	1,760	8,754
Canned fruits and vegetables manufacturing	<1	374	643	2,527
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	329	535	2,174
Cheese manufacturing	<1	347	454	4,966
Dry, condensed, and evaporated dairy product manufacturing	<1	599	1,213	7,649
Fluid milk manufacturing	<1	1,788	2,648	17,198
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,244	1,659	7,477
Frozen cakes and other pastries manufacturing	<1	2,783	4,194	7,484
Poultry processing	<1	481	584	2,172
Animal, except poultry, slaughtering	<1	321	419	2,799
Meat processed from carcasses	<1	2,649	2,661	24,233
Rendering and meat byproduct processing	<1	120	143	727
Seafood product preparation and packaging	<1	158	203	1,107
Bread and bakery product, except frozen, manufacturing	<1	9,106	12,984	33,394
Cookie and cracker manufacturing	<1	3,072	4,213	13,039
Dry pasta, mixes, and dough manufacturing	<1	94	188	1,335
Tortilla manufacturing	<1	659	823	3,767

## Appendix

Roasted nuts and peanut butter manufacturing	<1	389	489	2,025
Other snack food manufacturing	<1	1,616	3,292	14,348
Coffee and tea manufacturing	<1	499	826	5,007
Flavoring syrup and concentrate manufacturing	<1	196	1,173	2,793
Mayonnaise, dressing, and sauce manufacturing	<1	529	879	4,653
Spice and extract manufacturing	<1	1,547	2,343	11,381
All other food manufacturing	<1	950	1,262	7,760
Bottled and canned soft drinks & water	<1	6,629	10,101	47,864
Manufactured ice	<1	265	180	900
Breweries	<1	537	954	3,186
Wineries	<1	90	139	724
Distilleries	<1	1,101	3,476	9,054
Tobacco product manufacturing	<1	613	18,622	38,580
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	140	297	1,051
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	9	14	56
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	137	199	603
Textile bag and canvas mills	<1	319	510	1,392
Rope, cordage, twine, tire cord and tire fabric mills	<1	74	148	355
Other textile product mills	<1	642	866	2,316
Hosiery and sock mills	<1	55	94	174
Other apparel knitting mills	<1	47	80	155
Cut and sew apparel contractors	<1	36	45	141
Men's and boys' cut and sew apparel manufacturing	<1	67	84	371
Women's and girls' cut and sew apparel manufacturing	<1	80	80	806
Other cut and sew apparel manufacturing	<1	54	74	297
Apparel accessories and other apparel manufacturing	<1	68	103	286
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	5	4	14

## Appendix

Sawmills	<1	67	74	368
Wood preservation	<1	38	44	307
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	715	739	3,164
Reconstituted wood product manufacturing	<1	283	345	2,529
Wood windows and door manufacturing	<1	868	855	2,901
Cut stock, resawing lumber, and planing	<1	225	242	1,043
Other millwork, including flooring	<1	533	521	1,798
Wood container and pallet manufacturing	<1	1,727	1,674	5,995
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	311	294	1,298
All other miscellaneous wood product manufacturing	<1	20	20	89
Pulp mills	0	0	0	0
Paper mills	<1	621	1,066	3,952
Paperboard mills	<1	231	414	1,565
Paperboard container manufacturing	<1	404	601	3,474
Paper bag and coated and treated paper manufacturing	<1	337	471	2,004
Stationery product manufacturing	<1	442	523	1,728
Sanitary paper product manufacturing	<1	2,976	7,250	31,259
All other converted paper product manufacturing	<1	384	589	2,278
Printing	<1	27,561	46,644	88,657
Support activities for printing	<1	79	136	205
Petroleum refineries	<1	4,470	9,403	161,311
Asphalt paving mixture and block manufacturing	<1	624	683	2,297
Asphalt shingle and coating materials manufacturing	<1	456	627	2,172
Petroleum lubricating oil and grease manufacturing	<1	165	192	1,075
All other petroleum and coal products manufacturing	<1	272	359	1,871
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	59	102	360

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	338	476	1,763
Other basic organic chemical manufacturing	<1	771	1,232	10,117
Plastics material and resin manufacturing	<1	122	172	1,804
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	41	74	384
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	28	37	162
Pesticide and other agricultural chemical manufacturing	<1	214	413	2,847
Medicinal and botanical manufacturing	<1	385	406	2,230
Pharmaceutical preparation manufacturing	<1	2,874	4,406	21,051
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	214	301	905
Paint and coating manufacturing	<1	1,163	1,559	8,189
Adhesive manufacturing	<1	70	80	374
Soap and other detergent manufacturing	<1	358	551	3,565
Polish and other sanitation good manufacturing	<1	287	320	1,100
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,247	1,927	7,899
Printing ink manufacturing	<1	111	113	398
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	236	280	1,196
Photographic film and chemical manufacturing	<1	108	157	594
Other miscellaneous chemical product manufacturing	<1	741	889	4,350
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,875	2,743	12,759
Unlaminated plastics profile shape manufacturing	<1	52	100	343
Plastics pipe and pipe fitting manufacturing	<1	280	660	2,527

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	49	74	310
Polystyrene foam product manufacturing	<1	313	501	2,302
Urethane and other foam product (except polystyrene) manufacturing	<1	1,066	1,631	6,762
Plastics bottle manufacturing	<1	177	252	1,254
Other plastics product manufacturing	<1	3,743	5,192	18,191
Tire manufacturing	<1	89	114	464
Rubber and plastics hoses and belting manufacturing	<1	63	92	395
Other rubber product manufacturing	<1	377	454	1,830
Pottery, ceramics, and plumbing fixture manufacturing	<1	18	28	59
Brick, tile, and other structural clay product manufacturing	<1	121	202	451
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	330	584	1,640
Cement manufacturing	<1	172	383	986
Ready-mix concrete manufacturing	<1	2,081	3,385	11,382
Concrete block and brick manufacturing	<1	621	1,089	2,545
Concrete pipe manufacturing	<1	250	420	994
Other concrete product manufacturing	<1	1,627	2,414	5,730
Lime manufacturing	<1	41	83	234
Gypsum product manufacturing	<1	786	2,201	5,668
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,270	1,639	3,647
Ground or treated mineral and earth manufacturing	<1	357	791	2,157
Mineral wool manufacturing	<1	71	181	489
Miscellaneous nonmetallic mineral products manufacturing	<1	15	35	90
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	3	4	18



## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	15	20	100
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	44	109	624
Copper rolling, drawing, extruding and alloying	<1	106	132	1,493
Nonferrous metal, except copper and aluminum, shaping	<1	161	175	894
Secondary processing of other nonferrous metals	<1	6	8	61
Ferrous metal foundries	<1	329	391	1,342
Nonferrous metal foundries	<1	203	221	689
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	343	471	1,297
Iron and steel forging	0	0	0	0
Nonferrous forging	<1	194	262	763
Cutlery, utensil, pot, and pan manufacturing	<1	128	300	998
Handtool manufacturing	<1	81	145	401
Prefabricated metal buildings and components manufacturing	<1	59	97	322
Fabricated structural metal manufacturing	<1	900	1,438	4,104
Plate work manufacturing	<1	61	73	282
Metal window and door manufacturing	<1	188	284	891
Sheet metal work manufacturing	<1	562	819	2,381
Ornamental and architectural metal work manufacturing	<1	763	974	2,813
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	10	13	41
Metal cans manufacturing	<1	169	344	1,660
Metal barrels, drums and pails manufacturing	<1	4	6	30
Hardware manufacturing	<1	81	127	503
Spring and wire product manufacturing	<1	170	235	646

## Appendix

Machine shops	<1	580	714	1,634
Turned product and screw, nut, and bolt manufacturing	<1	1,145	1,539	4,247
Metal heat treating	<1	51	71	181
Metal coating and nonprecious engraving	<1	294	571	1,735
Electroplating, anodizing, and coloring metal	<1	68	76	175
Valve and fittings, other than plumbing, manufacturing	<1	187	302	996
Plumbing fixture fitting and trim manufacturing	<1	14	37	151
Ball and roller bearing manufacturing	<1	37	65	199
Small arms ammunition manufacturing	<1	541	1,405	3,552
Ammunition, except for small arms, manufacturing	<1	20	23	49
Small arms, ordnance, and accessories manufacturing	<1	880	2,024	5,339
Fabricated pipe and pipe fitting manufacturing	<1	8	10	34
Other fabricated metal manufacturing	<1	941	1,320	3,492
Farm machinery and equipment manufacturing	<1	4	13	40
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	4	18	35
Mining machinery and equipment manufacturing	<1	<1	1	2
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	4
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	2	4	11
Optical instrument and lens manufacturing	<1	2	4	12
Photographic and photocopying equipment manufacturing	<1	2	3	12
Other commercial service industry machinery manufacturing	<1	18	53	168

## Appendix

Air purification and ventilation equipment manufacturing	<1	50	96	315
Heating equipment (except warm air furnaces) manufacturing	<1	3	7	22
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5	15	47
Industrial mold manufacturing	<1	15	24	44
Special tool, die, jig, and fixture manufacturing	<1	18	35	60
Cutting tool and machine tool accessory manufacturing	<1	28	41	92
Machine tool manufacturing	<1	17	31	92
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	67	144	308
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	2	5	11
Air and gas compressor manufacturing	<1	4	8	22
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	3	5	17
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	2
Industrial truck, trailer, and stacker manufacturing	<1	25	72	220
Power-driven handtool manufacturing	<1	54	298	626
Welding and soldering equipment manufacturing	<1	<1	2	5
Packaging machinery manufacturing	<1	2	4	10
Industrial process furnace and oven manufacturing	<1	4	7	16
Fluid power cylinder and actuator manufacturing	<1	4	9	22
Fluid power pump and motor manufacturing	<1	7	19	51

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	8	14	37
Electronic computer manufacturing	<1	1	1	7
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	5	7	63
Telephone apparatus manufacturing	<1	2	3	14
Broadcast and wireless communications equipment manufacturing	<1	6	8	28
Other communications equipment manufacturing	<1	4	5	25
Audio and video equipment manufacturing	<1	68	96	661
Printed circuit assembly (electronic assembly) manufacturing	<1	184	241	1,312
Bare printed circuit board manufacturing	<1	13	15	40
Semiconductor and related device manufacturing	<1	44	60	323
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	27	31	147
Electronic connector manufacturing	<1	63	75	343
Other electronic component manufacturing	<1	30	35	147
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	6
Search, detection, and navigation instruments manufacturing	<1	16	22	70
Automatic environmental control manufacturing	<1	27	32	95
Industrial process variable instruments manufacturing	<1	70	85	221
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	5	5	22
Analytical laboratory instrument manufacturing	<1	7,718	10,854	30,457
Irradiation apparatus manufacturing	<1	<1	<1	4

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	8	10	44
Blank magnetic and optical recording media manufacturing	<1	27	68	782
Software and other prerecorded and record reproducing	<1	6	7	40
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	10	13	55
Small electrical appliance manufacturing	<1	16	27	145
Household cooking appliance manufacturing	<1	14	27	145
Household refrigerator and home freezer manufacturing	<1	18	32	152
Household laundry equipment manufacturing	<1	59	87	483
Other major household appliance manufacturing	<1	6	13	57
Power, distribution, and specialty transformer manufacturing	<1	12	15	40
Motor and generator manufacturing	<1	19	28	92
Switchgear and switchboard apparatus manufacturing	<1	3	5	18
Relay and industrial control manufacturing	<1	24	29	97
Storage battery manufacturing	<1	6,792	8,888	26,437
Primary battery manufacturing	<1	2,166	7,710	10,077
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2,614	3,608	15,537
Wiring device manufacturing	<1	6,982	10,253	27,742
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	16	18	47
Automobile manufacturing	<1	323	258	5,146
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	8	8	37
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	948	939	5,646

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	525	526	4,412
Motor vehicle electrical and electronic equipment manufacturing	<1	157	207	1,021
Motor vehicle transmission and power train parts manufacturing	<1	56	53	496
Motor vehicle seating and interior trim manufacturing	<1	6	6	38
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	1,774	1,652	10,336
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,201	1,181	7,566
Aircraft manufacturing	<1	3	6	18
Aircraft engine and engine parts manufacturing	<1	32	106	258
Other aircraft parts and auxiliary equipment manufacturing	<1	43,443	69,221	153,817
Guided missile and space vehicle manufacturing	<1	<1	1	3
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	1	6
Ship building and repairing	<1	2	3	7
Boat building	<1	54	95	268
Motorcycle, bicycle, and parts manufacturing	<1	255	1,277	2,906
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	30	82	349
Wood kitchen cabinet and countertop manufacturing	<1	1,081	1,179	3,077
Upholstered household furniture manufacturing	<1	369	400	2,035
Nonupholstered wood household furniture manufacturing	<1	116	123	379
Other household nonupholstered furniture manufacturing	<1	78	100	672
Institutional furniture manufacturing	<1	45	47	159
Wood office furniture manufacturing	<1	4	5	17

## Appendix

Custom architectural woodwork and millwork	<1	59	56	145
Office furniture, except wood, manufacturing	<1	20	23	100
Showcase, partition, shelving, and locker manufacturing	<1	62	68	245
Mattress manufacturing	<1	55	71	441
Blind and shade manufacturing	<1	49	50	213
Surgical and medical instrument manufacturing	<1	182	623	967
Surgical appliance and supplies manufacturing	<1	259	1,295	1,973
Dental equipment and supplies manufacturing	<1	3	14	25
Ophthalmic goods manufacturing	<1	102	546	821
Dental laboratories	<1	562	909	1,476
Jewelry and silverware manufacturing	<1	1,036	2,733	5,357
Sporting and athletic goods manufacturing	<1	282	842	1,604
Doll, toy, and game manufacturing	<1	328	1,820	3,181
Office supplies (except paper) manufacturing	<1	420	1,423	2,383
Sign manufacturing	<1	3,058	3,137	6,623
Gasket, packing, and sealing device manufacturing	<1	85	133	253
Musical instrument manufacturing	<1	3	5	8
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	9,395	23,973	34,931
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	28,690	55,164	136,584
Wholesale - Professional and commercial equipment and supplies	<1	107,783	158,037	289,817
Wholesale - Household appliances and electrical and electronic goods	<1	36,775	76,933	197,407
Wholesale - Machinery, equipment, and supplies	<1	28,326	48,184	92,057
Wholesale - Other durable goods merchant wholesalers	<1	102,599	169,843	354,136

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	66,674	134,394	341,026
Wholesale - Grocery and related product wholesalers	1	88,915	122,081	264,425
Wholesale - Petroleum and petroleum products	<1	9,397	148,391	175,236
Wholesale - Other nondurable goods merchant wholesalers	1	120,778	253,827	502,506
Wholesale - Wholesale electronic markets and agents and brokers	<1	56,279	61,766	73,812
Retail - Motor vehicle and parts dealers	1	148,829	210,924	278,083
Retail - Furniture and home furnishings stores	1	67,690	99,193	158,371
Retail - Electronics and appliance stores	1	67,742	74,779	119,006
Retail - Building material and garden equipment and supplies stores	<1	47,162	102,121	142,277
Retail - Food and beverage stores	5	229,403	345,353	537,049
Retail - Health and personal care stores	2	127,399	166,950	245,902
Retail - Gasoline stores	1	96,144	176,861	287,573
Retail - Clothing and clothing accessories stores	2	112,623	187,167	329,764
Retail - Sporting goods, hobby, musical instrument and book stores	2	61,271	88,042	137,094
Retail - General merchandise stores	4	183,048	314,135	494,747
Retail - Miscellaneous store retailers	3	150,222	162,566	241,137
Retail - Nonstore retailers	5	101,219	601,534	1,015,713
Air transportation	<1	95,049	272,378	464,405
Rail transportation	<1	9,205	38,197	58,328
Water transportation	<1	-73	747	9,339
Truck transportation	2	164,507	238,154	502,492
Transit and ground passenger transportation	3	45,659	66,086	108,546
Pipeline transportation	<1	2,995	12,701	18,252
Scenic and sightseeing transportation and support activities for transportation	1	100,111	82,234	134,398
Couriers and messengers	3	73,989	158,331	194,500
Warehousing and storage	3	166,804	179,339	336,222
Newspaper publishers	<1	8,442	13,048	18,876
Periodical publishers	<1	4,564	6,529	12,832
Book publishers	<1	2,703	6,141	12,751



## Appendix

Directory, mailing list, and other publishers	<1	1,079	2,247	4,632
Greeting card publishing	<1	158	448	876
Software publishers	<1	134,321	225,807	335,556
Motion picture and video industries	<1	21,023	53,726	178,959
Sound recording industries	<1	1,930	40,175	65,003
Radio and television broadcasting	<1	166,001	171,515	272,065
Cable and other subscription programming	<1	35,878	58,377	134,768
Wired telecommunications carriers	<1	47,038	82,408	183,594
Wireless telecommunications carriers (except satellite)	<1	8,647	43,954	152,987
Satellite, telecommunications resellers, and all other telecommunications	<1	10,187	12,697	34,857
Data processing, hosting, and related services	<1	90,497	260,864	551,522
News syndicates, libraries, archives and all other information services	<1	3,335	10,657	26,638
Internet publishing and broadcasting and web search portals	<1	11,967	86,810	231,264
Nondepository credit intermediation and related activities	2	245,040	268,525	423,578
Securities and commodity contracts intermediation and brokerage	4	107,339	98,950	360,387
Monetary authorities and depository credit intermediation	2	147,692	1,089,804	1,274,099
Other financial investment activities	5	123,614	183,444	780,585
Direct life insurance carriers	<1	15,358	51,011	64,504
Insurance carriers, except direct life	1	110,938	663,088	1,039,264
Insurance agencies, brokerages, and related activities	2	124,433	283,086	587,435
Funds, trusts, and other financial vehicles	2	72,454	52,401	452,450
Other real estate	8	166,664	609,850	1,563,094
Tenant-occupied housing	4	71,593	955,814	1,043,946
Owner-occupied dwellings	0	0	3,233,128	3,901,850
Automotive equipment rental and leasing	<1	28,045	131,520	162,791

## Appendix

General and consumer goods rental except video tapes and discs	<1	30,816	63,222	88,285
Video tape and disc rental	<1	13,142	22,120	35,451
Commercial and industrial machinery and equipment rental and leasing	<1	24,594	92,199	114,466
Lessors of nonfinancial intangible assets	<1	3,881	67,779	72,213
Legal services	3	252,347	348,352	532,793
Accounting, tax preparation, bookkeeping, and payroll services	2	128,732	166,876	271,399
Architectural, engineering, and related services	<1	33,352	37,019	69,861
Specialized design services	<1	14,323	25,086	45,555
Custom computer programming services	<1	37,754	41,256	57,428
Computer systems design services	<1	37,683	37,202	48,412
Other computer related services, including facilities management	<1	25,040	35,722	66,862
Management consulting services	1	115,697	120,019	196,152
Environmental and other technical consulting services	<1	34,115	38,362	64,786
Scientific research and development services	-3	-301,663	-371,728	-723,613
Advertising, public relations, and related services	1	108,746	155,143	323,836
Photographic services	<1	4,416	11,924	25,514
Veterinary services	<1	45,925	52,395	79,844
Marketing research and all other miscellaneous professional, scientific, and technical services	1	74,225	142,653	335,543
Management of companies and enterprises	3	530,634	621,860	932,825
Office administrative services	<1	35,697	15,293	36,615
Facilities support services	<1	6,014	8,457	18,328
Employment services	5	214,513	307,430	527,618
Business support services	1	72,867	64,132	117,986
Travel arrangement and reservation services	<1	24,181	40,570	131,816
Investigation and security services	1	53,692	55,239	83,834
Services to buildings	2	61,645	90,799	188,140
Landscape and horticultural services	1	49,995	63,095	118,510
Other support services	<1	39,360	52,308	108,655
Waste management and remediation services	<1	42,754	66,824	139,654

## Appendix

Elementary and secondary schools	1	79,732	76,856	89,587
Junior colleges, colleges, universities, and professional schools	2	75,462	104,998	140,889
Other educational services	2	109,342	124,855	228,469
Offices of physicians	7	747,079	757,401	1,093,273
Offices of dentists	2	171,711	202,626	277,611
Offices of other health practitioners	2	137,793	202,284	258,071
Outpatient care centers	2	150,644	149,344	240,479
Medical and diagnostic laboratories	<1	67,324	104,100	143,778
Home health care services	2	142,990	142,810	176,712
Other ambulatory health care services	<1	56,750	66,190	100,851
Hospitals	10	1,008,393	1,195,195	2,158,690
Nursing and community care facilities	2	104,703	115,602	181,317
Residential mental retardation, mental health, substance abuse and other facilities	1	56,516	58,393	86,826
Individual and family services	6	200,669	174,275	253,320
Child day care services	2	62,065	85,664	112,951
Community food, housing, and other relief services, including rehabilitation services	1	54,291	51,460	113,792
Performing arts companies	<1	41,017	68,164	89,362
Commercial Sports Except Racing	<1	77,322	65,989	76,286
Racing and Track Operation	<1	6,027	10,206	13,218
Independent artists, writers, and performers	<1	27,496	72,868	86,222
Promoters of performing arts and sports and agents for public figures	<1	32,781	75,748	107,941
Museums, historical sites, zoos, and parks	<1	10,659	13,386	22,624
Amusement parks and arcades	<1	7,986	11,696	13,481
Gambling industries (except casino hotels)	2	138,664	268,732	372,447
Other amusement and recreation industries	<1	50,484	47,515	60,437
Fitness and recreational sports centers	<1	27,008	36,609	49,740
Bowling centers	<1	5,573	9,789	12,502
Hotels and motels, including casino hotels	5	262,597	519,467	715,131
Other accommodations	<1	6,071	7,599	9,597

## Appendix

Full-service restaurants	8	348,110	539,224	898,449
Limited-service restaurants	8	266,050	442,202	904,382
All other food and drinking places	3	147,553	342,327	445,844
Automotive repair and maintenance, except car washes	3	245,622	278,328	387,053
Car washes	2	135,939	192,436	272,135
Electronic and precision equipment repair and maintenance	<1	39,159	48,303	79,057
Commercial and industrial machinery and equipment repair and maintenance	<1	48,195	49,273	78,506
Personal and household goods repair and maintenance	<1	18,081	33,472	47,743
Personal care services	3	103,384	69,359	84,272
Death care services	<1	25,851	18,977	25,432
Dry-cleaning and laundry services	1	35,790	24,570	31,373
Other personal services	2	66,693	88,830	122,615
Religious organizations	2	90,382	50,804	161,086
Grantmaking, giving, and social advocacy organizations	<1	39,889	121,693	176,749
Business and professional associations	<1	19,394	30,806	49,323
Labor and civic organizations	1	57,584	164,134	249,109
Private households	2	37,137	37,137	37,137
Postal service	<1	69,771	70,044	70,071
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	6,404	5,718	25,369
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	139	170	308
Local government passenger transit	<1	60	5	32
Local government electric utilities	<1	1,048	2,695	5,824
Other local government enterprises	<1	83,638	132,961	342,315
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	213	29,668,192	40,389,043	40,415,932

## Investments in Climate Change Research and Technology

**Table 711: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>207</i>	<i>19,119,980</i>	<i>29,356,540</i>	<i>39,127,881</i>
Oilseed farming	0	0	0	0
Grain farming	<1	688	-177	6,009
Vegetable and melon farming	<1	844	917	3,920
Fruit farming	<1	36	38	132
Tree nut farming	<1	12	12	45
Greenhouse, nursery, and floriculture production	<1	204	222	801
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,443	2,488	9,383
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	731	648	7,462
Dairy cattle and milk production	<1	337	359	4,762
Poultry and egg production	<1	83	89	1,804
Animal production, except cattle and poultry and eggs	<1	1,360	1,572	6,405
Forestry, forest products, and timber tract production	<1	44	50	62

## Appendix

Commercial logging	<1	83	90	126
Commercial fishing	<1	71	1,455	1,683
Commercial hunting and trapping	<1	22	36	78
Support activities for agriculture and forestry	<1	5,776	5,782	6,328
Oil and gas extraction	<1	-2,029	148	67,355
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	1,003	3,697	5,846
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,303	3,316	6,402
Silver ore mining	<1	178	348	664
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	12	22	38
Stone mining and quarrying	<1	273	873	1,415
Sand and gravel mining	<1	446	832	1,414
Other clay, ceramic, refractory minerals mining	<1	160	307	528
Potash, soda, and borate mineral mining	<1	120	193	338
Phosphate rock mining	<1	28	54	99
Other chemical and fertilizer mineral mining	<1	55	89	166
Other nonmetallic minerals	<1	136	251	460
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	3	9	24
Metal mining services	<1	630	931	6,542
Other nonmetallic minerals services	<1	<1	1	19
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	8,872	44,098	91,111
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2,115	6,032	11,361
Electric power generation - Wind	<1	170	2,146	3,782
Electric power generation - Geothermal	<1	3,578	9,476	17,298
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	24,472	116,975	247,112

Appendix

Natural gas distribution	<1	14,847	68,236	124,626
Water, sewage and other systems	<1	1,618	4,390	7,687
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	23,261	54,425	102,398
Maintenance and repair construction of residential structures	<1	23,703	47,084	90,252
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	50	114	218
Dog and cat food manufacturing	<1	358	782	3,954
Other animal food manufacturing	<1	643	1,136	9,960
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	85	185	2,040
Breakfast cereal manufacturing	<1	723	1,459	6,136
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	345	452	2,472

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	275	375	1,551
Confectionery manufacturing from purchased chocolate	<1	238	315	2,098
Frozen fruits, juices and vegetables manufacturing	<1	1,158	2,027	10,321
Frozen specialties manufacturing	<1	776	986	4,894
Canned fruits and vegetables manufacturing	<1	171	282	1,159
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	163	262	1,082
Cheese manufacturing	<1	169	220	2,317
Dry, condensed, and evaporated dairy product manufacturing	<1	284	565	3,695
Fluid milk manufacturing	<1	818	1,155	7,676
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	626	811	3,828
Frozen cakes and other pastries manufacturing	<1	1,458	2,210	3,970
Poultry processing	<1	356	413	1,543
Animal, except poultry, slaughtering	<1	217	278	1,836
Meat processed from carcasses	<1	1,274	1,270	11,716
Rendering and meat byproduct processing	<1	67	79	394
Seafood product preparation and packaging	<1	89	111	649
Bread and bakery product, except frozen, manufacturing	<1	4,720	6,677	17,218
Cookie and cracker manufacturing	<1	1,191	1,528	5,473
Dry pasta, mixes, and dough manufacturing	<1	48	93	639
Tortilla manufacturing	<1	400	502	2,270
Roasted nuts and peanut butter manufacturing	<1	191	231	994
Other snack food manufacturing	<1	863	1,706	7,741
Coffee and tea manufacturing	<1	287	453	2,825
Flavoring syrup and concentrate manufacturing	<1	107	598	1,507
Mayonnaise, dressing, and sauce manufacturing	<1	285	479	2,505
Spice and extract manufacturing	<1	649	933	4,636
All other food manufacturing	<1	477	625	3,851
Bottled and canned soft drinks & water	<1	3,829	5,668	26,968
Manufactured ice	<1	130	85	462



## Appendix

Breweries	<1	286	481	1,617
Wineries	<1	40	60	313
Distilleries	<1	655	1,829	4,955
Tobacco product manufacturing	<1	293	6,403	14,846
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	36	73	300
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	6	26
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	68	97	312
Textile bag and canvas mills	<1	180	276	796
Rope, cordage, twine, tire cord and tire fabric mills	<1	57	100	269
Other textile product mills	<1	337	440	1,250
Hosiery and sock mills	<1	29	50	100
Other apparel knitting mills	<1	27	45	93
Cut and sew apparel contractors	<1	20	25	80
Men's and boys' cut and sew apparel manufacturing	<1	31	38	174
Women's and girls' cut and sew apparel manufacturing	<1	36	35	377
Other cut and sew apparel manufacturing	<1	25	34	141
Apparel accessories and other apparel manufacturing	<1	31	47	143
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	8
Sawmills	<1	43	49	236
Wood preservation	<1	26	31	218
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	432	451	1,923
Reconstituted wood product manufacturing	<1	217	267	1,990
Wood windows and door manufacturing	<1	579	582	1,988
Cut stock, resawing lumber, and planing	<1	121	139	562

## Appendix

Other millwork, including flooring	<1	321	328	1,124
Wood container and pallet manufacturing	<1	864	867	3,106
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	174	173	749
All other miscellaneous wood product manufacturing	<1	8	8	41
Pulp mills	0	0	0	0
Paper mills	<1	324	700	2,260
Paperboard mills	<1	219	420	1,488
Paperboard container manufacturing	<1	235	349	1,957
Paper bag and coated and treated paper manufacturing	<1	166	250	1,094
Stationery product manufacturing	<1	193	239	851
Sanitary paper product manufacturing	<1	1,777	4,525	18,536
All other converted paper product manufacturing	<1	178	287	1,086
Printing	<1	13,954	22,694	46,212
Support activities for printing	<1	38	64	101
Petroleum refineries	<1	3,004	5,865	104,401
Asphalt paving mixture and block manufacturing	<1	301	323	1,182
Asphalt shingle and coating materials manufacturing	<1	304	371	1,386
Petroleum lubricating oil and grease manufacturing	<1	82	97	586
All other petroleum and coal products manufacturing	<1	241	318	1,873
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	38	60	220
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	238	298	1,149
Other basic organic chemical manufacturing	<1	624	894	7,353
Plastics material and resin manufacturing	<1	107	132	1,392
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	18	32	195

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	19	23	104
Pesticide and other agricultural chemical manufacturing	<1	134	236	1,652
Medicinal and botanical manufacturing	<1	152	165	941
Pharmaceutical preparation manufacturing	<1	1,308	1,932	9,561
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	62	97	307
Paint and coating manufacturing	<1	700	860	4,645
Adhesive manufacturing	<1	30	33	160
Soap and other detergent manufacturing	<1	150	223	1,666
Polish and other sanitation good manufacturing	<1	140	152	544
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	593	881	3,706
Printing ink manufacturing	<1	51	52	181
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	109	120	540
Photographic film and chemical manufacturing	<1	68	95	395
Other miscellaneous chemical product manufacturing	<1	491	542	2,657
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	980	1,407	6,902
Unlaminated plastics profile shape manufacturing	<1	33	62	223
Plastics pipe and pipe fitting manufacturing	<1	190	432	1,701
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	31	45	192
Polystyrene foam product manufacturing	<1	187	291	1,387
Urethane and other foam product (except polystyrene) manufacturing	<1	625	937	4,039
Plastics bottle manufacturing	<1	94	132	674
Other plastics product manufacturing	<1	2,044	2,742	10,113
Tire manufacturing	<1	42	51	222

Appendix

Rubber and plastics hoses and belting manufacturing	<1	50	71	297
Other rubber product manufacturing	<1	288	344	1,366
Pottery, ceramics, and plumbing fixture manufacturing	<1	10	16	33
Brick, tile, and other structural clay product manufacturing	<1	74	127	283
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	227	412	1,133
Cement manufacturing	<1	117	270	682
Ready-mix concrete manufacturing	<1	1,400	2,329	7,721
Concrete block and brick manufacturing	<1	337	605	1,403
Concrete pipe manufacturing	<1	155	260	594
Other concrete product manufacturing	<1	997	1,509	3,583
Lime manufacturing	<1	33	74	197
Gypsum product manufacturing	<1	456	1,299	3,350
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	680	891	1,981
Ground or treated mineral and earth manufacturing	<1	200	480	1,265
Mineral wool manufacturing	<1	48	132	354
Miscellaneous nonmetallic mineral products manufacturing	<1	9	23	59
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	2	3	12
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	8	9	46
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	40	114	592

## Appendix

Copper rolling, drawing, extruding and alloying	<1	81	112	1,229
Nonferrous metal, except copper and aluminum, shaping	<1	100	109	568
Secondary processing of other nonferrous metals	<1	4	5	35
Ferrous metal foundries	<1	198	240	809
Nonferrous metal foundries	<1	122	137	433
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	165	226	637
Iron and steel forging	0	0	0	0
Nonferrous forging	<1	91	122	369
Cutlery, utensil, pot, and pan manufacturing	<1	52	130	435
Handtool manufacturing	<1	37	65	192
Prefabricated metal buildings and components manufacturing	<1	44	73	245
Fabricated structural metal manufacturing	<1	665	1,055	3,055
Plate work manufacturing	<1	43	52	208
Metal window and door manufacturing	<1	124	185	601
Sheet metal work manufacturing	<1	340	495	1,484
Ornamental and architectural metal work manufacturing	<1	499	639	1,913
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	7	9	30
Metal cans manufacturing	<1	97	200	980
Metal barrels, drums and pails manufacturing	<1	2	3	17
Hardware manufacturing	<1	45	73	293
Spring and wire product manufacturing	<1	80	110	306
Machine shops	<1	2,793	3,454	8,393
Turned product and screw, nut, and bolt manufacturing	<1	520	701	1,967
Metal heat treating	<1	30	42	108
Metal coating and nonprecious engraving	<1	176	340	1,042
Electroplating, anodizing, and coloring metal	<1	37	41	95
Valve and fittings, other than plumbing, manufacturing	<1	104	166	550
Plumbing fixture fitting and trim manufacturing	<1	9	24	96

## Appendix

Ball and roller bearing manufacturing	<1	16	28	89
Small arms ammunition manufacturing	<1	226	582	1,570
Ammunition, except for small arms, manufacturing	<1	15	17	39
Small arms, ordnance, and accessories manufacturing	<1	1,866	3,837	10,580
Fabricated pipe and pipe fitting manufacturing	<1	4	6	19
Other fabricated metal manufacturing	<1	521	732	1,987
Farm machinery and equipment manufacturing	<1	4	13	40
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	2	10	22
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	1	2	6
Optical instrument and lens manufacturing	<1	2	3	10
Photographic and photocopying equipment manufacturing	<1	1	2	7
Other commercial service industry machinery manufacturing	<1	11	31	98
Air purification and ventilation equipment manufacturing	<1	36	68	229
Heating equipment (except warm air furnaces) manufacturing	<1	1	4	12
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3	9	30
Industrial mold manufacturing	<1	9	14	27
Special tool, die, jig, and fixture manufacturing	<1	7	14	25

Appendix

Cutting tool and machine tool accessory manufacturing	<1	14	21	48
Machine tool manufacturing	<1	1,973	2,595	7,510
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	34	77	164
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	3	6
Air and gas compressor manufacturing	<1	3	6	15
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	2	2	9
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	2
Industrial truck, trailer, and stacker manufacturing	<1	14	42	128
Power-driven handtool manufacturing	<1	12	73	153
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	2	5
Industrial process furnace and oven manufacturing	<1	2	2	6
Fluid power cylinder and actuator manufacturing	<1	3	6	15
Fluid power pump and motor manufacturing	<1	3	10	26
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	7	19
Electronic computer manufacturing	<1	<1	<1	4
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	3	4	36
Telephone apparatus manufacturing	<1	3	4	16

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	3	3	13
Other communications equipment manufacturing	<1	3	3	17
Audio and video equipment manufacturing	<1	30	42	298
Printed circuit assembly (electronic assembly) manufacturing	<1	91	117	646
Bare printed circuit board manufacturing	<1	11	12	30
Semiconductor and related device manufacturing	<1	22	30	171
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	13	15	73
Electronic connector manufacturing	<1	56	67	312
Other electronic component manufacturing	<1	15	16	69
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	3
Search, detection, and navigation instruments manufacturing	<1	7	10	31
Automatic environmental control manufacturing	<1	15	19	57
Industrial process variable instruments manufacturing	<1	41	49	129
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	<1	<1	1	4
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	4	5	20
Blank magnetic and optical recording media manufacturing	<1	9	25	294
Software and other prerecorded and record reproducing	<1	3	4	23
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	6	7	33
Small electrical appliance manufacturing	<1	7	12	63



## Appendix

Household cooking appliance manufacturing	<1	6	10	61
Household refrigerator and home freezer manufacturing	<1	8	11	64
Household laundry equipment manufacturing	<1	25	34	205
Other major household appliance manufacturing	<1	3	5	25
Power, distribution, and specialty transformer manufacturing	<1	7	9	24
Motor and generator manufacturing	<1	11	16	54
Switchgear and switchboard apparatus manufacturing	<1	2	4	16
Relay and industrial control manufacturing	<1	11	14	50
Storage battery manufacturing	<1	3,098	4,033	12,546
Primary battery manufacturing	<1	865	1,803	3,664
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	1,561	2,073	9,160
Wiring device manufacturing	<1	3,702	5,277	14,991
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	9	10	28
Automobile manufacturing	<1	202	189	3,542
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	4	5	22
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	697	706	4,164
Motor vehicle gasoline engine and engine parts manufacturing	<1	278	282	2,378
Motor vehicle electrical and electronic equipment manufacturing	<1	102	135	717
Motor vehicle transmission and power train parts manufacturing	<1	21	21	209
Motor vehicle seating and interior trim manufacturing	<1	5	5	32
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	1,081	1,054	6,476

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	588	555	3,748
Aircraft manufacturing	<1	<1	1	5
Aircraft engine and engine parts manufacturing	<1	3	11	28
Other aircraft parts and auxiliary equipment manufacturing	<1	19	32	75
Guided missile and space vehicle manufacturing	<1	<1	2	5
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	4
Ship building and repairing	<1	1	2	4
Boat building	<1	38	69	193
Motorcycle, bicycle, and parts manufacturing	<1	179	1,079	2,273
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	23	67	291
Wood kitchen cabinet and countertop manufacturing	<1	699	776	2,047
Upholstered household furniture manufacturing	<1	170	184	925
Nonupholstered wood household furniture manufacturing	<1	57	61	192
Other household nonupholstered furniture manufacturing	<1	39	51	364
Institutional furniture manufacturing	<1	25	26	91
Wood office furniture manufacturing	<1	3	3	9
Custom architectural woodwork and millwork	<1	33	31	82
Office furniture, except wood, manufacturing	<1	10	12	52
Showcase, partition, shelving, and locker manufacturing	<1	38	43	157
Mattress manufacturing	<1	31	40	247
Blind and shade manufacturing	<1	31	31	130
Surgical and medical instrument manufacturing	<1	89	304	489
Surgical appliance and supplies manufacturing	<1	121	589	934

## Appendix

Dental equipment and supplies manufacturing	<1	2	7	12
Ophthalmic goods manufacturing	<1	59	308	472
Dental laboratories	<1	283	456	744
Jewelry and silverware manufacturing	<1	560	1,447	2,864
Sporting and athletic goods manufacturing	<1	160	476	947
Doll, toy, and game manufacturing	<1	174	926	1,642
Office supplies (except paper) manufacturing	<1	224	742	1,363
Sign manufacturing	<1	1,704	1,721	3,755
Gasket, packing, and sealing device manufacturing	<1	51	80	155
Musical instrument manufacturing	<1	<1	1	3
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	5,003	12,608	19,033
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	13,676	26,474	64,652
Wholesale - Professional and commercial equipment and supplies	<1	49,179	72,419	132,736
Wholesale - Household appliances and electrical and electronic goods	<1	19,137	40,721	103,728
Wholesale - Machinery, equipment, and supplies	<1	15,737	26,882	51,368
Wholesale - Other durable goods merchant wholesalers	<1	49,916	82,864	172,480
Wholesale - Drugs and druggists'sundries	<1	31,011	63,897	164,945
Wholesale - Grocery and related product wholesalers	<1	44,204	61,472	133,325
Wholesale - Petroleum and petroleum products	<1	5,900	74,102	90,109
Wholesale - Other nondurable goods merchant wholesalers	<1	57,585	117,675	237,656
Wholesale - Wholesale electronic markets and agents and brokers	<1	27,128	30,022	36,347
Retail - Motor vehicle and parts dealers	<1	71,615	102,836	136,234
Retail - Furniture and home furnishings stores	<1	31,698	46,931	75,533

## Appendix

Retail - Electronics and appliance stores	<1	31,487	35,142	57,351
Retail - Building material and garden equipment and supplies stores	<1	22,108	48,941	68,466
Retail - Food and beverage stores	2	102,373	156,306	243,834
Retail - Health and personal care stores	1	58,921	77,898	116,530
Retail - Gasoline stores	<1	46,430	88,267	145,195
Retail - Clothing and clothing accessories stores	1	51,570	88,724	159,130
Retail - Sporting goods, hobby, musical instrument and book stores	<1	28,117	40,998	64,620
Retail - General merchandise stores	2	88,566	154,346	244,074
Retail - Miscellaneous store retailers	2	69,782	76,509	115,327
Retail - Nonstore retailers	2	46,866	280,977	474,874
Air transportation	<1	50,067	142,414	245,862
Rail transportation	<1	4,897	21,989	32,029
Water transportation	<1	-32	298	4,168
Truck transportation	1	83,385	121,921	262,907
Transit and ground passenger transportation	1	17,452	26,403	44,763
Pipeline transportation	<1	2,297	8,125	11,894
Scenic and sightseeing transportation and support activities for transportation	<1	55,397	47,063	76,378
Couriers and messengers	1	34,263	78,010	95,771
Warehousing and storage	2	82,978	88,567	168,732
Newspaper publishers	<1	3,780	5,266	8,094
Periodical publishers	<1	1,610	1,982	4,369
Book publishers	<1	1,079	2,177	4,875
Directory, mailing list, and other publishers	<1	603	1,135	2,427
Greeting card publishing	<1	75	192	383
Software publishers	<1	95,795	147,565	223,571
Motion picture and video industries	<1	9,537	24,374	83,971
Sound recording industries	<1	880	18,336	30,628
Radio and television broadcasting	<1	78,430	81,072	142,137
Cable and other subscription programming	<1	16,491	25,388	62,156
Wired telecommunications carriers	<1	25,232	42,435	96,706

## Appendix

Wireless telecommunications carriers (except satellite)	<1	5,051	21,452	80,441
Satellite, telecommunications resellers, and all other telecommunications	<1	5,625	7,466	19,682
Data processing, hosting, and related services	<1	48,724	142,904	300,600
News syndicates, libraries, archives and all other information services	<1	1,617	5,207	12,807
Internet publishing and broadcasting and web search portals	<1	6,294	46,290	123,007
Nondepository credit intermediation and related activities	1	114,419	124,677	202,171
Securities and commodity contracts intermediation and brokerage	2	46,143	44,236	180,469
Monetary authorities and depository credit intermediation	<1	82,939	527,595	661,417
Other financial investment activities	2	46,729	69,374	334,168
Direct life insurance carriers	<1	7,595	24,452	32,617
Insurance carriers, except direct life	<1	53,548	308,586	515,639
Insurance agencies, brokerages, and related activities	<1	66,704	150,237	322,015
Funds, trusts, and other financial vehicles	1	30,333	20,455	205,173
Other real estate	5	97,700	356,736	948,012
Tenant-occupied housing	2	33,060	422,111	465,915
Owner-occupied dwellings	0	0	1,462,097	1,775,159
Automotive equipment rental and leasing	<1	13,388	59,240	76,379
General and consumer goods rental except video tapes and discs	<1	15,445	31,751	45,105
Video tape and disc rental	<1	6,329	10,745	17,149
Commercial and industrial machinery and equipment rental and leasing	<1	13,464	48,314	61,484
Lessors of nonfinancial intangible assets	<1	2,868	43,025	46,105
Legal services	2	157,515	208,266	325,897
Accounting, tax preparation, bookkeeping, and payroll services	<1	68,041	87,055	145,499
Architectural, engineering, and related services	<1	28,517	31,436	60,247
Specialized design services	<1	7,162	12,450	23,475

## Appendix

Custom computer programming services	<1	20,629	22,619	32,113
Computer systems design services	<1	20,069	19,920	26,279
Other computer related services, including facilities management	<1	13,271	19,198	35,879
Management consulting services	3	225,583	233,309	391,678
Environmental and other technical consulting services	<1	19,246	21,469	37,089
Scientific research and development services	5	498,430	629,792	1,243,875
Advertising, public relations, and related services	<1	54,219	76,106	164,349
Photographic services	<1	2,483	6,396	14,411
Veterinary services	<1	21,016	23,737	36,947
Marketing research and all other miscellaneous professional, scientific, and technical services	1	74,193	134,237	344,483
Management of companies and enterprises	2	291,141	340,242	524,191
Office administrative services	<1	18,070	7,392	18,924
Facilities support services	<1	3,861	5,328	12,057
Employment services	3	132,294	186,469	336,942
Business support services	<1	42,778	37,048	72,069
Travel arrangement and reservation services	<1	12,855	21,351	70,818
Investigation and security services	<1	28,808	29,576	46,220
Services to buildings	<1	33,495	48,313	104,319
Landscape and horticultural services	<1	25,155	31,343	61,211
Other support services	<1	20,343	26,695	57,516
Waste management and remediation services	<1	22,473	35,594	74,805
Elementary and secondary schools	<1	29,600	28,665	34,011
Junior colleges, colleges, universities, and professional schools	2	103,089	142,891	195,894
Other educational services	<1	45,738	51,828	97,566
Offices of physicians	3	338,923	342,428	501,408
Offices of dentists	1	77,539	89,895	125,284
Offices of other health practitioners	1	66,066	93,438	121,389
Outpatient care centers	<1	68,807	67,937	108,156
Medical and diagnostic laboratories	<1	31,431	47,000	66,426
Home health care services	<1	61,325	60,992	76,242

## Appendix

Other ambulatory health care services	<1	25,629	29,418	45,642
Hospitals	4	380,444	446,316	808,287
Nursing and community care facilities	<1	42,030	46,172	74,756
Residential mental retardation, mental health, substance abuse and other facilities	<1	19,812	20,428	31,296
Individual and family services	3	78,388	67,634	101,687
Child day care services	<1	25,560	34,329	46,324
Community food, housing, and other relief services, including rehabilitation services	<1	19,561	18,466	42,286
Performing arts companies	<1	17,852	28,589	39,327
Commercial Sports Except Racing	<1	38,033	28,507	34,579
Racing and Track Operation	<1	2,255	4,006	5,524
Independent artists, writers, and performers	<1	13,727	34,898	42,369
Promoters of performing arts and sports and agents for public figures	<1	14,796	33,032	49,786
Museums, historical sites, zoos, and parks	<1	4,238	5,237	9,183
Amusement parks and arcades	<1	3,573	5,173	6,063
Gambling industries (except casino hotels)	1	59,547	113,529	160,126
Other amusement and recreation industries	<1	22,038	20,648	26,885
Fitness and recreational sports centers	<1	11,170	14,905	21,047
Bowling centers	<1	2,498	4,300	5,636
Hotels and motels, including casino hotels	2	132,697	269,006	372,824
Other accommodations	<1	2,739	3,432	4,387
Full-service restaurants	4	165,086	258,574	436,873
Limited-service restaurants	4	123,730	208,044	437,229
All other food and drinking places	2	68,961	162,465	216,094
Automotive repair and maintenance, except car washes	2	111,331	132,063	184,705
Car washes	<1	63,553	91,277	130,009
Electronic and precision equipment repair and maintenance	<1	12,928	16,354	28,186
Commercial and industrial machinery and equipment repair and maintenance	<1	25,598	26,797	43,914
Personal and household goods repair and maintenance	<1	8,688	17,576	24,854

## Appendix

Personal care services	1	46,374	35,638	42,688
Death care services	<1	10,586	8,734	11,620
Dry-cleaning and laundry services	<1	17,584	13,861	17,480
Other personal services	<1	31,678	43,891	60,868
Religious organizations	<1	33,665	22,117	63,728
Grantmaking, giving, and social advocacy organizations	<1	13,815	49,181	69,972
Business and professional associations	<1	7,704	13,898	22,223
Labor and civic organizations	<1	20,748	70,137	101,985
Private households	<1	16,655	16,655	16,727
Postal service	<1	33,474	33,587	33,840
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,810	2,568	10,801
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	74	113	212
Local government passenger transit	<1	28	3	19
Local government electric utilities	<1	697	1,974	4,208
Other local government enterprises	<1	46,165	95,273	212,521
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	93	12,236,817	16,441,429	16,867,448

## New Hampshire

## NASA

Table 712: Detailed NASA Impacts by Types of Impact, New Hampshire

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	703	63,718,823	91,649,671	162,026,354
Oilseed farming	<1	-197	-167	442
Grain farming	<1	-2,445	814	21,491
Vegetable and melon farming	<1	-161	1,774	6,837
Fruit farming	<1	-633	2,968	10,238
Tree nut farming	<1	-2	7	25
Greenhouse, nursery, and floriculture production	<1	1,536	3,408	7,655
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	781	1,824	6,075
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-2,082	1,676	10,538
Dairy cattle and milk production	<1	-931	1,860	16,343
Poultry and egg production	<1	1,587	8,616	50,999
Animal production, except cattle and poultry and eggs	2	-18,936	27,077	77,207
Forestry, forest products, and timber tract production	<1	1,316	1,486	1,960
Commercial logging	<1	7,816	8,381	13,031
Commercial fishing	<1	97	10,494	12,697
Commercial hunting and trapping	<1	2,731	2,167	2,559
Support activities for agriculture and forestry	1	32,902	35,138	41,447
Oil and gas extraction	<1	-622	-736	86,439
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3,231	16,117	24,928
Sand and gravel mining	<1	5,400	12,085	22,537

## Appendix

Other clay, ceramic, refractory minerals mining	<1	444	1,077	2,082
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	35	40	144
Metal mining services	<1	-3	-4	552
Other nonmetallic minerals services	<1	9	13	202
Electric power generation - Hydroelectric	<1	23,752	66,213	116,269
Electric power generation - Fossil fuel	<1	10,918	49,497	104,621
Electric power generation - Nuclear	<1	69,341	164,362	305,245
Electric power generation - Solar	<1	1,653	4,318	7,003
Electric power generation - Wind	<1	1,102	11,046	17,937
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	8,022	30,097	76,327
Electric power generation - All other	<1	2,689	725	2,123
Electric power transmission and distribution	<1	153,168	643,957	1,286,634
Natural gas distribution	<1	47,151	202,834	374,139
Water, sewage and other systems	<1	5,992	14,505	24,456
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	217,636	246,476	638,405
Maintenance and repair construction of residential structures	1	89,053	104,853	249,344
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	61	71	182
Dog and cat food manufacturing	<1	514	1,544	7,338
Other animal food manufacturing	<1	3,088	5,856	47,626
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	554	3,999	35,016
Fats and oils refining and blending	<1	236	705	6,647
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	313	987	5,169
Nonchocolate confectionery manufacturing	<1	95	144	755
Chocolate and confectionery manufacturing from cacao beans	<1	5,262	8,457	32,774
Confectionery manufacturing from purchased chocolate	<1	636	989	4,005
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	66	95	494
Canned fruits and vegetables manufacturing	<1	228	485	2,646
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	12	23	107
Cheese manufacturing	<1	722	1,076	8,708
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	9,992	17,281	80,193
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,247	1,884	6,594

## Appendix

Frozen cakes and other pastries manufacturing	<1	4,689	6,197	12,173
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	1,360	1,796	16,941
Meat processed from carcasses	<1	2,589	2,854	18,878
Rendering and meat byproduct processing	<1	158	215	974
Seafood product preparation and packaging	<1	1,211	1,789	10,688
Bread and bakery product, except frozen, manufacturing	<1	7,373	9,883	29,967
Cookie and cracker manufacturing	<1	191	290	1,033
Dry pasta, mixes, and dough manufacturing	<1	1,685	4,364	17,888
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	697	856	4,663
Other snack food manufacturing	<1	775	1,338	7,306
Coffee and tea manufacturing	<1	207	423	3,252
Flavoring syrup and concentrate manufacturing	<1	328	2,900	6,364
Mayonnaise, dressing, and sauce manufacturing	<1	83	172	841
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	1,497	2,247	8,992
Bottled and canned soft drinks & water	<1	6,078	11,685	48,881
Manufactured ice	<1	584	427	1,824
Breweries	<1	10,653	23,022	59,647
Wineries	<1	1,714	3,439	15,899
Distilleries	<1	363	1,945	4,885
Tobacco product manufacturing	<1	1,038	35,141	56,840
Fiber, yarn, and thread mills	<1	80	88	540
Broadwoven fabric mills	<1	3,582	3,301	10,991
Narrow fabric mills and schiffli machine embroidery	<1	162	166	514
Nonwoven fabric mills	<1	5,752	4,079	27,390
Knit fabric mills	<1	68	65	243
Textile and fabric finishing mills	<1	237	233	1,240
Fabric coating mills	<1	8,373	8,274	36,309
Carpet and rug mills	<1	1,065	1,052	5,933
Curtain and linen mills	<1	29	28	114
Textile bag and canvas mills	<1	536	506	1,705
Rope, cordage, twine, tire cord and tire fabric mills	<1	221	216	861

## Appendix

Other textile product mills	<1	558	552	1,870
Hosiery and sock mills	<1	24	29	63
Other apparel knitting mills	<1	39	46	107
Cut and sew apparel contractors	<1	290	317	667
Men's and boys' cut and sew apparel manufacturing	<1	256	274	729
Women's and girls' cut and sew apparel manufacturing	<1	328	357	1,543
Other cut and sew apparel manufacturing	<1	140	153	483
Apparel accessories and other apparel manufacturing	<1	221	234	652
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	101	109	351
Other leather and allied product manufacturing	<1	205	213	506
Sawmills	<1	8,141	14,051	54,762
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	<1	1,731	2,702	8,512
Engineered wood member and truss manufacturing	<1	352	559	1,680
Reconstituted wood product manufacturing	<1	200	571	2,218
Wood windows and door manufacturing	<1	6,568	8,691	26,373
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	5,707	8,864	23,563
Wood container and pallet manufacturing	<1	1,833	2,461	7,780
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	1,471	2,422	6,517
All other miscellaneous wood product manufacturing	<1	2,705	3,676	12,873
Pulp mills	0	0	0	0
Paper mills	<1	16,673	18,653	89,484
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	3,684	4,230	23,062
Paper bag and coated and treated paper manufacturing	<1	419	440	1,224
Stationery product manufacturing	<1	146	162	789

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	1,294	1,452	5,685
Printing	1	97,895	117,467	250,384
Support activities for printing	<1	2,651	3,139	4,958
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	1,793	2,677	11,113
Asphalt shingle and coating materials manufacturing	<1	1,323	4,381	11,660
Petroleum lubricating oil and grease manufacturing	<1	8,801	21,419	61,603
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	142	214	888
Other basic inorganic chemical manufacturing	<1	165	268	1,101
Other basic organic chemical manufacturing	<1	237	470	4,405
Plastics material and resin manufacturing	<1	2,734	4,258	30,072
Synthetic rubber manufacturing	<1	1	1	12
Artificial and synthetic fibers and filaments manufacturing	<1	34	51	342
Nitrogenous fertilizer manufacturing	<1	119	250	700
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	28	41	119
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	123	140	430
Pharmaceutical preparation manufacturing	<1	2,190	3,917	12,693
In-vitro diagnostic substance manufacturing	<1	141	159	409
Biological product (except diagnostic) manufacturing	<1	6,182	10,804	28,483
Paint and coating manufacturing	<1	325	466	1,811
Adhesive manufacturing	<1	1,958	2,479	11,307
Soap and other detergent manufacturing	<1	614	1,126	6,304
Polish and other sanitation good manufacturing	0	0	0	0

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	556	1,009	3,956
Printing ink manufacturing	<1	101	114	535
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	241	362	1,476
Photographic film and chemical manufacturing	<1	3,236	5,134	20,524
Other miscellaneous chemical product manufacturing	<1	316	438	2,854
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,306	1,391	7,422
Unlaminated plastics profile shape manufacturing	<1	11,829	12,302	66,448
Plastics pipe and pipe fitting manufacturing	<1	8,980	9,823	86,749
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3,067	3,165	14,253
Polystyrene foam product manufacturing	<1	292	318	1,934
Urethane and other foam product (except polystyrene) manufacturing	<1	3,345	3,513	20,444
Plastics bottle manufacturing	<1	556	590	3,483
Other plastics product manufacturing	<1	26,958	28,288	113,496
Tire manufacturing	<1	12,748	14,217	62,575
Rubber and plastics hoses and belting manufacturing	<1	516	560	2,667
Other rubber product manufacturing	<1	12,329	12,907	49,900
Pottery, ceramics, and plumbing fixture manufacturing	<1	386	504	1,312
Brick, tile, and other structural clay product manufacturing	<1	2,057	2,640	6,084
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	1,201	1,566	3,751
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	9,169	12,306	32,616
Cement manufacturing	<1	1,509	2,356	8,283
Ready-mix concrete manufacturing	<1	6,581	8,412	29,512
Concrete block and brick manufacturing	<1	2,864	3,821	11,267
Concrete pipe manufacturing	0	0	0	0



## Appendix

Other concrete product manufacturing	<1	5,977	7,123	17,677
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,988	5,229	15,700
Abrasive product manufacturing	<1	1,002	1,463	2,922
Cut stone and stone product manufacturing	<1	3,937	4,417	9,247
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	1,458	2,202	5,967
Iron and steel mills and ferroalloy manufacturing	<1	2,807	5,560	40,492
Iron, steel pipe and tube manufacturing from purchased steel	<1	77	123	840
Rolled steel shape manufacturing	<1	137	285	1,940
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	360	445	2,554
Nonferrous metal (exc aluminum) smelting and refining	<1	313	1,013	5,160
Copper rolling, drawing, extruding and alloying	<1	2,652	4,100	44,259
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	66	98	611
Ferrous metal foundries	<1	1,801	2,141	5,817
Nonferrous metal foundries	<1	2,824	3,191	8,469
Custom roll forming	<1	428	552	3,005
Crown and closure manufacturing and metal stamping	<1	4,096	4,878	15,065
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	100	159	686
Handtool manufacturing	<1	49	68	220
Prefabricated metal buildings and components manufacturing	<1	546	710	2,645

## Appendix

Fabricated structural metal manufacturing	<1	3,492	4,569	16,424
Plate work manufacturing	<1	1,009	1,128	3,438
Metal window and door manufacturing	<1	1,618	1,999	5,774
Sheet metal work manufacturing	<1	8,423	10,245	31,667
Ornamental and architectural metal work manufacturing	<1	1,491	1,692	4,469
Power boiler and heat exchanger manufacturing	<1	122	149	419
Metal tank (heavy gauge) manufacturing	<1	40	46	137
Metal cans manufacturing	<1	278	423	2,386
Metal barrels, drums and pails manufacturing	<1	62	76	316
Hardware manufacturing	<1	768	1,006	3,682
Spring and wire product manufacturing	<1	1,667	2,007	6,837
Machine shops	<1	24,435	27,234	58,616
Turned product and screw, nut, and bolt manufacturing	<1	3,457	4,092	12,512
Metal heat treating	<1	844	1,012	2,935
Metal coating and nonprecious engraving	<1	750	1,062	3,633
Electroplating, anodizing, and coloring metal	<1	1,129	1,217	2,830
Valve and fittings, other than plumbing, manufacturing	<1	3,778	4,953	19,482
Plumbing fixture fitting and trim manufacturing	<1	743	1,347	7,148
Ball and roller bearing manufacturing	<1	5,231	7,038	22,355
Small arms ammunition manufacturing	<1	1,157	2,079	5,904
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	16,308	25,427	66,096
Fabricated pipe and pipe fitting manufacturing	<1	377	440	1,329
Other fabricated metal manufacturing	<1	1,711	2,044	5,814
Farm machinery and equipment manufacturing	<1	26	50	251
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	113	266	944
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	853	1,087	4,255
Food product machinery manufacturing	<1	10	12	32
Sawmill, woodworking, and paper machinery	<1	171	197	537
Printing machinery and equipment manufacturing	<1	39	44	130
All other industrial machinery manufacturing	<1	211	266	684
Optical instrument and lens manufacturing	<1	41,967	61,590	157,637
Photographic and photocopying equipment manufacturing	<1	85	103	322
Other commercial service industry machinery manufacturing	<1	1,357	2,125	6,651
Air purification and ventilation equipment manufacturing	<1	341	442	1,175
Heating equipment (except warm air furnaces) manufacturing	<1	493	760	2,265
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	748	1,246	3,921
Industrial mold manufacturing	<1	98	118	280
Special tool, die, jig, and fixture manufacturing	<1	210	271	544
Cutting tool and machine tool accessory manufacturing	<1	605	703	1,609
Machine tool manufacturing	<1	586	735	1,836
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	3	3	11
Speed changer, industrial high-speed drive, and gear manufacturing	<1	58	82	245
Mechanical power transmission equipment manufacturing	<1	230	323	890
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	8	13	41
Air and gas compressor manufacturing	<1	11	15	45
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	11	12	35
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	45	66	180
Packaging machinery manufacturing	<1	8	12	39
Industrial process furnace and oven manufacturing	<1	112	135	295
Fluid power cylinder and actuator manufacturing	<1	672	933	2,305
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	540	659	1,753
Electronic computer manufacturing	<1	43,184	49,697	155,479
Computer storage device manufacturing	<1	50	57	330
Computer terminals and other computer peripheral equipment manufacturing	<1	26,739	31,405	103,080
Telephone apparatus manufacturing	<1	22	26	104
Broadcast and wireless communications equipment manufacturing	<1	117,465	125,161	315,085
Other communications equipment manufacturing	<1	89	95	391
Audio and video equipment manufacturing	<1	64	75	579
Printed circuit assembly (electronic assembly) manufacturing	<1	4,302	4,573	25,166
Bare printed circuit board manufacturing	<1	931	989	2,787
Semiconductor and related device manufacturing	<1	12,434	15,257	40,707
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	731	756	2,912
Electronic connector manufacturing	<1	10,555	10,311	24,039
Other electronic component manufacturing	<1	16,626	18,048	54,551

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	54	55	191
Search, detection, and navigation instruments manufacturing	<1	69,983	76,013	220,355
Automatic environmental control manufacturing	<1	1,673	1,770	4,725
Industrial process variable instruments manufacturing	<1	152	155	529
Totalizing fluid meter and counting device manufacturing	<1	14	15	50
Electricity and signal testing instruments manufacturing	<1	1,347	1,424	4,063
Analytical laboratory instrument manufacturing	2	177,046	209,532	655,087
Irradiation apparatus manufacturing	<1	1	1	5
Watch, clock, and other measuring and controlling device manufacturing	<1	61	66	298
Blank magnetic and optical recording media manufacturing	<1	1,179	1,831	17,383
Software and other prerecorded and record reproducing	<1	498	573	1,983
Electric lamp bulb and part manufacturing	<1	1,240	2,295	5,176
Lighting fixture manufacturing	<1	1,940	2,794	8,696
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	13	20	50
Motor and generator manufacturing	<1	151	319	893
Switchgear and switchboard apparatus manufacturing	<1	50	102	251
Relay and industrial control manufacturing	<1	141	210	563
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	1,362	20,973	14,997
Fiber optic cable manufacturing	<1	2,920	4,797	16,138

## Appendix

Other communication and energy wire manufacturing	<1	2,271	4,696	15,741
Wiring device manufacturing	<1	4,431	10,560	25,192
Carbon and graphite product manufacturing	<1	339	573	1,598
All other miscellaneous electrical equipment and component manufacturing	<1	5,234	6,355	16,007
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	37	61	217
Truck trailer manufacturing	<1	2	3	13
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,034	1,468	6,937
Motor vehicle gasoline engine and engine parts manufacturing	<1	361	760	2,867
Motor vehicle electrical and electronic equipment manufacturing	<1	16,207	25,790	92,140
Motor vehicle transmission and power train parts manufacturing	<1	10,844	20,450	72,116
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	2,658	3,986	12,449
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	353	644	1,990
Other aircraft parts and auxiliary equipment manufacturing	<1	11	14	35
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	11	14	30
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	19	25	67
Boat building	<1	347	463	1,912
Motorcycle, bicycle, and parts manufacturing	<1	51	105	320

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	84	139	689
Wood kitchen cabinet and countertop manufacturing	<1	3,027	3,249	7,802
Upholstered household furniture manufacturing	<1	20	21	61
Nonupholstered wood household furniture manufacturing	<1	980	1,034	3,204
Other household nonupholstered furniture manufacturing	<1	6	8	30
Institutional furniture manufacturing	<1	54	56	179
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	267	100	506
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	127	138	537
Mattress manufacturing	<1	59	75	474
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	5,148	5,534	13,316
Surgical appliance and supplies manufacturing	<1	2,443	2,822	8,050
Dental equipment and supplies manufacturing	<1	3	3	7
Ophthalmic goods manufacturing	<1	40	43	128
Dental laboratories	<1	250	257	484
Jewelry and silverware manufacturing	<1	942	1,281	3,698
Sporting and athletic goods manufacturing	<1	284	308	1,007
Doll, toy, and game manufacturing	<1	57	63	564
Office supplies (except paper) manufacturing	<1	317	348	1,501
Sign manufacturing	<1	6,985	6,330	14,059
Gasket, packing, and sealing device manufacturing	<1	3,282	3,418	8,223
Musical instrument manufacturing	<1	44	46	151
Fasteners, buttons, needles, and pins manufacturing	<1	3,610	3,598	7,190

## Appendix

Broom, brush, and mop manufacturing	<1	5,105	4,744	13,130
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	3,131	3,539	9,851
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	45,837	89,812	223,837
Wholesale - Professional and commercial equipment and supplies	2	291,402	412,800	676,848
Wholesale - Household appliances and electrical and electronic goods	<1	116,590	242,368	490,949
Wholesale - Machinery, equipment, and supplies	1	135,365	226,199	415,670
Wholesale - Other durable goods merchant wholesalers	2	197,086	318,824	635,833
Wholesale - Drugs and druggistsâ€™ sundries	<1	128,335	275,959	545,606
Wholesale - Grocery and related product wholesalers	2	144,491	204,090	406,679
Wholesale - Petroleum and petroleum products	<1	22,396	187,406	249,626
Wholesale - Other nondurable goods merchant wholesalers	3	333,927	608,011	1,249,159
Wholesale - Wholesale electronic markets and agents and brokers	<1	181,815	201,878	226,773
Retail - Motor vehicle and parts dealers	2	225,565	255,873	362,321
Retail - Furniture and home furnishings stores	2	100,771	115,287	202,337
Retail - Electronics and appliance stores	1	143,246	99,743	154,087
Retail - Building material and garden equipment and supplies stores	2	133,970	198,007	293,775
Retail - Food and beverage stores	8	310,237	383,576	684,150
Retail - Health and personal care stores	3	162,751	188,641	285,707
Retail - Gasoline stores	2	92,386	144,705	308,935
Retail - Clothing and clothing accessories stores	3	149,507	181,367	366,695
Retail - Sporting goods, hobby, musical instrument and book stores	2	99,538	109,007	176,245
Retail - General merchandise stores	6	219,929	275,038	516,427
Retail - Miscellaneous store retailers	5	212,731	180,010	295,097
Retail - Nonstore retailers	5	214,919	869,469	1,286,719
Air transportation	<1	71,232	119,909	222,097



## Appendix

Rail transportation	<1	4,716	7,640	22,458
Water transportation	<1	936	30,438	47,946
Truck transportation	2	152,491	220,761	463,067
Transit and ground passenger transportation	4	129,473	170,164	223,719
Pipeline transportation	<1	29,090	63,121	62,879
Scenic and sightseeing transportation and support activities for transportation	3	236,308	189,659	303,941
Couriers and messengers	4	126,239	234,250	285,963
Warehousing and storage	2	82,487	142,041	242,031
Newspaper publishers	<1	31,021	45,262	72,888
Periodical publishers	<1	21,742	27,975	53,006
Book publishers	<1	22,092	46,045	92,664
Directory, mailing list, and other publishers	<1	36,130	70,174	117,687
Greeting card publishing	<1	537	1,403	2,678
Software publishers	4	845,196	1,397,773	1,781,924
Motion picture and video industries	<1	49,506	76,904	175,508
Sound recording industries	<1	7,043	40,565	64,069
Radio and television broadcasting	<1	125,861	151,445	360,961
Cable and other subscription programming	<1	31,732	107,379	297,558
Wired telecommunications carriers	1	166,042	329,782	615,675
Wireless telecommunications carriers (except satellite)	<1	17,187	125,755	276,260
Satellite, telecommunications resellers, and all other telecommunications	<1	17,984	19,547	42,821
Data processing, hosting, and related services	2	272,125	465,363	1,280,420
News syndicates, libraries, archives and all other information services	<1	15,117	20,317	58,319
Internet publishing and broadcasting and web search portals	<1	144,221	303,963	1,117,136
Nondepository credit intermediation and related activities	1	203,070	215,826	309,871
Securities and commodity contracts intermediation and brokerage	7	837,413	741,019	1,103,671
Monetary authorities and depository credit intermediation	6	592,884	1,750,495	2,667,349

## Appendix

Other financial investment activities	5	666,595	780,707	1,336,625
Direct life insurance carriers	<1	116,900	256,762	350,855
Insurance carriers, except direct life	3	407,955	1,426,096	2,491,601
Insurance agencies, brokerages, and related activities	3	364,469	620,708	1,236,831
Funds, trusts, and other financial vehicles	1	48,145	51,363	259,972
Other real estate	44	1,588,952	4,121,140	9,579,677
Tenant-occupied housing	2	68,431	786,149	834,122
Owner-occupied dwellings	0	0	4,290,876	5,178,377
Automotive equipment rental and leasing	<1	82,195	315,149	345,002
General and consumer goods rental except video tapes and discs	<1	49,315	88,431	126,819
Video tape and disc rental	<1	17,125	25,161	41,798
Commercial and industrial machinery and equipment rental and leasing	<1	58,515	181,180	219,256
Lessors of nonfinancial intangible assets	<1	7,267	144,127	151,805
Legal services	11	1,220,424	2,040,847	2,791,870
Accounting, tax preparation, bookkeeping, and payroll services	4	439,155	658,814	932,290
Architectural, engineering, and related services	6	635,971	746,225	1,242,448
Specialized design services	<1	31,548	69,782	110,087
Custom computer programming services	2	249,775	247,587	328,096
Computer systems design services	3	375,333	336,250	421,666
Other computer related services, including facilities management	<1	104,295	127,073	247,915
Management consulting services	18	2,261,665	2,370,763	3,488,449
Environmental and other technical consulting services	2	223,568	266,016	396,107
Scientific research and development services	256	28,187,708	34,480,101	65,465,408
Advertising, public relations, and related services	3	254,493	524,288	956,894
Photographic services	<1	11,582	40,017	65,141
Veterinary services	<1	55,698	67,978	98,319
Marketing research and all other miscellaneous professional, scientific, and technical services	4	446,753	997,268	1,689,087
Management of companies and enterprises	14	1,833,788	2,304,381	3,616,778

## Appendix

Office administrative services	5	512,928	247,092	504,480
Facilities support services	<1	6,097	8,501	18,015
Employment services	21	1,682,107	2,381,483	3,365,349
Business support services	3	222,202	196,413	310,987
Travel arrangement and reservation services	<1	59,866	99,278	277,099
Investigation and security services	2	117,949	119,547	157,132
Services to buildings	5	204,804	294,457	583,684
Landscape and horticultural services	3	176,418	217,667	382,094
Other support services	<1	52,817	68,512	134,459
Waste management and remediation services	1	126,261	161,029	326,644
Elementary and secondary schools	4	222,136	181,290	213,524
Junior colleges, colleges, universities, and professional schools	12	761,572	966,044	1,239,683
Other educational services	2	142,655	160,375	278,327
Offices of physicians	7	1,021,739	1,030,865	1,395,346
Offices of dentists	3	275,646	331,878	424,342
Offices of other health practitioners	3	170,182	260,823	326,858
Outpatient care centers	3	236,166	234,319	381,621
Medical and diagnostic laboratories	<1	25,028	41,014	53,764
Home health care services	3	190,312	190,042	234,123
Other ambulatory health care services	<1	47,216	56,182	84,124
Hospitals	16	1,479,763	1,778,657	3,291,239
Nursing and community care facilities	4	254,729	286,569	432,575
Residential mental retardation, mental health, substance abuse and other facilities	2	117,051	124,822	173,873
Individual and family services	7	282,304	237,629	318,676
Child day care services	4	141,620	182,213	244,346
Community food, housing, and other relief services, including rehabilitation services	1	64,939	60,773	125,130
Performing arts companies	1	46,537	75,213	142,515
Commercial Sports Except Racing	<1	40,170	46,527	64,520
Racing and Track Operation	<1	13,409	20,629	34,077
Independent artists, writers, and performers	2	60,731	133,473	212,212

## Appendix

Promoters of performing arts and sports and agents for public figures	2	55,643	113,851	260,435
Museums, historical sites, zoos, and parks	<1	11,036	13,903	27,092
Amusement parks and arcades	<1	15,272	17,739	20,459
Gambling industries (except casino hotels)	1	49,026	160,466	211,453
Other amusement and recreation industries	2	139,608	116,726	149,515
Fitness and recreational sports centers	1	58,419	64,663	90,793
Bowling centers	<1	7,858	12,730	17,148
Hotels and motels, including casino hotels	<1	14,846	49,557	63,568
Other accommodations	<1	6,960	9,404	12,106
Full-service restaurants	15	723,025	830,568	1,499,136
Limited-service restaurants	10	382,030	459,473	1,007,659
All other food and drinking places	9	386,379	559,776	834,496
Automotive repair and maintenance, except car washes	5	479,384	466,282	632,986
Car washes	3	226,162	269,153	384,740
Electronic and precision equipment repair and maintenance	1	163,112	194,677	276,418
Commercial and industrial machinery and equipment repair and maintenance	1	167,595	169,962	230,761
Personal and household goods repair and maintenance	<1	54,765	89,364	120,792
Personal care services	4	139,282	87,900	104,097
Death care services	<1	21,792	15,417	20,044
Dry-cleaning and laundry services	2	80,191	52,158	63,268
Other personal services	2	90,723	111,116	151,638
Religious organizations	1	55,512	28,073	96,846
Grantmaking, giving, and social advocacy organizations	1	84,064	248,466	375,891
Business and professional associations	<1	92,773	145,193	234,295
Labor and civic organizations	2	61,598	174,576	321,696
Private households	2	38,813	38,813	38,813
Postal service	2	159,833	161,070	161,130
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	5,311	16,803	27,963
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	4	302,067	402,598	983,755
Local government passenger transit	<1	9,180	1,632	4,151
Local government electric utilities	<1	957	2,788	5,394
Other local government enterprises	<1	55,573	116,661	250,596
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	1,311,339	1,878,424	2,984,773

## Moon to Mars Campaign

**Table 713: Detailed M2M Campaign Impacts by Types of Impact, New Hampshire**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	52	4,995,594	7,209,267	12,553,032
Oilseed farming	<1	-18	-16	46
Grain farming	<1	-160	74	1,430
Vegetable and melon farming	<1	-12	141	521
Fruit farming	<1	-53	252	852
Tree nut farming	<1	0	<1	2
Greenhouse, nursery, and floriculture production	<1	106	250	540
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	49	120	389
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-113	106	617
Dairy cattle and milk production	<1	-73	160	1,272
Poultry and egg production	<1	105	605	3,347
Animal production, except cattle and poultry and eggs	<1	-1,119	1,873	5,141
Forestry, forest products, and timber tract production	<1	104	118	153
Commercial logging	<1	548	622	927
Commercial fishing	<1	10	819	983
Commercial hunting and trapping	<1	300	155	180
Support activities for agriculture and forestry	<1	2,137	2,315	2,731
Oil and gas extraction	<1	-31	-44	5,615
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	208	1,019	1,575
Sand and gravel mining	<1	412	923	1,678
Other clay, ceramic, refractory minerals mining	<1	32	77	148
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	1	2	6
Metal mining services	<1	0	0	49
Other nonmetallic minerals services	<1	<1	<1	13
Electric power generation - Hydroelectric	<1	2,307	6,261	10,811

## Appendix

Electric power generation - Fossil fuel	<1	988	4,104	8,690
Electric power generation - Nuclear	<1	6,509	15,371	28,377
Electric power generation - Solar	<1	139	363	591
Electric power generation - Wind	<1	68	684	1,104
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	701	2,631	6,833
Electric power generation - All other	<1	246	44	155
Electric power transmission and distribution	<1	11,484	46,167	92,086
Natural gas distribution	<1	3,893	16,333	29,545
Water, sewage and other systems	<1	482	1,129	1,867
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	15,579	18,071	45,597
Maintenance and repair construction of residential structures	<1	6,623	7,941	18,548
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	5	13
Dog and cat food manufacturing	<1	34	103	486
Other animal food manufacturing	<1	215	422	3,350
Flour milling	0	0	0	0

Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	44	324	2,776
Fats and oils refining and blending	<1	20	61	574
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	29	98	483
Nonchocolate confectionery manufacturing	<1	7	11	57
Chocolate and confectionery manufacturing from cacao beans	<1	508	821	3,124
Confectionery manufacturing from purchased chocolate	<1	51	80	315
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	5	7	37
Canned fruits and vegetables manufacturing	<1	20	43	234
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	2	9
Cheese manufacturing	<1	58	87	734
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	814	1,439	6,613
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	96	146	503
Frozen cakes and other pastries manufacturing	<1	368	486	951
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	89	119	1,125
Meat processed from carcasses	<1	201	223	1,471
Rendering and meat byproduct processing	<1	13	17	79
Seafood product preparation and packaging	<1	88	134	772
Bread and bakery product, except frozen, manufacturing	<1	568	766	2,318
Cookie and cracker manufacturing	<1	17	26	88
Dry pasta, mixes, and dough manufacturing	<1	123	318	1,356
Tortilla manufacturing	0	0	0	0



## Appendix

Roasted nuts and peanut butter manufacturing	<1	56	72	376
Other snack food manufacturing	<1	58	101	547
Coffee and tea manufacturing	<1	15	32	245
Flavoring syrup and concentrate manufacturing	<1	28	255	545
Mayonnaise, dressing, and sauce manufacturing	<1	7	14	68
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	118	177	717
Bottled and canned soft drinks & water	<1	422	822	3,445
Manufactured ice	<1	44	32	132
Breweries	<1	776	1,731	4,472
Wineries	<1	157	320	1,436
Distilleries	<1	27	152	370
Tobacco product manufacturing	<1	80	3,207	4,829
Fiber, yarn, and thread mills	<1	6	6	38
Broadwoven fabric mills	<1	246	235	749
Narrow fabric mills and schiffli machine embroidery	<1	11	11	35
Nonwoven fabric mills	<1	550	419	2,601
Knit fabric mills	<1	6	6	26
Textile and fabric finishing mills	<1	23	23	121
Fabric coating mills	<1	846	846	3,539
Carpet and rug mills	<1	76	78	409
Curtain and linen mills	<1	2	2	10
Textile bag and canvas mills	<1	41	40	131
Rope, cordage, twine, tire cord and tire fabric mills	<1	13	14	51
Other textile product mills	<1	45	45	148
Hosiery and sock mills	<1	2	2	5
Other apparel knitting mills	<1	3	3	8
Cut and sew apparel contractors	<1	25	27	56
Men's and boys' cut and sew apparel manufacturing	<1	23	25	65
Women's and girls' cut and sew apparel manufacturing	<1	30	34	138
Other cut and sew apparel manufacturing	<1	13	15	44
Apparel accessories and other apparel manufacturing	<1	20	21	56
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	9	9	29
Other leather and allied product manufacturing	<1	17	18	42

## Appendix

Sawmills	<1	553	947	3,688
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	<1	124	191	613
Engineered wood member and truss manufacturing	<1	33	51	153
Reconstituted wood product manufacturing	<1	15	41	161
Wood windows and door manufacturing	<1	436	571	1,725
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	417	636	1,686
Wood container and pallet manufacturing	<1	138	184	581
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	96	157	418
All other miscellaneous wood product manufacturing	<1	233	303	1,031
Pulp mills	0	0	0	0
Paper mills	<1	1,029	1,046	5,452
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	307	357	1,989
Paper bag and coated and treated paper manufacturing	<1	33	34	95
Stationery product manufacturing	<1	12	13	63
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	105	115	463
Printing	<1	6,660	8,283	16,667
Support activities for printing	<1	207	247	384
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	125	192	767
Asphalt shingle and coating materials manufacturing	<1	102	372	917
Petroleum lubricating oil and grease manufacturing	<1	769	1,913	5,314
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

## Appendix

Synthetic dye and pigment manufacturing	<1	10	17	68
Other basic inorganic chemical manufacturing	<1	11	20	79
Other basic organic chemical manufacturing	<1	16	33	304
Plastics material and resin manufacturing	<1	170	280	1,928
Synthetic rubber manufacturing	<1	0	0	1
Artificial and synthetic fibers and filaments manufacturing	<1	1	5	24
Nitrogenous fertilizer manufacturing	<1	11	25	60
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	3	9
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	12	14	41
Pharmaceutical preparation manufacturing	<1	194	364	1,145
In-vitro diagnostic substance manufacturing	<1	16	17	46
Biological product (except diagnostic) manufacturing	<1	704	1,207	3,049
Paint and coating manufacturing	<1	27	41	156
Adhesive manufacturing	<1	198	261	1,148
Soap and other detergent manufacturing	<1	51	102	515
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	48	92	349
Printing ink manufacturing	<1	8	9	42
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	25	42	159
Photographic film and chemical manufacturing	<1	231	391	1,422
Other miscellaneous chemical product manufacturing	<1	26	38	241
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	120	129	676
Unlaminated plastics profile shape manufacturing	<1	748	797	4,120
Plastics pipe and pipe fitting manufacturing	<1	15	16	141

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	194	203	919
Polystyrene foam product manufacturing	<1	22	25	149
Urethane and other foam product (except polystyrene) manufacturing	<1	275	294	1,677
Plastics bottle manufacturing	<1	50	53	309
Other plastics product manufacturing	<1	2,112	2,270	8,843
Tire manufacturing	<1	845	975	4,190
Rubber and plastics hoses and belting manufacturing	<1	28	31	153
Other rubber product manufacturing	<1	885	930	3,704
Pottery, ceramics, and plumbing fixture manufacturing	<1	30	39	100
Brick, tile, and other structural clay product manufacturing	<1	133	165	385
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	95	125	293
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	622	813	2,184
Cement manufacturing	<1	129	193	697
Ready-mix concrete manufacturing	<1	511	633	2,248
Concrete block and brick manufacturing	<1	219	283	856
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	417	485	1,233
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	223	378	1,153
Abrasive product manufacturing	<1	101	142	288
Cut stone and stone product manufacturing	<1	260	288	605
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	121	172	465
Iron and steel mills and ferroalloy manufacturing	<1	106	199	1,583
Iron, steel pipe and tube manufacturing from purchased steel	<1	6	10	65

## Appendix

Rolled steel shape manufacturing	<1	10	21	145
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	42	52	301
Nonferrous metal (exc aluminum) smelting and refining	<1	17	52	272
Copper rolling, drawing, extruding and alloying	<1	283	450	4,699
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	4	5	34
Ferrous metal foundries	<1	196	247	669
Nonferrous metal foundries	<1	248	282	745
Custom roll forming	<1	48	62	341
Crown and closure manufacturing and metal stamping	<1	443	527	1,614
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	9	14	58
Handtool manufacturing	<1	4	7	21
Prefabricated metal buildings and components manufacturing	<1	47	59	225
Fabricated structural metal manufacturing	<1	266	345	1,247
Plate work manufacturing	<1	91	102	307
Metal window and door manufacturing	<1	170	210	597
Sheet metal work manufacturing	<1	954	1,145	3,493
Ornamental and architectural metal work manufacturing	<1	128	143	376
Power boiler and heat exchanger manufacturing	<1	10	12	35
Metal tank (heavy gauge) manufacturing	<1	6	6	18
Metal cans manufacturing	<1	25	37	204
Metal barrels, drums and pails manufacturing	<1	7	9	36
Hardware manufacturing	<1	60	77	282
Spring and wire product manufacturing	<1	129	155	528

## Appendix

Machine shops	<1	2,626	2,917	6,248
Turned product and screw, nut, and bolt manufacturing	<1	518	612	1,872
Metal heat treating	<1	93	111	323
Metal coating and nonprecious engraving	<1	83	117	399
Electroplating, anodizing, and coloring metal	<1	132	143	332
Valve and fittings, other than plumbing, manufacturing	<1	318	417	1,650
Plumbing fixture fitting and trim manufacturing	<1	64	112	620
Ball and roller bearing manufacturing	<1	542	728	2,300
Small arms ammunition manufacturing	<1	91	163	452
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,285	1,999	5,054
Fabricated pipe and pipe fitting manufacturing	<1	27	31	94
Other fabricated metal manufacturing	<1	159	189	530
Farm machinery and equipment manufacturing	<1	2	3	16
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	7	19	62
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	7	8	36
Food product machinery manufacturing	<1	<1	<1	3
Sawmill, woodworking, and paper machinery	<1	12	14	38
Printing machinery and equipment manufacturing	<1	3	3	10
All other industrial machinery manufacturing	<1	21	26	67
Optical instrument and lens manufacturing	<1	27	38	99
Photographic and photocopying equipment manufacturing	<1	7	9	27
Other commercial service industry machinery manufacturing	<1	146	233	706

## Appendix

Air purification and ventilation equipment manufacturing	<1	26	35	91
Heating equipment (except warm air furnaces) manufacturing	<1	43	68	192
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	63	105	324
Industrial mold manufacturing	<1	8	10	24
Special tool, die, jig, and fixture manufacturing	<1	19	25	50
Cutting tool and machine tool accessory manufacturing	<1	63	74	168
Machine tool manufacturing	<1	62	79	197
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4	6	18
Mechanical power transmission equipment manufacturing	<1	17	24	66
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	1	4
Air and gas compressor manufacturing	<1	1	2	5
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	3
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	4	6	16
Packaging machinery manufacturing	<1	<1	1	4
Industrial process furnace and oven manufacturing	<1	10	12	27
Fluid power cylinder and actuator manufacturing	<1	54	76	185
Fluid power pump and motor manufacturing	0	0	0	0

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	55	67	177
Electronic computer manufacturing	<1	31	35	118
Computer storage device manufacturing	<1	4	4	24
Computer terminals and other computer peripheral equipment manufacturing	<1	148	169	662
Telephone apparatus manufacturing	<1	2	2	8
Broadcast and wireless communications equipment manufacturing	<1	86,896	100,316	262,541
Other communications equipment manufacturing	<1	8	9	36
Audio and video equipment manufacturing	<1	6	8	56
Printed circuit assembly (electronic assembly) manufacturing	<1	725	763	4,241
Bare printed circuit board manufacturing	<1	109	118	340
Semiconductor and related device manufacturing	<1	148	155	576
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	97	102	384
Electronic connector manufacturing	<1	969	949	2,222
Other electronic component manufacturing	<1	1,094	1,135	3,468
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	5	17
Search, detection, and navigation instruments manufacturing	<1	74	67	212
Automatic environmental control manufacturing	<1	178	189	499
Industrial process variable instruments manufacturing	<1	12	12	42
Totalizing fluid meter and counting device manufacturing	<1	<1	1	4
Electricity and signal testing instruments manufacturing	<1	321	344	942
Analytical laboratory instrument manufacturing	<1	36,716	43,978	135,157
Irradiation apparatus manufacturing	<1	0	0	<1



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	5	6	25
Blank magnetic and optical recording media manufacturing	<1	138	204	1,901
Software and other prerecorded and record reproducing	<1	51	58	195
Electric lamp bulb and part manufacturing	<1	115	214	476
Lighting fixture manufacturing	<1	195	285	851
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	2	2	5
Motor and generator manufacturing	<1	13	29	81
Switchgear and switchboard apparatus manufacturing	<1	5	10	24
Relay and industrial control manufacturing	<1	17	25	66
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	122	2,056	1,335
Fiber optic cable manufacturing	<1	336	546	1,793
Other communication and energy wire manufacturing	<1	234	500	1,614
Wiring device manufacturing	<1	400	981	2,303
Carbon and graphite product manufacturing	<1	21	35	100
All other miscellaneous electrical equipment and component manufacturing	<1	6	7	18
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	3	4	16
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	64	91	430

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	26	54	204
Motor vehicle electrical and electronic equipment manufacturing	<1	1,199	1,928	6,575
Motor vehicle transmission and power train parts manufacturing	<1	944	1,751	5,964
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	132	203	622
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	26	47	145
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	3
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	1	2
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	2	2	6
Boat building	<1	22	29	123
Motorcycle, bicycle, and parts manufacturing	<1	3	6	19
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	5	8	39
Wood kitchen cabinet and countertop manufacturing	<1	233	243	583
Upholstered household furniture manufacturing	<1	2	2	5
Nonupholstered wood household furniture manufacturing	<1	78	82	250
Other household nonupholstered furniture manufacturing	<1	<1	<1	2
Institutional furniture manufacturing	<1	6	6	19
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	<1	23	9	43
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	10	11	41
Mattress manufacturing	<1	4	6	36
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	407	433	1,028
Surgical appliance and supplies manufacturing	<1	207	238	666
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	3	3	10
Dental laboratories	<1	21	22	41
Jewelry and silverware manufacturing	<1	72	98	282
Sporting and athletic goods manufacturing	<1	21	23	72
Doll, toy, and game manufacturing	<1	4	5	44
Office supplies (except paper) manufacturing	<1	29	32	133
Sign manufacturing	<1	511	466	1,020
Gasket, packing, and sealing device manufacturing	<1	231	239	570
Musical instrument manufacturing	<1	4	5	16
Fasteners, buttons, needles, and pins manufacturing	<1	313	318	647
Broom, brush, and mop manufacturing	<1	566	572	1,471
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	232	259	717
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,639	7,195	17,954
Wholesale - Professional and commercial equipment and supplies	<1	24,525	34,958	56,953
Wholesale - Household appliances and electrical and electronic goods	<1	23,350	48,660	98,338
Wholesale - Machinery, equipment, and supplies	<1	20,696	35,584	65,560
Wholesale - Other durable goods merchant wholesalers	<1	15,367	24,944	49,738

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	9,955	21,451	41,881
Wholesale - Grocery and related product wholesalers	<1	10,721	15,125	30,123
Wholesale - Petroleum and petroleum products	<1	1,547	14,829	19,346
Wholesale - Other nondurable goods merchant wholesalers	<1	19,500	36,784	73,959
Wholesale - Wholesale electronic markets and agents and brokers	<1	14,932	16,528	18,540
Retail - Motor vehicle and parts dealers	<1	16,579	18,832	26,554
Retail - Furniture and home furnishings stores	<1	7,481	8,575	14,975
Retail - Electronics and appliance stores	<1	10,716	7,495	11,387
Retail - Building material and garden equipment and supplies stores	<1	9,989	14,765	21,802
Retail - Food and beverage stores	<1	23,836	29,472	52,363
Retail - Health and personal care stores	<1	12,166	14,139	21,253
Retail - Gasoline stores	<1	6,948	10,658	22,358
Retail - Clothing and clothing accessories stores	<1	11,337	13,674	27,263
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,429	8,125	13,026
Retail - General merchandise stores	<1	16,097	20,178	37,613
Retail - Miscellaneous store retailers	<1	15,709	13,334	21,616
Retail - Nonstore retailers	<1	15,729	65,124	96,225
Air transportation	<1	5,583	9,423	17,344
Rail transportation	<1	386	579	1,768
Water transportation	<1	79	2,631	3,917
Truck transportation	<1	12,328	17,786	37,059
Transit and ground passenger transportation	<1	12,169	15,927	20,190
Pipeline transportation	<1	1,683	3,928	4,010
Scenic and sightseeing transportation and support activities for transportation	<1	18,793	14,915	23,873
Couriers and messengers	<1	11,202	20,637	25,125
Warehousing and storage	<1	7,495	12,964	21,985
Newspaper publishers	<1	2,634	4,151	6,376
Periodical publishers	<1	2,106	3,049	5,293
Book publishers	<1	1,822	4,225	8,034

## Appendix

Directory, mailing list, and other publishers	<1	2,616	5,368	8,968
Greeting card publishing	<1	36	100	185
Software publishers	<1	109,858	196,671	243,021
Motion picture and video industries	<1	4,204	6,526	14,322
Sound recording industries	<1	602	3,486	5,311
Radio and television broadcasting	<1	10,595	12,848	28,641
Cable and other subscription programming	<1	2,846	10,024	26,387
Wired telecommunications carriers	<1	12,234	25,138	46,208
Wireless telecommunications carriers (except satellite)	<1	1,273	10,327	21,604
Satellite, telecommunications resellers, and all other telecommunications	<1	1,414	1,515	3,347
Data processing, hosting, and related services	<1	33,480	58,586	154,917
News syndicates, libraries, archives and all other information services	<1	1,230	1,658	4,671
Internet publishing and broadcasting and web search portals	<1	8,642	18,216	66,629
Nondepository credit intermediation and related activities	<1	16,023	17,069	24,037
Securities and commodity contracts intermediation and brokerage	<1	69,531	59,515	82,441
Monetary authorities and depository credit intermediation	<1	40,970	128,228	189,014
Other financial investment activities	<1	59,348	69,001	108,583
Direct life insurance carriers	<1	8,182	18,229	24,649
Insurance carriers, except direct life	<1	30,301	106,587	182,248
Insurance agencies, brokerages, and related activities	<1	26,495	44,976	89,006
Funds, trusts, and other financial vehicles	<1	4,030	4,526	20,134
Other real estate	3	122,039	309,234	695,230
Tenant-occupied housing	<1	5,108	61,559	64,954
Owner-occupied dwellings	0	0	323,609	390,542
Automotive equipment rental and leasing	<1	6,284	24,755	26,543

Appendix

General and consumer goods rental except video tapes and discs	<1	3,715	6,669	9,448
Video tape and disc rental	<1	1,237	1,833	3,050
Commercial and industrial machinery and equipment rental and leasing	<1	4,622	14,387	17,325
Lessors of nonfinancial intangible assets	<1	541	11,553	12,123
Legal services	<1	86,221	147,938	199,490
Accounting, tax preparation, bookkeeping, and payroll services	<1	34,525	52,582	73,068
Architectural, engineering, and related services	<1	43,899	51,866	85,637
Specialized design services	<1	2,494	5,608	8,615
Custom computer programming services	<1	27,919	27,579	36,547
Computer systems design services	<1	32,617	29,242	36,413
Other computer related services, including facilities management	<1	9,239	11,188	21,722
Management consulting services	1	142,022	149,178	215,353
Environmental and other technical consulting services	<1	17,647	21,153	31,048
Scientific research and development services	18	2,063,488	2,519,724	4,665,180
Advertising, public relations, and related services	<1	21,067	43,990	78,515
Photographic services	<1	814	2,947	4,626
Veterinary services	<1	4,152	5,106	7,291
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	34,625	78,778	131,276
Management of companies and enterprises	1	148,109	187,219	290,131
Office administrative services	<1	47,271	24,517	46,140
Facilities support services	<1	466	664	1,351
Employment services	1	130,176	188,041	255,024
Business support services	<1	15,957	14,328	21,920
Travel arrangement and reservation services	<1	4,707	7,910	21,098
Investigation and security services	<1	9,451	9,595	12,388
Services to buildings	<1	15,403	22,601	43,365
Landscape and horticultural services	<1	13,272	16,575	28,403
Other support services	<1	4,045	5,301	10,195
Waste management and remediation services	<1	9,025	11,490	23,173

## Appendix

Elementary and secondary schools	<1	19,505	15,886	18,531
Junior colleges, colleges, universities, and professional schools	1	79,471	100,560	128,443
Other educational services	<1	11,651	13,169	22,511
Offices of physicians	<1	76,439	77,284	104,410
Offices of dentists	<1	20,627	25,223	32,031
Offices of other health practitioners	<1	12,291	19,436	24,159
Outpatient care centers	<1	18,174	18,090	29,592
Medical and diagnostic laboratories	<1	1,921	3,253	4,195
Home health care services	<1	14,880	14,899	18,445
Other ambulatory health care services	<1	3,542	4,273	6,356
Hospitals	1	122,870	148,614	275,288
Nursing and community care facilities	<1	20,435	23,004	34,250
Residential mental retardation, mental health, substance abuse and other facilities	<1	10,210	10,894	14,990
Individual and family services	<1	22,911	19,460	25,896
Child day care services	<1	11,153	14,740	19,546
Community food, housing, and other relief services, including rehabilitation services	<1	5,627	5,283	10,686
Performing arts companies	<1	3,932	6,302	11,396
Commercial Sports Except Racing	<1	3,099	3,747	5,105
Racing and Track Operation	<1	1,140	1,704	2,711
Independent artists, writers, and performers	<1	5,182	11,091	17,299
Promoters of performing arts and sports and agents for public figures	<1	4,730	9,410	20,439
Museums, historical sites, zoos, and parks	<1	898	1,131	2,158
Amusement parks and arcades	<1	1,294	1,465	1,685
Gambling industries (except casino hotels)	<1	3,789	12,439	16,293
Other amusement and recreation industries	<1	10,620	8,855	11,216
Fitness and recreational sports centers	<1	4,755	5,213	7,194
Bowling centers	<1	588	956	1,273
Hotels and motels, including casino hotels	<1	1,263	4,128	5,285
Other accommodations	<1	638	858	1,097

## Appendix

Full-service restaurants	1	54,834	62,684	112,483
Limited-service restaurants	<1	29,097	34,755	75,187
All other food and drinking places	<1	29,942	42,890	63,100
Automotive repair and maintenance, except car washes	<1	37,372	35,489	48,106
Car washes	<1	17,045	20,216	28,807
Electronic and precision equipment repair and maintenance	<1	25,913	30,271	40,967
Commercial and industrial machinery and equipment repair and maintenance	<1	12,630	12,710	17,063
Personal and household goods repair and maintenance	<1	4,281	6,583	8,971
Personal care services	<1	10,518	6,100	7,342
Death care services	<1	1,797	1,177	1,549
Dry-cleaning and laundry services	<1	5,978	3,563	4,385
Other personal services	<1	6,864	8,189	11,210
Religious organizations	<1	4,797	2,173	7,970
Grantmaking, giving, and social advocacy organizations	<1	7,586	19,979	30,776
Business and professional associations	<1	7,411	10,614	17,223
Labor and civic organizations	<1	5,363	13,468	25,501
Private households	<1	3,096	3,096	3,096
Postal service	<1	13,121	13,225	13,230
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	453	1,549	2,437
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	14,699	18,293	44,088
Local government passenger transit	<1	763	81	282
Local government electric utilities	<1	66	178	345
Other local government enterprises	<1	4,038	7,217	16,595
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	99,247	150,952	276,239

## Investments in Climate Change Research and Technology

**Table 714: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>431</i>	<i>38,516,249</i>	<i>56,011,981</i>	<i>98,753,765</i>
Oilseed farming	<1	-81	-61	162
Grain farming	<1	-1,376	425	11,684
Vegetable and melon farming	<1	-109	1,199	4,570
Fruit farming	<1	-458	2,140	7,367
Tree nut farming	<1	-2	5	18
Greenhouse, nursery, and floriculture production	<1	1,066	2,348	5,203
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	586	1,362	4,491
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-2,104	1,532	9,179
Dairy cattle and milk production	<1	-632	1,242	11,164
Poultry and egg production	<1	1,221	6,198	39,407
Animal production, except cattle and poultry and eggs	1	-12,837	16,352	45,619
Forestry, forest products, and timber tract production	<1	834	950	1,294

Appendix

Commercial logging	<1	5,187	5,793	9,083
Commercial fishing	<1	49	6,716	8,126
Commercial hunting and trapping	<1	1,402	1,452	1,737
Support activities for agriculture and forestry	<1	25,365	27,121	31,433
Oil and gas extraction	<1	-461	-535	63,897
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,849	10,386	15,809
Sand and gravel mining	<1	3,404	7,972	14,800
Other clay, ceramic, refractory minerals mining	<1	321	806	1,545
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	3
Support activities for oil and gas operations	<1	22	25	88
Metal mining services	<1	-2	-3	394
Other nonmetallic minerals services	<1	8	11	157
Electric power generation - Hydroelectric	<1	13,114	36,142	62,041
Electric power generation - Fossil fuel	<1	6,095	29,579	62,630
Electric power generation - Nuclear	<1	44,080	108,644	206,349
Electric power generation - Solar	<1	948	2,542	4,150
Electric power generation - Wind	<1	837	9,116	15,063
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,871	14,435	36,150
Electric power generation - All other	<1	1,595	685	1,500
Electric power transmission and distribution	<1	88,753	389,216	783,296

Appendix

Natural gas distribution	<1	27,858	119,853	221,923
Water, sewage and other systems	<1	3,867	9,664	16,764
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	136,997	154,654	406,325
Maintenance and repair construction of residential structures	<1	54,025	63,572	153,250
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	37	43	112
Dog and cat food manufacturing	<1	358	1,045	5,196
Other animal food manufacturing	<1	2,329	4,329	35,684
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	369	2,600	24,083
Fats and oils refining and blending	<1	173	503	4,771
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	221	668	3,638
Nonchocolate confectionery manufacturing	<1	64	96	522

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	3,343	5,317	21,359
Confectionery manufacturing from purchased chocolate	<1	448	681	2,781
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	48	69	360
Canned fruits and vegetables manufacturing	<1	159	331	1,850
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	8	17	77
Cheese manufacturing	<1	464	688	5,616
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	6,343	10,717	50,372
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	808	1,204	4,330
Frozen cakes and other pastries manufacturing	<1	3,286	4,372	8,623
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	989	1,297	12,184
Meat processed from carcasses	<1	1,743	1,920	12,795
Rendering and meat byproduct processing	<1	126	169	756
Seafood product preparation and packaging	<1	811	1,200	7,418
Bread and bakery product, except frozen, manufacturing	<1	5,031	6,734	20,439
Cookie and cracker manufacturing	<1	114	168	655
Dry pasta, mixes, and dough manufacturing	<1	1,058	2,693	11,167
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	484	595	3,246
Other snack food manufacturing	<1	546	921	5,190
Coffee and tea manufacturing	<1	145	288	2,272
Flavoring syrup and concentrate manufacturing	<1	280	2,346	5,374
Mayonnaise, dressing, and sauce manufacturing	<1	62	130	625
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	1,019	1,514	6,144
Bottled and canned soft drinks & water	<1	4,326	8,203	34,448
Manufactured ice	<1	376	271	1,201

## Appendix

Breweries	<1	6,736	14,298	37,141
Wineries	<1	1,223	2,406	10,889
Distilleries	<1	271	1,356	3,415
Tobacco product manufacturing	<1	684	19,883	33,428
Fiber, yarn, and thread mills	<1	48	52	330
Broadwoven fabric mills	<1	2,539	2,301	7,844
Narrow fabric mills and schiffli machine embroidery	<1	122	125	379
Nonwoven fabric mills	<1	2,595	1,915	13,427
Knit fabric mills	<1	34	33	128
Textile and fabric finishing mills	<1	141	138	748
Fabric coating mills	<1	4,207	4,273	19,501
Carpet and rug mills	<1	758	741	4,343
Curtain and linen mills	<1	21	20	85
Textile bag and canvas mills	<1	412	387	1,319
Rope, cordage, twine, tire cord and tire fabric mills	<1	171	159	670
Other textile product mills	<1	401	393	1,368
Hosiery and sock mills	<1	18	22	48
Other apparel knitting mills	<1	29	35	83
Cut and sew apparel contractors	<1	239	260	553
Men's and boys' cut and sew apparel manufacturing	<1	176	189	509
Women's and girls' cut and sew apparel manufacturing	<1	235	256	1,118
Other cut and sew apparel manufacturing	<1	98	107	340
Apparel accessories and other apparel manufacturing	<1	161	170	492
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	83	89	314
Other leather and allied product manufacturing	<1	161	165	407
Sawmills	<1	5,932	10,471	39,913
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	<1	1,359	2,141	6,671
Engineered wood member and truss manufacturing	<1	237	384	1,140
Reconstituted wood product manufacturing	<1	165	478	1,826
Wood windows and door manufacturing	<1	4,402	5,908	18,128
Cut stock, resawing lumber, and planing	0	0	0	0

## Appendix

Other millwork, including flooring	<1	3,593	5,774	15,208
Wood container and pallet manufacturing	<1	1,182	1,632	5,170
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	900	1,550	4,111
All other miscellaneous wood product manufacturing	<1	1,514	2,194	7,766
Pulp mills	0	0	0	0
Paper mills	<1	9,061	11,785	52,879
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	2,252	2,702	14,630
Paper bag and coated and treated paper manufacturing	<1	257	286	819
Stationery product manufacturing	<1	88	100	510
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	779	931	3,603
Printing	<1	48,836	58,278	126,256
Support activities for printing	<1	1,409	1,650	2,683
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	1,142	1,671	7,277
Asphalt shingle and coating materials manufacturing	<1	844	2,692	7,339
Petroleum lubricating oil and grease manufacturing	<1	5,301	13,347	40,650
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	78	107	441
Other basic inorganic chemical manufacturing	<1	129	195	813
Other basic organic chemical manufacturing	<1	219	402	3,752
Plastics material and resin manufacturing	<1	2,120	2,994	21,452
Synthetic rubber manufacturing	<1	1	2	11
Artificial and synthetic fibers and filaments manufacturing	<1	17	22	155
Nitrogenous fertilizer manufacturing	<1	66	140	434

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	22	31	92
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	83	97	298
Pharmaceutical preparation manufacturing	<1	1,571	2,814	9,216
In-vitro diagnostic substance manufacturing	<1	89	103	260
Biological product (except diagnostic) manufacturing	<1	3,481	6,673	17,812
Paint and coating manufacturing	<1	234	323	1,259
Adhesive manufacturing	<1	1,088	1,373	6,305
Soap and other detergent manufacturing	<1	371	688	4,075
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	408	743	2,916
Printing ink manufacturing	<1	67	75	354
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	62	77	349
Photographic film and chemical manufacturing	<1	1,798	2,943	11,773
Other miscellaneous chemical product manufacturing	<1	228	312	1,978
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	706	753	4,133
Unlaminated plastics profile shape manufacturing	<1	7,065	7,476	40,639
Plastics pipe and pipe fitting manufacturing	<1	135	140	1,257
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,785	1,834	8,591
Polystyrene foam product manufacturing	<1	209	225	1,420
Urethane and other foam product (except polystyrene) manufacturing	<1	2,464	2,578	15,255
Plastics bottle manufacturing	<1	408	434	2,604
Other plastics product manufacturing	<1	17,537	18,188	74,898
Tire manufacturing	<1	7,280	7,927	36,251

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	359	387	1,921
Other rubber product manufacturing	<1	9,044	9,437	37,020
Pottery, ceramics, and plumbing fixture manufacturing	<1	232	301	780
Brick, tile, and other structural clay product manufacturing	<1	1,245	1,633	3,703
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	912	1,180	2,800
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	6,930	9,409	24,419
Cement manufacturing	<1	948	1,497	5,272
Ready-mix concrete manufacturing	<1	4,326	5,609	19,421
Concrete block and brick manufacturing	<1	1,686	2,303	6,577
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	4,162	5,068	12,325
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,049	3,639	10,964
Abrasive product manufacturing	<1	529	784	1,559
Cut stone and stone product manufacturing	<1	2,487	2,824	5,872
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	947	1,490	4,034
Iron and steel mills and ferroalloy manufacturing	<1	2,243	4,370	33,642
Iron, steel pipe and tube manufacturing from purchased steel	<1	56	92	613
Rolled steel shape manufacturing	<1	82	186	1,202
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	188	239	1,362
Nonferrous metal (exc aluminum) smelting and refining	<1	182	699	3,282



## Appendix

Copper rolling, drawing, extruding and alloying	<1	1,377	2,272	24,525
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	36	55	344
Ferrous metal foundries	<1	1,390	1,770	4,790
Nonferrous metal foundries	<1	1,462	1,694	4,555
Custom roll forming	<1	221	284	1,528
Crown and closure manufacturing and metal stamping	<1	2,322	2,757	8,660
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	53	84	370
Handtool manufacturing	<1	31	41	141
Prefabricated metal buildings and components manufacturing	<1	341	447	1,674
Fabricated structural metal manufacturing	<1	2,656	3,407	12,550
Plate work manufacturing	<1	726	805	2,533
Metal window and door manufacturing	<1	1,070	1,310	3,921
Sheet metal work manufacturing	<1	3,516	4,271	13,618
Ornamental and architectural metal work manufacturing	<1	993	1,126	3,057
Power boiler and heat exchanger manufacturing	<1	78	93	266
Metal tank (heavy gauge) manufacturing	<1	22	25	76
Metal cans manufacturing	<1	198	296	1,672
Metal barrels, drums and pails manufacturing	<1	37	44	190
Hardware manufacturing	<1	546	708	2,616
Spring and wire product manufacturing	<1	1,138	1,365	4,716
Machine shops	<1	14,101	15,680	34,097
Turned product and screw, nut, and bolt manufacturing	<1	1,246	1,471	4,566
Metal heat treating	<1	471	561	1,618
Metal coating and nonprecious engraving	<1	403	563	1,961
Electroplating, anodizing, and coloring metal	<1	642	691	1,620
Valve and fittings, other than plumbing, manufacturing	<1	2,448	3,159	12,392
Plumbing fixture fitting and trim manufacturing	<1	443	796	4,267

## Appendix

Ball and roller bearing manufacturing	<1	2,485	3,333	10,651
Small arms ammunition manufacturing	<1	690	1,232	3,618
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	10,468	16,262	43,830
Fabricated pipe and pipe fitting manufacturing	<1	270	314	964
Other fabricated metal manufacturing	<1	1,089	1,295	3,740
Farm machinery and equipment manufacturing	<1	23	45	227
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	52	123	467
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	75	94	407
Food product machinery manufacturing	<1	7	8	22
Sawmill, woodworking, and paper machinery	<1	99	115	322
Printing machinery and equipment manufacturing	<1	26	30	86
All other industrial machinery manufacturing	<1	117	150	379
Optical instrument and lens manufacturing	<1	284	417	1,055
Photographic and photocopying equipment manufacturing	<1	50	61	192
Other commercial service industry machinery manufacturing	<1	929	1,498	4,504
Air purification and ventilation equipment manufacturing	<1	232	306	823
Heating equipment (except warm air furnaces) manufacturing	<1	303	471	1,409
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	531	931	2,932
Industrial mold manufacturing	<1	53	66	163
Special tool, die, jig, and fixture manufacturing	<1	106	141	289

Appendix

Cutting tool and machine tool accessory manufacturing	<1	279	327	765
Machine tool manufacturing	<1	304	386	972
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	3	3	10
Speed changer, industrial high-speed drive, and gear manufacturing	<1	38	55	169
Mechanical power transmission equipment manufacturing	<1	175	253	707
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	5	9	28
Air and gas compressor manufacturing	<1	7	9	27
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	5	6	16
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	24	37	108
Packaging machinery manufacturing	<1	5	8	25
Industrial process furnace and oven manufacturing	<1	55	67	154
Fluid power cylinder and actuator manufacturing	<1	359	519	1,265
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	299	372	1,002
Electronic computer manufacturing	<1	191	212	787
Computer storage device manufacturing	<1	27	30	177
Computer terminals and other computer peripheral equipment manufacturing	<1	9,592	11,307	36,910
Telephone apparatus manufacturing	<1	27	30	119

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	17	18	57
Other communications equipment manufacturing	<1	67	70	287
Audio and video equipment manufacturing	<1	44	52	403
Printed circuit assembly (electronic assembly) manufacturing	<1	1,216	1,243	7,121
Bare printed circuit board manufacturing	<1	507	521	1,386
Semiconductor and related device manufacturing	<1	632	659	2,467
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	294	301	1,205
Electronic connector manufacturing	<1	5,698	5,469	13,208
Other electronic component manufacturing	<1	2,223	2,338	7,281
Electromedical and electrotherapeutic apparatus manufacturing	<1	39	39	137
Search, detection, and navigation instruments manufacturing	<1	214	209	641
Automatic environmental control manufacturing	<1	861	908	2,468
Industrial process variable instruments manufacturing	<1	82	84	289
Totalizing fluid meter and counting device manufacturing	<1	12	13	45
Electricity and signal testing instruments manufacturing	<1	98	104	298
Analytical laboratory instrument manufacturing	<1	13,441	15,996	50,529
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	47	51	229
Blank magnetic and optical recording media manufacturing	<1	543	877	8,426
Software and other prerecorded and record reproducing	<1	261	300	1,073
Electric lamp bulb and part manufacturing	<1	806	1,462	3,410
Lighting fixture manufacturing	<1	1,324	1,874	6,056
Small electrical appliance manufacturing	0	0	0	0

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	8	12	31
Motor and generator manufacturing	<1	99	210	585
Switchgear and switchboard apparatus manufacturing	<1	32	67	165
Relay and industrial control manufacturing	<1	51	74	211
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	858	8,728	8,634
Fiber optic cable manufacturing	<1	1,753	2,883	9,897
Other communication and energy wire manufacturing	<1	1,180	2,376	8,226
Wiring device manufacturing	<1	2,723	6,212	15,478
Carbon and graphite product manufacturing	<1	268	460	1,284
All other miscellaneous electrical equipment and component manufacturing	<1	5,077	6,103	15,720
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	27	43	155
Truck trailer manufacturing	<1	1	2	10
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	834	1,200	5,588
Motor vehicle gasoline engine and engine parts manufacturing	<1	226	479	1,827
Motor vehicle electrical and electronic equipment manufacturing	<1	11,672	18,608	69,382
Motor vehicle transmission and power train parts manufacturing	<1	5,535	10,673	40,087
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	2,036	3,079	9,995
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	540	938	2,960
Other aircraft parts and auxiliary equipment manufacturing	<1	10	12	31
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	10	12	26
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	17	20	56
Boat building	<1	270	362	1,501
Motorcycle, bicycle, and parts manufacturing	<1	40	91	265
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	69	115	585
Wood kitchen cabinet and countertop manufacturing	<1	2,254	2,448	5,910
Upholstered household furniture manufacturing	<1	15	15	44
Nonupholstered wood household furniture manufacturing	<1	676	714	2,230
Other household nonupholstered furniture manufacturing	<1	5	6	22
Institutional furniture manufacturing	<1	32	33	107
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	179	67	342
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	86	96	375
Mattress manufacturing	<1	44	55	355
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	3,322	3,465	8,585
Surgical appliance and supplies manufacturing	<1	1,676	1,880	5,499

## Appendix

Dental equipment and supplies manufacturing	<1	2	2	5
Ophthalmic goods manufacturing	<1	33	34	104
Dental laboratories	<1	186	191	360
Jewelry and silverware manufacturing	<1	688	918	2,659
Sporting and athletic goods manufacturing	<1	208	221	739
Doll, toy, and game manufacturing	<1	38	41	364
Office supplies (except paper) manufacturing	<1	194	207	974
Sign manufacturing	<1	4,382	3,926	8,857
Gasket, packing, and sealing device manufacturing	<1	2,212	2,267	5,570
Musical instrument manufacturing	<1	25	25	86
Fasteners, buttons, needles, and pins manufacturing	<1	1,983	1,980	3,982
Broom, brush, and mop manufacturing	<1	2,629	2,418	6,962
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2,078	2,283	6,560
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	28,649	57,125	140,807
Wholesale - Professional and commercial equipment and supplies	<1	160,068	229,200	375,360
Wholesale - Household appliances and electrical and electronic goods	<1	49,920	105,935	215,052
Wholesale - Machinery, equipment, and supplies	<1	69,729	117,792	216,410
Wholesale - Other durable goods merchant wholesalers	1	119,115	195,643	389,277
Wholesale - Drugs and druggists'sundries	<1	79,559	175,682	348,984
Wholesale - Grocery and related product wholesalers	<1	91,554	130,991	261,357
Wholesale - Petroleum and petroleum products	<1	16,221	126,766	170,068
Wholesale - Other nondurable goods merchant wholesalers	2	166,025	303,832	625,646
Wholesale - Wholesale electronic markets and agents and brokers	<1	109,110	121,864	138,252
Retail - Motor vehicle and parts dealers	2	141,202	162,464	230,307
Retail - Furniture and home furnishings stores	1	62,006	71,849	126,637

## Appendix

Retail - Electronics and appliance stores	<1	88,382	62,453	97,362
Retail - Building material and garden equipment and supplies stores	1	81,049	123,039	182,480
Retail - Food and beverage stores	5	188,679	236,745	422,429
Retail - Health and personal care stores	2	99,843	117,106	178,942
Retail - Gasoline stores	1	58,892	93,615	198,898
Retail - Clothing and clothing accessories stores	2	92,313	115,253	234,094
Retail - Sporting goods, hobby, musical instrument and book stores	1	60,220	66,899	108,758
Retail - General merchandise stores	4	138,024	175,785	329,254
Retail - Miscellaneous store retailers	3	128,760	110,860	183,037
Retail - Nonstore retailers	3	128,705	538,864	797,726
Air transportation	<1	45,230	75,312	141,547
Rail transportation	<1	3,048	4,844	14,383
Water transportation	<1	620	18,801	31,357
Truck transportation	1	95,928	139,994	299,402
Transit and ground passenger transportation	2	67,978	92,031	125,160
Pipeline transportation	<1	19,788	39,435	41,560
Scenic and sightseeing transportation and support activities for transportation	2	164,130	135,493	213,458
Couriers and messengers	3	73,627	144,586	175,762
Warehousing and storage	1	48,987	84,122	144,742
Newspaper publishers	<1	17,746	24,808	40,888
Periodical publishers	<1	11,214	13,730	27,082
Book publishers	<1	11,839	23,903	49,500
Directory, mailing list, and other publishers	<1	21,602	40,043	69,527
Greeting card publishing	<1	297	753	1,424
Software publishers	2	466,582	711,293	957,719
Motion picture and video industries	<1	30,888	47,794	110,222
Sound recording industries	<1	4,225	24,066	38,540
Radio and television broadcasting	<1	72,618	87,682	220,757
Cable and other subscription programming	<1	18,103	59,848	169,094
Wired telecommunications carriers	<1	104,414	205,855	390,151



## Appendix

Wireless telecommunications carriers (except satellite)	<1	11,272	78,158	177,254
Satellite, telecommunications resellers, and all other telecommunications	<1	11,495	13,157	28,184
Data processing, hosting, and related services	1	160,773	274,574	764,320
News syndicates, libraries, archives and all other information services	<1	9,317	12,583	35,522
Internet publishing and broadcasting and web search portals	<1	75,098	160,126	588,055
Nondepository credit intermediation and related activities	<1	127,716	135,284	196,373
Securities and commodity contracts intermediation and brokerage	4	506,338	454,320	709,035
Monetary authorities and depository credit intermediation	4	395,804	1,067,947	1,689,105
Other financial investment activities	3	390,151	453,675	813,028
Direct life insurance carriers	<1	71,278	154,327	220,352
Insurance carriers, except direct life	2	250,633	852,709	1,554,034
Insurance agencies, brokerages, and related activities	2	240,595	405,270	829,508
Funds, trusts, and other financial vehicles	<1	29,939	31,506	162,044
Other real estate	27	990,292	2,537,158	5,956,861
Tenant-occupied housing	1	41,270	481,483	513,606
Owner-occupied dwellings	0	0	2,595,305	3,151,556
Automotive equipment rental and leasing	<1	50,566	188,751	211,241
General and consumer goods rental except video tapes and discs	<1	30,813	55,643	80,246
Video tape and disc rental	<1	10,537	15,780	26,161
Commercial and industrial machinery and equipment rental and leasing	<1	38,582	116,125	143,184
Lessors of nonfinancial intangible assets	<1	4,857	88,976	94,053
Legal services	8	810,271	1,328,212	1,830,951
Accounting, tax preparation, bookkeeping, and payroll services	3	264,937	394,595	569,019
Architectural, engineering, and related services	4	408,793	478,906	804,479
Specialized design services	<1	17,653	38,910	63,044

## Appendix

Custom computer programming services	<1	111,104	109,990	150,267
Computer systems design services	2	214,224	191,672	243,650
Other computer related services, including facilities management	<1	60,906	74,273	145,967
Management consulting services	10	1,178,540	1,234,172	1,849,749
Environmental and other technical consulting services	1	135,010	159,915	242,695
Scientific research and development services	162	18,263,941	22,927,879	42,577,194
Advertising, public relations, and related services	2	146,612	301,884	560,523
Photographic services	<1	7,198	24,099	40,868
Veterinary services	<1	33,938	41,286	60,283
Marketing research and all other miscellaneous professional, scientific, and technical services	2	253,758	570,216	979,692
Management of companies and enterprises	8	1,033,716	1,302,605	2,085,473
Office administrative services	3	304,674	145,728	306,458
Facilities support services	<1	3,898	5,403	11,821
Employment services	14	1,059,085	1,490,257	2,190,246
Business support services	2	140,568	123,805	203,152
Travel arrangement and reservation services	<1	40,632	67,433	187,085
Investigation and security services	1	74,005	74,931	100,830
Services to buildings	3	127,825	182,589	368,978
Landscape and horticultural services	2	106,203	130,604	234,393
Other support services	<1	30,430	39,364	79,608
Waste management and remediation services	<1	78,201	100,979	205,264
Elementary and secondary schools	2	128,987	105,584	125,448
Junior colleges, colleges, universities, and professional schools	5	332,780	424,147	553,529
Other educational services	1	85,116	95,469	167,990
Offices of physicians	5	617,818	622,499	853,362
Offices of dentists	2	165,152	198,432	256,350
Offices of other health practitioners	2	104,390	159,099	201,393
Outpatient care centers	2	146,438	145,167	235,135
Medical and diagnostic laboratories	<1	15,892	26,021	34,367
Home health care services	2	113,381	113,051	141,581

Appendix

Other ambulatory health care services	<1	28,338	33,653	51,025
Hospitals	9	825,898	988,831	1,838,911
Nursing and community care facilities	2	145,835	163,370	251,340
Residential mental retardation, mental health, substance abuse and other facilities	1	63,735	67,869	96,316
Individual and family services	4	157,746	132,965	183,191
Child day care services	2	81,586	104,631	142,257
Community food, housing, and other relief services, including rehabilitation services	<1	35,874	33,533	70,395
Performing arts companies	<1	28,050	43,939	85,093
Commercial Sports Except Racing	<1	24,463	26,262	37,758
Racing and Track Operation	<1	7,578	11,921	20,212
Independent artists, writers, and performers	1	37,897	80,193	129,047
Promoters of performing arts and sports and agents for public figures	1	34,395	67,890	158,896
Museums, historical sites, zoos, and parks	<1	6,326	7,841	15,547
Amusement parks and arcades	<1	10,157	11,370	13,309
Gambling industries (except casino hotels)	<1	28,598	92,402	123,311
Other amusement and recreation industries	1	80,920	66,993	87,127
Fitness and recreational sports centers	<1	34,430	36,924	53,235
Bowling centers	<1	4,678	7,431	10,184
Hotels and motels, including casino hotels	<1	10,045	34,024	43,986
Other accommodations	<1	4,703	6,356	8,266
Full-service restaurants	9	440,344	509,430	931,794
Limited-service restaurants	6	237,111	286,665	639,349
All other food and drinking places	6	233,328	339,644	512,882
Automotive repair and maintenance, except car washes	3	293,429	292,258	398,788
Car washes	2	139,911	168,367	241,870
Electronic and precision equipment repair and maintenance	<1	80,325	97,178	140,644
Commercial and industrial machinery and equipment repair and maintenance	<1	104,017	107,306	148,848
Personal and household goods repair and maintenance	<1	33,535	57,242	77,359

## Appendix

Personal care services	2	83,469	55,534	65,926
Death care services	<1	13,131	9,676	12,641
Dry-cleaning and laundry services	1	48,955	33,477	40,708
Other personal services	1	56,266	69,798	96,113
Religious organizations	<1	31,717	16,864	56,212
Grantmaking, giving, and social advocacy organizations	<1	46,290	142,787	215,465
Business and professional associations	<1	52,617	86,342	139,639
Labor and civic organizations	1	34,195	102,088	185,396
Private households	1	24,671	24,671	24,780
Postal service	<1	92,447	93,122	93,825
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,413	11,708	17,909
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	2	137,272	212,542	524,486
Local government passenger transit	<1	5,423	1,015	2,794
Local government electric utilities	<1	609	1,869	3,576
Other local government enterprises	<1	38,082	90,314	178,847
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	342,184	585,329	623,508

## New Jersey

## NASA

Table 715: Detailed NASA Impacts by Types of Impact, New Jersey

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	571	58,187,208	84,878,362	145,074,405
Oilseed farming	<1	3,755	16,994	19,983
Grain farming	<1	1,818	5,756	11,846
Vegetable and melon farming	<1	5,707	13,134	19,472
Fruit farming	<1	3,193	6,920	8,019
Tree nut farming	<1	2	4	4
Greenhouse, nursery, and floriculture production	<1	5,481	11,965	19,077
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	857	1,672	2,796
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	203	729	1,335
Dairy cattle and milk production	<1	98	281	973
Poultry and egg production	<1	465	1,492	9,297
Animal production, except cattle and poultry and eggs	<1	6,844	22,082	25,086
Forestry, forest products, and timber tract production	<1	4,020	4,230	5,316
Commercial logging	<1	1,044	1,083	1,496
Commercial fishing	<1	7,577	8,851	8,933
Commercial hunting and trapping	<1	313	302	342
Support activities for agriculture and forestry	<1	23,436	25,094	27,517
Oil and gas extraction	<1	78,161	-1,431	63,094
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	18,615	5,940	22,073
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	9,481	6,538	12,524
Sand and gravel mining	<1	5,057	4,822	6,895

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	265	276	372
Phosphate rock mining	<1	95	95	141
Other chemical and fertilizer mineral mining	<1	107	109	152
Other nonmetallic minerals	<1	652	673	977
Drilling oil and gas wells	<1	7	0	5
Support activities for oil and gas operations	<1	48	15	37
Metal mining services	<1	1,619	-20	1,687
Other nonmetallic minerals services	<1	30	<1	32
Electric power generation - Hydroelectric	<1	277	629	1,022
Electric power generation - Fossil fuel	<1	17,600	61,231	118,883
Electric power generation - Nuclear	<1	37,819	78,580	141,411
Electric power generation - Solar	<1	4,457	10,921	18,585
Electric power generation - Wind	<1	601	4,060	6,299
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	400	1,116	2,396
Electric power generation - All other	<1	3,193	447	1,292
Electric power transmission and distribution	<1	127,974	406,766	809,048
Natural gas distribution	<1	104,931	357,222	674,409
Water, sewage and other systems	<1	35,756	65,091	91,479
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	128,458	157,783	391,722
Maintenance and repair construction of residential structures	<1	51,054	63,880	146,961
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	60	76	185
Dog and cat food manufacturing	<1	1,184	2,733	11,540
Other animal food manufacturing	<1	4,764	9,476	48,205
Flour milling	<1	753	1,382	6,766
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	18,223	37,125	264,613
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	3,018	7,474	86,024
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2,820	3,741	14,644
Chocolate and confectionery manufacturing from cacao beans	<1	159	227	1,543
Confectionery manufacturing from purchased chocolate	<1	1,409	1,910	9,459
Frozen fruits, juices and vegetables manufacturing	<1	3,151	5,766	26,425
Frozen specialties manufacturing	<1	5,569	7,121	31,841
Canned fruits and vegetables manufacturing	<1	4,109	6,971	26,819
Canned specialties	<1	359	712	4,305
Dehydrated food products manufacturing	<1	135	222	1,128
Cheese manufacturing	<1	4,461	5,989	67,466
Dry, condensed, and evaporated dairy product manufacturing	<1	371	759	5,506
Fluid milk manufacturing	<1	3,674	5,356	28,861
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	713	961	5,783



## Appendix

Frozen cakes and other pastries manufacturing	<1	8,876	12,125	21,894
Poultry processing	<1	1,982	2,389	10,820
Animal, except poultry, slaughtering	<1	4,675	6,011	36,873
Meat processed from carcasses	<1	18,678	18,425	123,733
Rendering and meat byproduct processing	<1	1,592	1,928	8,417
Seafood product preparation and packaging	<1	2,781	3,522	17,174
Bread and bakery product, except frozen, manufacturing	<1	31,033	41,822	103,617
Cookie and cracker manufacturing	<1	4,073	5,449	20,350
Dry pasta, mixes, and dough manufacturing	<1	4,074	8,026	32,109
Tortilla manufacturing	<1	310	393	1,648
Roasted nuts and peanut butter manufacturing	<1	3,253	7,402	29,342
Other snack food manufacturing	<1	4,754	10,230	40,889
Coffee and tea manufacturing	<1	2,757	4,509	20,369
Flavoring syrup and concentrate manufacturing	<1	1,946	11,345	29,146
Mayonnaise, dressing, and sauce manufacturing	<1	1,006	1,682	6,948
Spice and extract manufacturing	<1	10,409	15,322	51,759
All other food manufacturing	<1	10,131	13,462	63,560
Bottled and canned soft drinks & water	<1	8,716	13,764	63,041
Manufactured ice	<1	561	351	1,724
Breweries	<1	5,905	11,060	30,368
Wineries	<1	2,441	4,102	19,581
Distilleries	<1	2,451	10,444	23,772
Tobacco product manufacturing	<1	1,138	23,651	34,601
Fiber, yarn, and thread mills	<1	393	455	1,789
Broadwoven fabric mills	<1	614	706	2,750
Narrow fabric mills and schiffli machine embroidery	<1	63	66	197
Nonwoven fabric mills	<1	571	614	2,282
Knit fabric mills	<1	303	319	925
Textile and fabric finishing mills	<1	780	848	3,113
Fabric coating mills	<1	1,073	1,137	4,350
Carpet and rug mills	<1	338	393	1,069
Curtain and linen mills	<1	1,761	1,837	4,815
Textile bag and canvas mills	<1	1,512	1,599	5,456
Rope, cordage, twine, tire cord and tire fabric mills	<1	526	569	2,085

## Appendix

Other textile product mills	<1	2,955	3,104	8,367
Hosiery and sock mills	<1	290	320	710
Other apparel knitting mills	<1	286	333	767
Cut and sew apparel contractors	<1	1,316	1,299	2,490
Men's and boys' cut and sew apparel manufacturing	<1	1,481	1,302	3,405
Women's and girls' cut and sew apparel manufacturing	<1	1,210	547	3,965
Other cut and sew apparel manufacturing	<1	737	596	2,010
Apparel accessories and other apparel manufacturing	<1	2,231	1,659	5,125
Leather and hide tanning and finishing	<1	75	47	365
Footwear manufacturing	<1	508	485	1,349
Other leather and allied product manufacturing	<1	176	163	418
Sawmills	<1	310	231	1,600
Wood preservation	<1	547	226	4,105
Veneer and plywood manufacturing	<1	64	54	227
Engineered wood member and truss manufacturing	<1	575	465	2,292
Reconstituted wood product manufacturing	<1	347	130	2,979
Wood windows and door manufacturing	<1	8,931	7,886	26,306
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	1,830	1,473	6,257
Wood container and pallet manufacturing	<1	3,317	2,842	9,838
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	120	89	454
All other miscellaneous wood product manufacturing	<1	1,695	1,378	5,616
Pulp mills	0	0	0	0
Paper mills	<1	4,836	7,094	33,926
Paperboard mills	<1	376	569	3,189
Paperboard container manufacturing	<1	23,559	29,930	136,979
Paper bag and coated and treated paper manufacturing	<1	24,564	30,623	116,715
Stationery product manufacturing	<1	2,705	3,125	11,747

## Appendix

Sanitary paper product manufacturing	<1	27,322	46,851	118,070
All other converted paper product manufacturing	<1	1,198	1,601	6,476
Printing	5	368,312	550,923	1,088,689
Support activities for printing	<1	14,050	22,691	31,286
Petroleum refineries	<1	29,519	173,713	831,253
Asphalt paving mixture and block manufacturing	<1	2,426	3,254	10,712
Asphalt shingle and coating materials manufacturing	<1	938	2,489	6,417
Petroleum lubricating oil and grease manufacturing	2	718,711	1,432,023	2,722,731
All other petroleum and coal products manufacturing	<1	3,503	8,750	21,648
Petrochemical manufacturing	<1	13,448	107,960	357,789
Industrial gas manufacturing	<1	10,833	22,518	56,859
Synthetic dye and pigment manufacturing	<1	1,464	2,248	6,124
Other basic inorganic chemical manufacturing	<1	8,094	13,119	36,053
Other basic organic chemical manufacturing	<1	40,046	76,576	414,234
Plastics material and resin manufacturing	<1	11,493	17,560	92,916
Synthetic rubber manufacturing	<1	55	75	345
Artificial and synthetic fibers and filaments manufacturing	<1	1	1	15
Nitrogenous fertilizer manufacturing	<1	204	480	1,647
Phosphatic fertilizer manufacturing	<1	214	416	1,451
Fertilizer mixing	<1	272	405	1,014
Pesticide and other agricultural chemical manufacturing	<1	3,808	9,173	41,949
Medicinal and botanical manufacturing	<1	43,802	51,962	114,710
Pharmaceutical preparation manufacturing	<1	249,012	432,993	891,515
In-vitro diagnostic substance manufacturing	<1	5,684	6,566	13,656
Biological product (except diagnostic) manufacturing	<1	4,954	9,159	18,396
Paint and coating manufacturing	<1	14,163	25,313	82,774
Adhesive manufacturing	<1	8,511	10,987	36,153
Soap and other detergent manufacturing	<1	16,046	28,266	90,293
Polish and other sanitation good manufacturing	<1	18,059	21,932	44,083

## Appendix

Surface active agent manufacturing	<1	2,969	7,231	18,717
Toilet preparation manufacturing	<1	42,460	80,837	195,950
Printing ink manufacturing	<1	2,328	2,554	8,135
Explosives manufacturing	<1	179	202	617
Custom compounding of purchased resins	<1	61,140	96,259	291,770
Photographic film and chemical manufacturing	<1	6,395	10,290	26,298
Other miscellaneous chemical product manufacturing	<1	9,226	12,056	42,810
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	11,347	17,034	68,207
Unlaminated plastics profile shape manufacturing	<1	6,111	11,739	34,992
Plastics pipe and pipe fitting manufacturing	<1	691	1,635	5,468
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,437	2,156	5,178
Polystyrene foam product manufacturing	<1	676	1,093	3,814
Urethane and other foam product (except polystyrene) manufacturing	<1	1,324	2,049	7,278
Plastics bottle manufacturing	<1	3,833	5,525	23,015
Other plastics product manufacturing	<1	47,700	66,314	200,462
Tire manufacturing	<1	2,720	3,464	13,135
Rubber and plastics hoses and belting manufacturing	<1	1,471	2,178	7,918
Other rubber product manufacturing	<1	8,770	10,672	29,971
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,722	2,637	4,477
Brick, tile, and other structural clay product manufacturing	<1	388	641	1,447
Flat glass manufacturing	<1	996	1,883	4,670
Other pressed and blown glass and glassware manufacturing	<1	6,615	10,775	27,035
Glass container manufacturing	<1	1,766	2,803	7,385
Glass product manufacturing made of purchased glass	<1	6,770	11,731	27,100
Cement manufacturing	<1	542	1,204	3,694
Ready-mix concrete manufacturing	<1	4,811	7,669	22,883
Concrete block and brick manufacturing	<1	2,786	4,677	8,729
Concrete pipe manufacturing	<1	182	288	544

## Appendix

Other concrete product manufacturing	<1	2,887	4,204	10,212
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,295	3,477	8,964
Abrasive product manufacturing	<1	863	1,780	3,567
Cut stone and stone product manufacturing	<1	2,803	3,602	7,713
Ground or treated mineral and earth manufacturing	<1	855	1,811	2,989
Mineral wool manufacturing	<1	954	2,400	5,629
Miscellaneous nonmetallic mineral products manufacturing	<1	535	1,169	2,724
Iron and steel mills and ferroalloy manufacturing	<1	10,073	17,963	127,989
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,438	2,257	12,087
Rolled steel shape manufacturing	<1	2,459	5,110	27,390
Steel wire drawing	<1	179	262	1,472
Alumina refining and primary aluminum production	<1	2,918	3,857	14,541
Secondary smelting and alloying of aluminum	<1	600	862	5,521
Aluminum sheet, plate, and foil manufacturing	<1	3,698	5,856	32,134
Other aluminum rolling, drawing and extruding	<1	405	492	2,320
Nonferrous metal (exc aluminum) smelting and refining	<1	410	1,377	5,609
Copper rolling, drawing, extruding and alloying	<1	21,006	32,151	296,181
Nonferrous metal, except copper and aluminum, shaping	<1	1,540	1,740	6,976
Secondary processing of other nonferrous metals	<1	441	658	3,322
Ferrous metal foundries	<1	4,442	5,172	12,942
Nonferrous metal foundries	<1	5,783	6,617	17,986
Custom roll forming	<1	1,166	1,567	8,715
Crown and closure manufacturing and metal stamping	<1	20,173	24,721	70,346
Iron and steel forging	<1	5,592	7,039	19,551
Nonferrous forging	<1	1,141	1,375	4,386
Cutlery, utensil, pot, and pan manufacturing	<1	1,591	2,840	10,832
Handtool manufacturing	<1	2,029	2,922	7,650
Prefabricated metal buildings and components manufacturing	<1	225	308	1,054

## Appendix

Fabricated structural metal manufacturing	<1	4,346	5,945	19,216
Plate work manufacturing	<1	1,944	2,181	6,568
Metal window and door manufacturing	<1	2,169	2,808	8,240
Sheet metal work manufacturing	<1	18,246	22,979	62,671
Ornamental and architectural metal work manufacturing	<1	2,240	2,605	6,759
Power boiler and heat exchanger manufacturing	<1	458	586	1,624
Metal tank (heavy gauge) manufacturing	<1	654	768	2,101
Metal cans manufacturing	<1	2,011	3,336	17,631
Metal barrels, drums and pails manufacturing	<1	4,081	5,050	18,177
Hardware manufacturing	<1	1,267	1,737	6,223
Spring and wire product manufacturing	<1	6,409	7,937	24,983
Machine shops	<1	29,621	33,649	68,708
Turned product and screw, nut, and bolt manufacturing	<1	7,050	8,555	24,367
Metal heat treating	<1	2,035	2,505	6,381
Metal coating and nonprecious engraving	<1	3,828	5,848	18,386
Electroplating, anodizing, and coloring metal	<1	6,036	6,509	14,555
Valve and fittings, other than plumbing, manufacturing	3	277,943	388,333	1,110,690
Plumbing fixture fitting and trim manufacturing	<1	278	541	2,064
Ball and roller bearing manufacturing	<1	1,445	2,080	5,953
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	524	916	2,405
Fabricated pipe and pipe fitting manufacturing	<1	4,027	4,792	13,572
Other fabricated metal manufacturing	<1	17,159	21,303	56,148
Farm machinery and equipment manufacturing	<1	7	14	62
Lawn and garden equipment manufacturing	<1	102	201	780
Construction machinery manufacturing	<1	5,696	12,901	35,489
Mining machinery and equipment manufacturing	<1	<1	<1	2

Appendix

Oil and gas field machinery and equipment manufacturing	<1	4	5	13
Semiconductor machinery manufacturing	<1	37	47	140
Food product machinery manufacturing	<1	12	14	43
Sawmill, woodworking, and paper machinery	<1	77	92	254
Printing machinery and equipment manufacturing	<1	169	196	579
All other industrial machinery manufacturing	<1	344	465	1,174
Optical instrument and lens manufacturing	<1	56,655	91,875	227,882
Photographic and photocopying equipment manufacturing	<1	39	50	155
Other commercial service industry machinery manufacturing	<1	540	959	2,839
Air purification and ventilation equipment manufacturing	1	121,691	170,005	429,995
Heating equipment (except warm air furnaces) manufacturing	<1	663	1,138	2,964
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,392	4,530	13,068
Industrial mold manufacturing	<1	635	804	1,599
Special tool, die, jig, and fixture manufacturing	<1	374	527	994
Cutting tool and machine tool accessory manufacturing	<1	1,539	1,868	4,014
Machine tool manufacturing	<1	128	174	494
Rolling mill and other metalworking machinery manufacturing	<1	46	66	141
Turbine and turbine generator set units manufacturing	<1	16	18	52
Speed changer, industrial high-speed drive, and gear manufacturing	<1	245	376	944
Mechanical power transmission equipment manufacturing	<1	920	1,414	3,124
Other engine equipment manufacturing	<1	58	142	464
Pump and pumping equipment manufacturing	<1	110	203	531
Air and gas compressor manufacturing	<1	20	29	75
Elevator and moving stairway manufacturing	<1	290	394	912

## Appendix

Conveyor and conveying equipment manufacturing	<1	11,182	12,160	27,773
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	10	38
Industrial truck, trailer, and stacker manufacturing	<1	61	109	264
Power-driven handtool manufacturing	<1	68	212	408
Welding and soldering equipment manufacturing	<1	1,012	2,157	5,971
Packaging machinery manufacturing	<1	319	513	1,302
Industrial process furnace and oven manufacturing	<1	6,945	8,978	19,707
Fluid power cylinder and actuator manufacturing	<1	152	235	655
Fluid power pump and motor manufacturing	<1	41	72	160
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	156	203	525
Electronic computer manufacturing	<1	640	882	3,480
Computer storage device manufacturing	<1	9	13	60
Computer terminals and other computer peripheral equipment manufacturing	<1	330	439	1,181
Telephone apparatus manufacturing	<1	88	137	452
Broadcast and wireless communications equipment manufacturing	<1	45,637	59,168	129,468
Other communications equipment manufacturing	<1	1,061	1,533	4,000
Audio and video equipment manufacturing	<1	14,054	25,177	85,152
Printed circuit assembly (electronic assembly) manufacturing	<1	5,522	8,092	34,545
Bare printed circuit board manufacturing	<1	1,510	1,830	5,187
Semiconductor and related device manufacturing	<1	12,206	20,848	75,345
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3,615	4,462	12,470
Electronic connector manufacturing	<1	10,264	13,438	38,857
Other electronic component manufacturing	<1	62,923	77,492	193,245



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	294	419	1,203
Search, detection, and navigation instruments manufacturing	<1	717	966	2,518
Automatic environmental control manufacturing	<1	2,965	3,702	8,151
Industrial process variable instruments manufacturing	<1	664	869	2,208
Totalizing fluid meter and counting device manufacturing	<1	67	115	266
Electricity and signal testing instruments manufacturing	<1	25,292	30,408	83,802
Analytical laboratory instrument manufacturing	4	477,629	709,025	1,717,768
Irradiation apparatus manufacturing	<1	4	6	22
Watch, clock, and other measuring and controlling device manufacturing	<1	226	304	1,228
Blank magnetic and optical recording media manufacturing	<1	1,119	3,200	16,403
Software and other prerecorded and record reproducing	<1	1,075	1,457	4,171
Electric lamp bulb and part manufacturing	<1	184	298	913
Lighting fixture manufacturing	<1	2,346	3,069	10,131
Small electrical appliance manufacturing	<1	718	1,531	4,725
Household cooking appliance manufacturing	<1	28	65	219
Household refrigerator and home freezer manufacturing	<1	34	75	237
Household laundry equipment manufacturing	<1	109	180	703
Other major household appliance manufacturing	<1	14	34	96
Power, distribution, and specialty transformer manufacturing	<1	117	161	451
Motor and generator manufacturing	<1	483	854	2,497
Switchgear and switchboard apparatus manufacturing	<1	245	427	1,130
Relay and industrial control manufacturing	<1	1,275	1,669	4,399
Storage battery manufacturing	<1	145	227	578
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2,054	2,951	8,105

## Appendix

Other communication and energy wire manufacturing	<1	1,625	2,810	11,812
Wiring device manufacturing	<1	6,095	11,948	30,390
Carbon and graphite product manufacturing	<1	692	1,038	3,400
All other miscellaneous electrical equipment and component manufacturing	3	310,063	359,808	1,074,736
Automobile manufacturing	<1	439	246	5,195
Light truck and utility vehicle manufacturing	<1	92	56	1,653
Heavy duty truck manufacturing	<1	3	3	27
Motor vehicle body manufacturing	<1	39	39	169
Truck trailer manufacturing	<1	34	30	133
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	520	502	2,306
Motor vehicle gasoline engine and engine parts manufacturing	<1	668	633	4,840
Motor vehicle electrical and electronic equipment manufacturing	<1	1,916	2,278	11,111
Motor vehicle transmission and power train parts manufacturing	<1	132	123	1,104
Motor vehicle seating and interior trim manufacturing	<1	137	138	786
Motor vehicle metal stamping	<1	929	880	3,312
Other motor vehicle parts manufacturing	<1	4,651	4,274	24,524
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	6,176	5,608	28,527
Aircraft manufacturing	<1	43	91	228
Aircraft engine and engine parts manufacturing	<1	1,041	2,953	6,778
Other aircraft parts and auxiliary equipment manufacturing	3	393,179	584,807	980,484
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	7
Ship building and repairing	<1	393	614	1,373
Boat building	<1	414	698	2,167
Motorcycle, bicycle, and parts manufacturing	<1	3	14	38

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	574	1,517	3,899
All other transportation equipment manufacturing	<1	462	1,153	3,830
Wood kitchen cabinet and countertop manufacturing	<1	6,044	6,731	17,948
Upholstered household furniture manufacturing	<1	985	1,052	3,562
Nonupholstered wood household furniture manufacturing	<1	756	805	2,305
Other household nonupholstered furniture manufacturing	<1	247	321	1,568
Institutional furniture manufacturing	<1	52	54	175
Wood office furniture manufacturing	<1	9	10	32
Custom architectural woodwork and millwork	<1	206	194	485
Office furniture, except wood, manufacturing	<1	202	241	903
Showcase, partition, shelving, and locker manufacturing	<1	961	1,073	2,641
Mattress manufacturing	<1	1,159	1,532	7,626
Blind and shade manufacturing	<1	165	167	578
Surgical and medical instrument manufacturing	<1	6,018	10,526	17,098
Surgical appliance and supplies manufacturing	<1	19,957	40,151	66,636
Dental equipment and supplies manufacturing	<1	291	508	1,102
Ophthalmic goods manufacturing	<1	594	1,212	2,558
Dental laboratories	<1	1,669	1,937	3,246
Jewelry and silverware manufacturing	<1	4,262	7,156	15,369
Sporting and athletic goods manufacturing	<1	381	588	1,665
Doll, toy, and game manufacturing	<1	554	1,105	2,678
Office supplies (except paper) manufacturing	<1	1,426	2,288	5,738
Sign manufacturing	<1	4,101	3,984	8,811
Gasket, packing, and sealing device manufacturing	<1	903	1,053	2,229
Musical instrument manufacturing	<1	166	189	412
Fasteners, buttons, needles, and pins manufacturing	<1	230	277	701

## Appendix

Broom, brush, and mop manufacturing	<1	1,745	2,610	5,880
Burial casket manufacturing	<1	227	349	564
All other miscellaneous manufacturing	<1	2,690	3,975	9,436
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	50,654	106,419	231,941
Wholesale - Professional and commercial equipment and supplies	3	523,844	794,222	1,308,779
Wholesale - Household appliances and electrical and electronic goods	1	154,388	353,747	744,269
Wholesale - Machinery, equipment, and supplies	1	128,598	231,853	394,080
Wholesale - Other durable goods merchant wholesalers	2	213,980	386,809	761,512
Wholesale - Drugs and druggistsâ€™ sundries	<1	145,578	307,157	630,691
Wholesale - Grocery and related product wholesalers	2	165,128	234,555	438,906
Wholesale - Petroleum and petroleum products	<1	16,066	378,210	424,515
Wholesale - Other nondurable goods merchant wholesalers	2	262,446	620,446	1,042,588
Wholesale - Wholesale electronic markets and agents and brokers	1	144,088	160,529	188,122
Retail - Motor vehicle and parts dealers	1	138,891	187,253	253,967
Retail - Furniture and home furnishings stores	1	78,114	102,729	165,300
Retail - Electronics and appliance stores	1	92,829	78,798	121,403
Retail - Building material and garden equipment and supplies stores	1	79,895	151,073	212,897
Retail - Food and beverage stores	6	281,695	381,079	588,985
Retail - Health and personal care stores	3	155,302	193,349	281,208
Retail - Gasoline stores	1	58,258	120,566	226,556
Retail - Clothing and clothing accessories stores	3	129,163	198,649	384,687
Retail - Sporting goods, hobby, musical instrument and book stores	1	98,467	111,992	151,384
Retail - General merchandise stores	4	168,739	260,840	423,601
Retail - Miscellaneous store retailers	3	147,840	145,177	217,640
Retail - Nonstore retailers	4	132,982	631,681	952,934
Air transportation	1	162,940	402,081	693,154

Appendix

Rail transportation	<1	32,641	56,671	132,049
Water transportation	<1	20,043	92,944	164,461
Truck transportation	5	403,881	587,207	1,158,496
Transit and ground passenger transportation	5	149,260	167,882	249,439
Pipeline transportation	<1	43,066	88,231	129,261
Scenic and sightseeing transportation and support activities for transportation	3	306,175	251,323	354,305
Couriers and messengers	4	144,037	307,449	354,331
Warehousing and storage	5	289,759	307,431	555,509
Newspaper publishers	<1	35,965	57,361	75,531
Periodical publishers	<1	33,653	46,468	71,941
Book publishers	<1	26,450	64,918	114,405
Directory, mailing list, and other publishers	<1	13,489	30,516	50,429
Greeting card publishing	<1	168	513	786
Software publishers	2	487,006	912,002	1,164,805
Motion picture and video industries	<1	67,315	102,573	193,973
Sound recording industries	<1	7,170	43,334	67,891
Radio and television broadcasting	<1	160,541	209,624	371,007
Cable and other subscription programming	<1	78,302	344,933	668,864
Wired telecommunications carriers	<1	169,389	335,490	531,948
Wireless telecommunications carriers (except satellite)	<1	15,246	112,200	248,223
Satellite, telecommunications resellers, and all other telecommunications	<1	38,383	41,921	88,424
Data processing, hosting, and related services	1	257,417	528,291	1,180,179
News syndicates, libraries, archives and all other information services	<1	32,513	50,918	91,516
Internet publishing and broadcasting and web search portals	<1	211,581	542,237	1,522,552
Nondepository credit intermediation and related activities	2	216,812	232,087	344,291
Securities and commodity contracts intermediation and brokerage	7	664,127	644,652	1,069,200
Monetary authorities and depository credit intermediation	5	833,678	1,227,304	2,076,347

## Appendix

Other financial investment activities	4	332,448	403,300	848,868
Direct life insurance carriers	<1	84,778	164,769	209,576
Insurance carriers, except direct life	2	325,652	980,444	1,762,900
Insurance agencies, brokerages, and related activities	2	346,101	543,229	986,245
Funds, trusts, and other financial vehicles	2	50,492	65,108	395,158
Other real estate	29	860,976	2,576,176	6,160,321
Tenant-occupied housing	4	108,953	939,913	1,028,965
Owner-occupied dwellings	0	0	3,414,641	4,120,907
Automotive equipment rental and leasing	<1	58,563	187,984	227,965
General and consumer goods rental except video tapes and discs	<1	44,531	75,945	107,358
Video tape and disc rental	<1	15,641	24,490	36,899
Commercial and industrial machinery and equipment rental and leasing	<1	65,176	174,898	216,225
Lessors of nonfinancial intangible assets	<1	8,239	197,980	207,005
Legal services	8	932,754	1,435,427	1,947,933
Accounting, tax preparation, bookkeeping, and payroll services	3	422,074	549,510	751,460
Architectural, engineering, and related services	3	377,815	426,106	705,848
Specialized design services	<1	34,828	66,218	109,106
Custom computer programming services	4	522,238	547,373	715,018
Computer systems design services	2	264,795	262,382	323,276
Other computer related services, including facilities management	<1	119,614	166,910	272,449
Management consulting services	12	1,573,125	1,657,750	2,422,873
Environmental and other technical consulting services	1	135,329	154,425	227,890
Scientific research and development services	118	18,183,781	22,469,613	36,648,590
Advertising, public relations, and related services	3	332,807	545,932	996,969
Photographic services	<1	8,781	26,832	49,943
Veterinary services	<1	40,408	46,955	67,551
Marketing research and all other miscellaneous professional, scientific, and technical services	3	394,677	683,012	1,161,365
Management of companies and enterprises	10	2,089,492	2,329,795	3,261,988

## Appendix

Office administrative services	3	344,737	166,038	313,186
Facilities support services	<1	26,938	37,359	75,006
Employment services	18	1,112,474	1,568,858	2,426,859
Business support services	2	233,401	208,855	292,719
Travel arrangement and reservation services	<1	48,786	80,966	211,931
Investigation and security services	3	148,401	155,399	211,794
Services to buildings	4	181,496	269,476	496,924
Landscape and horticultural services	2	129,023	165,728	281,834
Other support services	1	98,458	129,979	223,882
Waste management and remediation services	<1	90,020	154,059	282,316
Elementary and secondary schools	3	187,136	164,903	193,450
Junior colleges, colleges, universities, and professional schools	49	2,707,231	3,579,192	4,712,560
Other educational services	2	127,201	148,353	258,699
Offices of physicians	7	978,885	1,003,328	1,367,823
Offices of dentists	2	190,746	212,752	284,582
Offices of other health practitioners	3	178,929	230,661	295,417
Outpatient care centers	3	219,361	218,887	329,516
Medical and diagnostic laboratories	<1	86,941	115,304	161,840
Home health care services	4	231,375	234,044	294,876
Other ambulatory health care services	<1	54,073	60,113	88,700
Hospitals	12	1,255,424	1,470,603	2,592,838
Nursing and community care facilities	3	203,303	225,938	337,954
Residential mental retardation, mental health, substance abuse and other facilities	2	109,106	114,193	158,012
Individual and family services	7	289,072	257,789	342,680
Child day care services	3	117,847	166,059	215,964
Community food, housing, and other relief services, including rehabilitation services	1	52,842	53,880	106,031
Performing arts companies	<1	18,860	36,200	62,713
Commercial Sports Except Racing	2	98,702	64,987	112,817
Racing and Track Operation	<1	5,067	10,722	18,168
Independent artists, writers, and performers	<1	16,573	55,946	76,709

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	28,679	78,419	150,864
Museums, historical sites, zoos, and parks	<1	5,178	6,267	11,355
Amusement parks and arcades	<1	5,717	11,253	13,544
Gambling industries (except casino hotels)	1	55,805	156,609	202,245
Other amusement and recreation industries	2	54,798	45,386	66,939
Fitness and recreational sports centers	1	33,913	44,532	69,279
Bowling centers	<1	3,883	5,763	8,801
Hotels and motels, including casino hotels	1	62,266	114,489	165,813
Other accommodations	<1	14,591	18,255	22,932
Full-service restaurants	10	378,053	524,549	966,971
Limited-service restaurants	7	235,541	339,474	751,415
All other food and drinking places	7	294,638	392,908	609,892
Automotive repair and maintenance, except car washes	3	256,522	284,781	388,816
Car washes	2	130,209	178,290	251,631
Electronic and precision equipment repair and maintenance	<1	90,311	116,592	167,198
Commercial and industrial machinery and equipment repair and maintenance	<1	113,542	126,255	172,339
Personal and household goods repair and maintenance	<1	32,869	60,816	80,426
Personal care services	4	118,682	68,033	85,056
Death care services	<1	27,289	18,101	23,957
Dry-cleaning and laundry services	1	56,510	34,492	44,138
Other personal services	2	64,025	81,333	110,081
Religious organizations	5	326,938	164,953	488,689
Grantmaking, giving, and social advocacy organizations	<1	61,027	185,858	249,145
Business and professional associations	<1	76,664	124,922	190,715
Labor and civic organizations	2	63,611	185,983	291,094
Private households	2	43,813	43,813	43,813
Postal service	1	143,446	144,105	144,157
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,699	5,593	12,487
State government passenger transit	3	283,982	-14,177	113,859



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	2	332,283	361,198	622,233
Local government passenger transit	<1	3,486	-255	1,685
Local government electric utilities	<1	946	2,231	4,786
Other local government enterprises	<1	74,814	91,606	265,831
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	24	4,173,629	6,204,115	11,003,711

## Moon to Mars Campaign

**Table 716: Detailed M2M Campaign Impacts by Types of Impact, New Jersey**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>86</i>	<i>8,142,999</i>	<i>12,129,934</i>	<i>20,852,837</i>
Oilseed farming	<1	642	3,380	4,157
Grain farming	<1	205	901	1,357
Vegetable and melon farming	<1	783	1,915	2,731
Fruit farming	<1	489	1,077	1,224
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	677	1,567	2,406
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	99	205	333
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	21	88	141
Dairy cattle and milk production	<1	15	48	150
Poultry and egg production	<1	59	201	1,164
Animal production, except cattle and poultry and eggs	<1	661	2,482	2,699
Forestry, forest products, and timber tract production	<1	664	704	868
Commercial logging	<1	119	129	172
Commercial fishing	<1	1,894	1,293	1,294
Commercial hunting and trapping	<1	60	38	42
Support activities for agriculture and forestry	<1	2,310	2,502	2,744
Oil and gas extraction	<1	8,068	-179	8,669
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	1,213	396	1,456
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,085	737	1,410
Sand and gravel mining	<1	638	610	850
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	42	44	59
Phosphate rock mining	<1	16	16	24
Other chemical and fertilizer mineral mining	<1	18	19	26
Other nonmetallic minerals	<1	115	120	175
Drilling oil and gas wells	<1	1	0	1
Support activities for oil and gas operations	<1	3	1	3
Metal mining services	<1	295	-4	355
Other nonmetallic minerals services	<1	3	<1	4
Electric power generation - Hydroelectric	<1	50	112	178

## Appendix

Electric power generation - Fossil fuel	<1	3,035	9,663	18,807
Electric power generation - Nuclear	<1	6,776	14,015	25,079
Electric power generation - Solar	<1	712	1,743	2,975
Electric power generation - Wind	<1	71	482	745
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	66	183	404
Electric power generation - All other	<1	550	50	178
Electric power transmission and distribution	<1	18,406	55,956	111,134
Natural gas distribution	<1	18,743	62,019	114,818
Water, sewage and other systems	<1	7,617	13,119	17,951
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	17,383	21,865	52,908
Maintenance and repair construction of residential structures	<1	6,851	8,742	19,738
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	8	10	24
Dog and cat food manufacturing	<1	140	327	1,364
Other animal food manufacturing	<1	542	1,114	5,544
Flour milling	<1	97	179	896

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	1,265	2,757	18,172
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	697	1,737	19,742
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	432	571	2,216
Chocolate and confectionery manufacturing from cacao beans	<1	31	45	302
Confectionery manufacturing from purchased chocolate	<1	227	314	1,503
Frozen fruits, juices and vegetables manufacturing	<1	490	923	4,024
Frozen specialties manufacturing	<1	807	1,029	4,635
Canned fruits and vegetables manufacturing	<1	725	1,254	4,756
Canned specialties	<1	61	123	734
Dehydrated food products manufacturing	<1	24	40	203
Cheese manufacturing	<1	745	999	11,706
Dry, condensed, and evaporated dairy product manufacturing	<1	65	134	971
Fluid milk manufacturing	<1	663	993	5,278
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	126	172	1,013
Frozen cakes and other pastries manufacturing	<1	1,531	2,102	3,772
Poultry processing	<1	228	281	1,273
Animal, except poultry, slaughtering	<1	696	905	5,590
Meat processed from carcasses	<1	2,564	2,545	17,038
Rendering and meat byproduct processing	<1	276	338	1,451
Seafood product preparation and packaging	<1	507	661	3,069
Bread and bakery product, except frozen, manufacturing	<1	5,251	7,140	17,654
Cookie and cracker manufacturing	<1	680	944	3,320
Dry pasta, mixes, and dough manufacturing	<1	567	1,122	4,660
Tortilla manufacturing	<1	42	52	222

## Appendix

Roasted nuts and peanut butter manufacturing	<1	489	1,159	4,415
Other snack food manufacturing	<1	666	1,440	5,698
Coffee and tea manufacturing	<1	524	871	3,957
Flavoring syrup and concentrate manufacturing	<1	277	1,659	4,157
Mayonnaise, dressing, and sauce manufacturing	<1	181	301	1,241
Spice and extract manufacturing	<1	2,164	3,271	10,866
All other food manufacturing	<1	1,472	1,964	9,367
Bottled and canned soft drinks & water	<1	1,083	1,734	7,950
Manufactured ice	<1	75	48	224
Breweries	<1	1,082	2,107	5,742
Wineries	<1	398	678	3,144
Distilleries	<1	363	1,641	3,611
Tobacco product manufacturing	<1	157	3,885	5,287
Fiber, yarn, and thread mills	<1	39	48	178
Broadwoven fabric mills	<1	71	84	313
Narrow fabric mills and schiffli machine embroidery	<1	9	9	26
Nonwoven fabric mills	<1	48	58	197
Knit fabric mills	<1	65	70	199
Textile and fabric finishing mills	<1	129	141	505
Fabric coating mills	<1	229	243	900
Carpet and rug mills	<1	43	52	132
Curtain and linen mills	<1	280	299	754
Textile bag and canvas mills	<1	198	217	712
Rope, cordage, twine, tire cord and tire fabric mills	<1	51	59	203
Other textile product mills	<1	411	442	1,153
Hosiery and sock mills	<1	41	46	96
Other apparel knitting mills	<1	37	44	95
Cut and sew apparel contractors	<1	186	184	345
Men's and boys' cut and sew apparel manufacturing	<1	173	153	387
Women's and girls' cut and sew apparel manufacturing	<1	194	91	614
Other cut and sew apparel manufacturing	<1	162	132	432
Apparel accessories and other apparel manufacturing	<1	355	268	780
Leather and hide tanning and finishing	<1	13	8	64
Footwear manufacturing	<1	77	74	197
Other leather and allied product manufacturing	<1	24	23	56

## Appendix

Sawmills	<1	35	26	181
Wood preservation	<1	59	24	462
Veneer and plywood manufacturing	<1	8	6	27
Engineered wood member and truss manufacturing	<1	84	67	331
Reconstituted wood product manufacturing	<1	42	15	355
Wood windows and door manufacturing	<1	1,008	882	2,933
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	226	179	758
Wood container and pallet manufacturing	<1	416	354	1,225
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	14	11	53
All other miscellaneous wood product manufacturing	<1	188	149	585
Pulp mills	0	0	0	0
Paper mills	<1	405	543	2,812
Paperboard mills	<1	47	68	401
Paperboard container manufacturing	<1	4,944	6,297	29,499
Paper bag and coated and treated paper manufacturing	<1	2,601	3,161	12,164
Stationery product manufacturing	<1	332	378	1,380
Sanitary paper product manufacturing	<1	3,136	5,201	13,602
All other converted paper product manufacturing	<1	167	221	914
Printing	<1	10,440	17,373	28,109
Support activities for printing	<1	1,044	1,704	2,312
Petroleum refineries	<1	4,805	31,977	139,524
Asphalt paving mixture and block manufacturing	<1	313	431	1,367
Asphalt shingle and coating materials manufacturing	<1	139	405	968
Petroleum lubricating oil and grease manufacturing	<1	130,941	294,198	491,320
All other petroleum and coal products manufacturing	<1	435	1,094	2,598
Petrochemical manufacturing	<1	1,989	20,096	54,199
Industrial gas manufacturing	<1	1,866	4,202	10,048

## Appendix

Synthetic dye and pigment manufacturing	<1	184	298	818
Other basic inorganic chemical manufacturing	<1	1,239	2,154	5,638
Other basic organic chemical manufacturing	<1	4,460	8,973	47,484
Plastics material and resin manufacturing	<1	1,832	2,972	15,241
Synthetic rubber manufacturing	<1	9	12	54
Artificial and synthetic fibers and filaments manufacturing	<1	0	0	1
Nitrogenous fertilizer manufacturing	<1	34	87	261
Phosphatic fertilizer manufacturing	<1	31	64	219
Fertilizer mixing	<1	37	60	141
Pesticide and other agricultural chemical manufacturing	<1	509	1,314	5,895
Medicinal and botanical manufacturing	<1	7,840	9,458	19,630
Pharmaceutical preparation manufacturing	<1	38,820	71,071	141,579
In-vitro diagnostic substance manufacturing	<1	1,167	1,322	2,787
Biological product (except diagnostic) manufacturing	<1	951	1,727	3,327
Paint and coating manufacturing	<1	1,409	2,240	7,446
Adhesive manufacturing	<1	1,522	2,045	6,501
Soap and other detergent manufacturing	<1	2,511	4,773	13,772
Polish and other sanitation good manufacturing	<1	2,623	3,369	6,472
Surface active agent manufacturing	<1	367	951	2,329
Toilet preparation manufacturing	<1	6,486	12,985	30,575
Printing ink manufacturing	<1	144	153	493
Explosives manufacturing	<1	22	25	77
Custom compounding of purchased resins	<1	7,674	13,775	38,204
Photographic film and chemical manufacturing	<1	687	1,177	2,750
Other miscellaneous chemical product manufacturing	<1	924	1,260	4,433
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,155	3,252	12,846
Unlaminated plastics profile shape manufacturing	<1	832	1,637	4,671
Plastics pipe and pipe fitting manufacturing	<1	110	265	874

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	446	677	1,633
Polystyrene foam product manufacturing	<1	99	162	558
Urethane and other foam product (except polystyrene) manufacturing	<1	194	305	1,064
Plastics bottle manufacturing	<1	765	1,112	4,566
Other plastics product manufacturing	<1	8,378	11,932	35,015
Tire manufacturing	<1	322	424	1,570
Rubber and plastics hoses and belting manufacturing	<1	787	1,178	4,438
Other rubber product manufacturing	<1	1,534	1,875	5,426
Pottery, ceramics, and plumbing fixture manufacturing	<1	240	370	616
Brick, tile, and other structural clay product manufacturing	<1	47	76	173
Flat glass manufacturing	<1	125	233	579
Other pressed and blown glass and glassware manufacturing	<1	759	1,240	3,059
Glass container manufacturing	<1	240	383	1,010
Glass product manufacturing made of purchased glass	<1	714	1,209	2,826
Cement manufacturing	<1	73	154	486
Ready-mix concrete manufacturing	<1	578	897	2,704
Concrete block and brick manufacturing	<1	360	587	1,118
Concrete pipe manufacturing	<1	23	36	68
Other concrete product manufacturing	<1	337	481	1,188
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	208	538	1,413
Abrasive product manufacturing	<1	242	476	970
Cut stone and stone product manufacturing	<1	325	413	886
Ground or treated mineral and earth manufacturing	<1	105	211	360
Mineral wool manufacturing	<1	119	282	664
Miscellaneous nonmetallic mineral products manufacturing	<1	71	146	340
Iron and steel mills and ferroalloy manufacturing	<1	4,614	8,516	59,527
Iron, steel pipe and tube manufacturing from purchased steel	<1	720	1,145	6,167



## Appendix

Rolled steel shape manufacturing	<1	1,167	2,551	13,634
Steel wire drawing	<1	67	100	564
Alumina refining and primary aluminum production	<1	1,127	1,501	5,823
Secondary smelting and alloying of aluminum	<1	220	323	2,053
Aluminum sheet, plate, and foil manufacturing	<1	2,031	3,318	18,257
Other aluminum rolling, drawing and extruding	<1	228	278	1,311
Nonferrous metal (exc aluminum) smelting and refining	<1	149	473	1,972
Copper rolling, drawing, extruding and alloying	<1	13,303	20,905	185,845
Nonferrous metal, except copper and aluminum, shaping	<1	211	238	956
Secondary processing of other nonferrous metals	<1	183	262	1,353
Ferrous metal foundries	<1	6,461	8,343	20,475
Nonferrous metal foundries	<1	3,899	4,516	12,228
Custom roll forming	<1	739	1,000	5,587
Crown and closure manufacturing and metal stamping	<1	4,356	5,335	15,061
Iron and steel forging	<1	3,710	4,679	12,954
Nonferrous forging	<1	688	834	2,665
Cutlery, utensil, pot, and pan manufacturing	<1	373	639	2,429
Handtool manufacturing	<1	535	773	2,004
Prefabricated metal buildings and components manufacturing	<1	37	48	169
Fabricated structural metal manufacturing	<1	1,063	1,445	4,687
Plate work manufacturing	<1	764	858	2,576
Metal window and door manufacturing	<1	398	515	1,492
Sheet metal work manufacturing	<1	1,653	2,055	5,525
Ornamental and architectural metal work manufacturing	<1	334	385	991
Power boiler and heat exchanger manufacturing	<1	105	133	371
Metal tank (heavy gauge) manufacturing	<1	270	316	837
Metal cans manufacturing	<1	555	928	4,709
Metal barrels, drums and pails manufacturing	<1	1,147	1,435	5,138
Hardware manufacturing	<1	305	412	1,473
Spring and wire product manufacturing	<1	2,274	2,810	8,869

## Appendix

Machine shops	<1	7,404	8,382	17,032
Turned product and screw, nut, and bolt manufacturing	<1	3,371	4,084	11,646
Metal heat treating	<1	519	640	1,637
Metal coating and nonprecious engraving	<1	969	1,481	4,629
Electroplating, anodizing, and coloring metal	<1	1,604	1,730	3,876
Valve and fittings, other than plumbing, manufacturing	3	288,376	408,492	1,170,714
Plumbing fixture fitting and trim manufacturing	<1	39	74	292
Ball and roller bearing manufacturing	<1	516	742	2,113
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	81	144	368
Fabricated pipe and pipe fitting manufacturing	<1	3,711	4,348	12,542
Other fabricated metal manufacturing	<1	15,462	18,934	50,337
Farm machinery and equipment manufacturing	<1	<1	1	6
Lawn and garden equipment manufacturing	<1	12	24	89
Construction machinery manufacturing	<1	2	5	12
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	1
Semiconductor machinery manufacturing	<1	4	5	15
Food product machinery manufacturing	<1	2	2	7
Sawmill, woodworking, and paper machinery	<1	8	10	26
Printing machinery and equipment manufacturing	<1	18	21	62
All other industrial machinery manufacturing	<1	87	119	300
Optical instrument and lens manufacturing	<1	4,358	7,080	17,530
Photographic and photocopying equipment manufacturing	<1	5	7	20
Other commercial service industry machinery manufacturing	<1	126	229	656

## Appendix

Air purification and ventilation equipment manufacturing	<1	54	76	172
Heating equipment (except warm air furnaces) manufacturing	<1	163	286	700
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	378	722	2,037
Industrial mold manufacturing	<1	172	219	431
Special tool, die, jig, and fixture manufacturing	<1	135	191	357
Cutting tool and machine tool accessory manufacturing	<1	463	566	1,210
Machine tool manufacturing	<1	46	63	179
Rolling mill and other metalworking machinery manufacturing	<1	15	22	46
Turbine and turbine generator set units manufacturing	<1	2	3	8
Speed changer, industrial high-speed drive, and gear manufacturing	<1	49	75	184
Mechanical power transmission equipment manufacturing	<1	191	296	652
Other engine equipment manufacturing	<1	8	23	72
Pump and pumping equipment manufacturing	<1	29	54	139
Air and gas compressor manufacturing	<1	6	8	20
Elevator and moving stairway manufacturing	<1	64	87	203
Conveyor and conveying equipment manufacturing	<1	26	31	77
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	2	6
Industrial truck, trailer, and stacker manufacturing	<1	8	15	35
Power-driven handtool manufacturing	<1	16	46	89
Welding and soldering equipment manufacturing	<1	1	2	7
Packaging machinery manufacturing	<1	77	124	310
Industrial process furnace and oven manufacturing	<1	6,967	8,754	20,509
Fluid power cylinder and actuator manufacturing	<1	61	95	261
Fluid power pump and motor manufacturing	<1	14	24	57

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	57	74	190
Electronic computer manufacturing	<1	87	121	457
Computer storage device manufacturing	<1	1	2	9
Computer terminals and other computer peripheral equipment manufacturing	<1	48	64	170
Telephone apparatus manufacturing	<1	10	16	52
Broadcast and wireless communications equipment manufacturing	<1	17	22	63
Other communications equipment manufacturing	<1	143	208	548
Audio and video equipment manufacturing	<1	17	27	133
Printed circuit assembly (electronic assembly) manufacturing	<1	776	1,123	4,856
Bare printed circuit board manufacturing	<1	118	145	421
Semiconductor and related device manufacturing	<1	409	609	2,946
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	71	86	279
Electronic connector manufacturing	<1	126	160	488
Other electronic component manufacturing	<1	14,965	18,444	41,935
Electromedical and electrotherapeutic apparatus manufacturing	<1	47	68	190
Search, detection, and navigation instruments manufacturing	<1	70	94	244
Automatic environmental control manufacturing	<1	834	1,052	2,283
Industrial process variable instruments manufacturing	<1	195	256	651
Totalizing fluid meter and counting device manufacturing	<1	9	17	37
Electricity and signal testing instruments manufacturing	<1	830	995	2,693
Analytical laboratory instrument manufacturing	<1	47,888	71,940	171,347
Irradiation apparatus manufacturing	<1	<1	<1	4

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	36	49	190
Blank magnetic and optical recording media manufacturing	<1	204	556	2,788
Software and other prerecorded and record reproducing	<1	182	247	685
Electric lamp bulb and part manufacturing	<1	32	53	160
Lighting fixture manufacturing	<1	431	568	1,806
Small electrical appliance manufacturing	<1	113	234	731
Household cooking appliance manufacturing	<1	3	8	27
Household refrigerator and home freezer manufacturing	<1	4	10	29
Household laundry equipment manufacturing	<1	13	22	85
Other major household appliance manufacturing	<1	2	6	16
Power, distribution, and specialty transformer manufacturing	<1	21	28	78
Motor and generator manufacturing	<1	90	160	464
Switchgear and switchboard apparatus manufacturing	<1	49	85	220
Relay and industrial control manufacturing	<1	279	361	951
Storage battery manufacturing	<1	21	33	83
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	398	565	1,515
Other communication and energy wire manufacturing	<1	778	1,400	5,599
Wiring device manufacturing	<1	767	1,558	3,891
Carbon and graphite product manufacturing	<1	159	235	777
All other miscellaneous electrical equipment and component manufacturing	<1	37	43	134
Automobile manufacturing	<1	58	32	650
Light truck and utility vehicle manufacturing	<1	12	7	202
Heavy duty truck manufacturing	<1	<1	<1	3
Motor vehicle body manufacturing	<1	5	5	21
Truck trailer manufacturing	<1	3	3	13
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	58	55	256

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	85	81	615
Motor vehicle electrical and electronic equipment manufacturing	<1	224	268	1,253
Motor vehicle transmission and power train parts manufacturing	<1	21	19	170
Motor vehicle seating and interior trim manufacturing	<1	26	27	148
Motor vehicle metal stamping	<1	84	81	300
Other motor vehicle parts manufacturing	<1	530	479	2,767
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	737	679	3,454
Aircraft manufacturing	<1	28	59	148
Aircraft engine and engine parts manufacturing	<1	700	2,010	4,631
Other aircraft parts and auxiliary equipment manufacturing	2	314,977	463,237	769,749
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	56	83	192
Boat building	<1	48	79	248
Motorcycle, bicycle, and parts manufacturing	<1	<1	2	4
Military armored vehicle, tank, and tank component manufacturing	<1	78	194	488
All other transportation equipment manufacturing	<1	48	116	391
Wood kitchen cabinet and countertop manufacturing	<1	780	851	2,266
Upholstered household furniture manufacturing	<1	155	166	567
Nonupholstered wood household furniture manufacturing	<1	105	112	315
Other household nonupholstered furniture manufacturing	<1	35	45	216
Institutional furniture manufacturing	<1	8	9	27
Wood office furniture manufacturing	<1	1	1	4

## Appendix

Custom architectural woodwork and millwork	<1	29	28	68
Office furniture, except wood, manufacturing	<1	32	36	140
Showcase, partition, shelving, and locker manufacturing	<1	113	123	301
Mattress manufacturing	<1	160	209	1,044
Blind and shade manufacturing	<1	19	19	70
Surgical and medical instrument manufacturing	<1	281	451	753
Surgical appliance and supplies manufacturing	<1	2,952	5,930	9,661
Dental equipment and supplies manufacturing	<1	46	81	174
Ophthalmic goods manufacturing	<1	83	171	361
Dental laboratories	<1	249	290	483
Jewelry and silverware manufacturing	<1	580	978	2,086
Sporting and athletic goods manufacturing	<1	50	77	214
Doll, toy, and game manufacturing	<1	77	158	370
Office supplies (except paper) manufacturing	<1	252	407	978
Sign manufacturing	<1	476	465	1,015
Gasket, packing, and sealing device manufacturing	<1	145	168	354
Musical instrument manufacturing	<1	31	36	77
Fasteners, buttons, needles, and pins manufacturing	<1	35	43	111
Broom, brush, and mop manufacturing	<1	352	573	1,199
Burial casket manufacturing	<1	22	34	53
All other miscellaneous manufacturing	<1	382	557	1,314
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,160	12,981	28,240
Wholesale - Professional and commercial equipment and supplies	<1	60,779	95,091	153,760
Wholesale - Household appliances and electrical and electronic goods	<1	17,006	38,900	81,867
Wholesale - Machinery, equipment, and supplies	<1	32,581	58,772	99,827
Wholesale - Other durable goods merchant wholesalers	<1	57,550	103,663	203,938

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	19,678	41,593	84,373
Wholesale - Grocery and related product wholesalers	<1	23,908	33,920	63,437
Wholesale - Petroleum and petroleum products	<1	2,084	57,005	62,518
Wholesale - Other nondurable goods merchant wholesalers	<1	37,311	91,369	150,733
Wholesale - Wholesale electronic markets and agents and brokers	<1	20,480	22,741	26,626
Retail - Motor vehicle and parts dealers	<1	18,365	24,797	33,497
Retail - Furniture and home furnishings stores	<1	10,311	13,594	21,775
Retail - Electronics and appliance stores	<1	12,349	10,530	15,959
Retail - Building material and garden equipment and supplies stores	<1	11,223	21,202	29,725
Retail - Food and beverage stores	<1	38,752	52,434	80,732
Retail - Health and personal care stores	<1	20,771	25,925	37,428
Retail - Gasoline stores	<1	7,918	16,022	29,501
Retail - Clothing and clothing accessories stores	<1	16,734	25,592	48,875
Retail - Sporting goods, hobby, musical instrument and book stores	<1	13,068	14,852	19,915
Retail - General merchandise stores	<1	22,004	34,109	54,996
Retail - Miscellaneous store retailers	<1	19,405	19,124	28,368
Retail - Nonstore retailers	<1	17,289	84,091	126,714
Air transportation	<1	19,913	49,861	85,013
Rail transportation	<1	4,376	6,645	16,515
Water transportation	<1	2,582	12,408	20,727
Truck transportation	<1	55,958	80,992	158,218
Transit and ground passenger transportation	<1	26,043	29,153	41,633
Pipeline transportation	<1	3,412	9,233	13,916
Scenic and sightseeing transportation and support activities for transportation	<1	38,279	31,064	43,765
Couriers and messengers	<1	21,516	45,542	52,367
Warehousing and storage	<1	36,801	39,258	70,889
Newspaper publishers	<1	4,937	8,498	10,686
Periodical publishers	<1	5,524	8,581	12,183
Book publishers	<1	3,918	10,747	17,880



## Appendix

Directory, mailing list, and other publishers	<1	1,665	3,988	6,558
Greeting card publishing	<1	20	66	99
Software publishers	<1	28,362	53,566	70,992
Motion picture and video industries	<1	9,823	14,982	27,233
Sound recording industries	<1	1,207	7,369	11,107
Radio and television broadcasting	<1	21,310	28,008	46,396
Cable and other subscription programming	<1	11,198	51,034	93,844
Wired telecommunications carriers	<1	22,491	46,216	72,126
Wireless telecommunications carriers (except satellite)	<1	2,021	16,559	34,865
Satellite, telecommunications resellers, and all other telecommunications	<1	5,344	5,759	12,257
Data processing, hosting, and related services	<1	34,815	71,147	157,217
News syndicates, libraries, archives and all other information services	<1	4,495	7,074	12,429
Internet publishing and broadcasting and web search portals	<1	26,175	66,844	192,061
Nondepository credit intermediation and related activities	<1	30,952	33,211	48,309
Securities and commodity contracts intermediation and brokerage	<1	104,687	98,314	151,461
Monetary authorities and depository credit intermediation	<1	102,190	159,661	261,306
Other financial investment activities	<1	53,186	64,112	124,077
Direct life insurance carriers	<1	10,579	20,864	26,262
Insurance carriers, except direct life	<1	43,132	130,756	230,076
Insurance agencies, brokerages, and related activities	<1	45,641	71,422	128,771
Funds, trusts, and other financial vehicles	<1	7,542	10,250	54,779
Other real estate	4	120,103	351,210	812,795
Tenant-occupied housing	<1	14,656	132,091	143,808
Owner-occupied dwellings	0	0	461,802	557,319
Automotive equipment rental and leasing	<1	8,030	26,529	31,501

## Appendix

General and consumer goods rental except video tapes and discs	<1	6,834	11,658	16,282
Video tape and disc rental	<1	2,026	3,199	4,828
Commercial and industrial machinery and equipment rental and leasing	<1	8,809	23,853	29,322
Lessors of nonfinancial intangible assets	<1	986	25,555	26,626
Legal services	<1	100,596	158,906	212,660
Accounting, tax preparation, bookkeeping, and payroll services	<1	56,952	75,233	101,093
Architectural, engineering, and related services	<1	56,412	64,436	106,070
Specialized design services	<1	6,191	11,991	19,206
Custom computer programming services	<1	83,975	87,717	114,862
Computer systems design services	<1	37,816	37,499	45,808
Other computer related services, including facilities management	<1	18,061	25,045	40,690
Management consulting services	2	261,095	275,899	396,758
Environmental and other technical consulting services	<1	16,815	19,321	28,129
Scientific research and development services	11	1,737,064	2,142,471	3,408,919
Advertising, public relations, and related services	<1	43,238	71,930	128,522
Photographic services	<1	1,090	3,483	6,259
Veterinary services	<1	5,359	6,274	8,915
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	46,982	82,642	138,598
Management of companies and enterprises	1	253,579	284,447	393,355
Office administrative services	<1	49,917	25,730	45,039
Facilities support services	<1	8,201	11,397	20,854
Employment services	2	138,136	198,520	295,527
Business support services	<1	32,313	29,372	39,773
Travel arrangement and reservation services	<1	6,597	11,086	27,836
Investigation and security services	<1	23,204	24,340	32,566
Services to buildings	<1	25,700	38,937	69,518
Landscape and horticultural services	<1	18,222	23,687	39,321
Other support services	<1	16,143	21,538	36,299
Waste management and remediation services	<1	12,487	21,340	38,882

## Appendix

Elementary and secondary schools	<1	29,317	25,771	29,954
Junior colleges, colleges, universities, and professional schools	17	878,584	1,155,194	1,543,530
Other educational services	<1	20,632	24,198	41,499
Offices of physicians	<1	131,298	134,857	183,511
Offices of dentists	<1	25,604	28,999	38,528
Offices of other health practitioners	<1	23,148	30,777	39,099
Outpatient care centers	<1	30,220	30,253	45,763
Medical and diagnostic laboratories	<1	11,937	16,352	22,589
Home health care services	<1	32,378	32,839	41,567
Other ambulatory health care services	<1	7,268	8,192	12,007
Hospitals	2	186,627	220,024	388,499
Nursing and community care facilities	<1	29,296	32,583	48,066
Residential mental retardation, mental health, substance abuse and other facilities	<1	17,050	17,855	24,411
Individual and family services	<1	42,042	37,842	49,879
Child day care services	<1	16,619	24,057	30,932
Community food, housing, and other relief services, including rehabilitation services	<1	8,218	8,406	16,240
Performing arts companies	<1	2,824	5,388	8,927
Commercial Sports Except Racing	<1	13,329	9,193	15,684
Racing and Track Operation	<1	772	1,589	2,594
Independent artists, writers, and performers	<1	2,431	8,012	10,781
Promoters of performing arts and sports and agents for public figures	<1	3,166	9,122	16,784
Museums, historical sites, zoos, and parks	<1	755	914	1,621
Amusement parks and arcades	<1	879	1,693	2,030
Gambling industries (except casino hotels)	<1	7,757	21,916	28,103
Other amusement and recreation industries	<1	7,506	6,214	9,058
Fitness and recreational sports centers	<1	4,970	6,491	9,913
Bowling centers	<1	521	776	1,172
Hotels and motels, including casino hotels	<1	9,611	17,290	24,995
Other accommodations	<1	2,394	2,983	3,720

## Appendix

Full-service restaurants	1	51,603	71,284	130,661
Limited-service restaurants	<1	32,238	46,176	100,819
All other food and drinking places	<1	40,756	53,737	82,372
Automotive repair and maintenance, except car washes	<1	36,304	39,317	53,595
Car washes	<1	17,743	24,222	34,075
Electronic and precision equipment repair and maintenance	<1	10,993	14,336	20,202
Commercial and industrial machinery and equipment repair and maintenance	<1	16,304	17,988	24,272
Personal and household goods repair and maintenance	<1	4,759	8,298	11,063
Personal care services	<1	16,086	8,462	10,752
Death care services	<1	4,032	2,476	3,316
Dry-cleaning and laundry services	<1	7,718	4,316	5,604
Other personal services	<1	8,457	10,467	14,210
Religious organizations	<1	50,863	22,942	72,381
Grantmaking, giving, and social advocacy organizations	<1	9,211	24,900	33,995
Business and professional associations	<1	11,001	16,420	25,187
Labor and civic organizations	<1	9,942	25,727	41,358
Private households	<1	6,245	6,245	6,245
Postal service	<1	20,360	20,458	20,466
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	414	931	1,961
State government passenger transit	<1	62,343	-1,005	19,688
State government electric utilities	0	0	0	0
Other state government enterprises	<1	34,024	34,561	58,663
Local government passenger transit	<1	539	-23	213
Local government electric utilities	<1	123	269	579
Other local government enterprises	<1	11,153	11,582	36,015
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	455,288	818,305	1,497,480

## Investments in Climate Change Research and Technology

**Table 717: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>105</i>	<i>10,238,910</i>	<i>14,967,780</i>	<i>25,565,394</i>
Oilseed farming	<1	404	1,684	1,959
Grain farming	<1	279	824	1,757
Vegetable and melon farming	<1	1,114	2,545	3,743
Fruit farming	<1	646	1,393	1,620
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	1,102	2,386	3,766
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	177	343	571
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	52	173	310
Dairy cattle and milk production	<1	19	53	190
Poultry and egg production	<1	106	316	2,129
Animal production, except cattle and poultry and eggs	<1	1,300	3,761	4,186
Forestry, forest products, and timber tract production	<1	468	497	647

## Appendix

Commercial logging	<1	208	223	312
Commercial fishing	<1	1,068	1,680	1,697
Commercial hunting and trapping	<1	47	59	68
Support activities for agriculture and forestry	<1	4,907	5,254	5,674
Oil and gas extraction	<1	11,958	-204	9,758
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	4,800	1,841	6,566
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,554	1,205	2,271
Sand and gravel mining	<1	900	898	1,279
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	44	46	63
Phosphate rock mining	<1	16	17	25
Other chemical and fertilizer mineral mining	<1	13	14	20
Other nonmetallic minerals	<1	108	115	165
Drilling oil and gas wells	<1	2	0	2
Support activities for oil and gas operations	<1	8	2	6
Metal mining services	<1	503	-7	564
Other nonmetallic minerals services	<1	7	<1	7
Electric power generation - Hydroelectric	<1	46	103	164
Electric power generation - Fossil fuel	<1	2,933	10,921	21,251
Electric power generation - Nuclear	<1	7,092	15,285	28,125
Electric power generation - Solar	<1	763	1,916	3,291
Electric power generation - Wind	<1	144	1,050	1,660
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	58	160	338
Electric power generation - All other	<1	571	141	279
Electric power transmission and distribution	<1	22,126	73,314	146,999

## Appendix

Natural gas distribution	<1	18,710	63,843	121,125
Water, sewage and other systems	<1	7,248	13,808	20,032
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	23,420	28,658	72,276
Maintenance and repair construction of residential structures	<1	9,075	11,332	26,484
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	11	14	34
Dog and cat food manufacturing	<1	233	524	2,314
Other animal food manufacturing	<1	1,011	1,967	10,164
Flour milling	<1	168	306	1,488
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	1,768	3,276	26,450
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	206	467	6,048
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	537	707	2,883

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	28	39	273
Confectionery manufacturing from purchased chocolate	<1	287	381	1,894
Frozen fruits, juices and vegetables manufacturing	<1	623	1,099	5,224
Frozen specialties manufacturing	<1	1,169	1,495	6,725
Canned fruits and vegetables manufacturing	<1	816	1,360	5,335
Canned specialties	<1	80	157	936
Dehydrated food products manufacturing	<1	27	44	224
Cheese manufacturing	<1	799	1,069	12,155
Dry, condensed, and evaporated dairy product manufacturing	<1	74	150	1,117
Fluid milk manufacturing	<1	679	968	5,292
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	140	186	1,150
Frozen cakes and other pastries manufacturing	<1	1,797	2,468	4,489
Poultry processing	<1	499	585	2,660
Animal, except poultry, slaughtering	<1	991	1,263	7,682
Meat processed from carcasses	<1	3,628	3,575	24,185
Rendering and meat byproduct processing	<1	268	326	1,416
Seafood product preparation and packaging	<1	570	716	3,643
Bread and bakery product, except frozen, manufacturing	<1	6,170	8,297	20,619
Cookie and cracker manufacturing	<1	714	927	3,781
Dry pasta, mixes, and dough manufacturing	<1	730	1,420	5,721
Tortilla manufacturing	<1	68	87	364
Roasted nuts and peanut butter manufacturing	<1	649	1,479	5,878
Other snack food manufacturing	<1	972	2,055	8,464
Coffee and tea manufacturing	<1	570	902	4,208
Flavoring syrup and concentrate manufacturing	<1	462	2,570	6,856
Mayonnaise, dressing, and sauce manufacturing	<1	218	367	1,489
Spice and extract manufacturing	<1	2,038	2,939	9,957
All other food manufacturing	<1	1,953	2,573	12,299
Bottled and canned soft drinks & water	<1	1,810	2,818	12,961
Manufactured ice	<1	106	65	333



## Appendix

Breweries	<1	1,100	2,013	5,574
Wineries	<1	482	800	3,765
Distilleries	<1	549	2,146	4,916
Tobacco product manufacturing	<1	223	3,934	5,996
Fiber, yarn, and thread mills	<1	55	63	254
Broadwoven fabric mills	<1	106	119	474
Narrow fabric mills and schiffli machine embroidery	<1	13	13	38
Nonwoven fabric mills	<1	35	39	153
Knit fabric mills	<1	34	36	107
Textile and fabric finishing mills	<1	129	140	521
Fabric coating mills	<1	151	164	656
Carpet and rug mills	<1	69	79	225
Curtain and linen mills	<1	373	385	1,047
Textile bag and canvas mills	<1	328	344	1,194
Rope, cordage, twine, tire cord and tire fabric mills	<1	120	123	479
Other textile product mills	<1	628	655	1,819
Hosiery and sock mills	<1	61	67	154
Other apparel knitting mills	<1	58	68	162
Cut and sew apparel contractors	<1	299	295	573
Men's and boys' cut and sew apparel manufacturing	<1	205	178	482
Women's and girls' cut and sew apparel manufacturing	<1	233	104	779
Other cut and sew apparel manufacturing	<1	139	111	385
Apparel accessories and other apparel manufacturing	<1	459	339	1,102
Leather and hide tanning and finishing	<1	17	9	85
Footwear manufacturing	<1	122	115	353
Other leather and allied product manufacturing	<1	37	33	90
Sawmills	<1	66	50	341
Wood preservation	<1	125	53	950
Veneer and plywood manufacturing	<1	15	13	54
Engineered wood member and truss manufacturing	<1	115	95	461
Reconstituted wood product manufacturing	<1	85	32	732
Wood windows and door manufacturing	<1	1,713	1,534	5,171
Cut stock, resawing lumber, and planing	0	0	0	0

Appendix

Other millwork, including flooring	<1	334	277	1,169
Wood container and pallet manufacturing	<1	593	522	1,811
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	22	17	86
All other miscellaneous wood product manufacturing	<1	606	527	2,158
Pulp mills	0	0	0	0
Paper mills	<1	555	958	4,243
Paperboard mills	<1	109	177	941
Paperboard container manufacturing	<1	3,940	5,246	23,849
Paper bag and coated and treated paper manufacturing	<1	3,224	4,265	16,738
Stationery product manufacturing	<1	338	401	1,574
Sanitary paper product manufacturing	<1	5,177	8,993	22,327
All other converted paper product manufacturing	<1	219	309	1,239
Printing	<1	14,382	22,975	39,999
Support activities for printing	<1	1,243	1,988	2,820
Petroleum refineries	<1	5,568	33,096	156,951
Asphalt paving mixture and block manufacturing	<1	450	592	2,045
Asphalt shingle and coating materials manufacturing	<1	179	456	1,204
Petroleum lubricating oil and grease manufacturing	<1	24,324	50,829	131,258
All other petroleum and coal products manufacturing	<1	702	1,743	4,839
Petrochemical manufacturing	<1	1,282	8,729	33,970
Industrial gas manufacturing	<1	1,951	3,855	9,926
Synthetic dye and pigment manufacturing	<1	120	169	457
Other basic inorganic chemical manufacturing	<1	1,094	1,632	4,590
Other basic organic chemical manufacturing	<1	5,931	10,475	56,796
Plastics material and resin manufacturing	<1	1,805	2,488	13,473
Synthetic rubber manufacturing	<1	14	18	84
Artificial and synthetic fibers and filaments manufacturing	<1	0	0	<1
Nitrogenous fertilizer manufacturing	<1	32	75	281

## Appendix

Phosphatic fertilizer manufacturing	<1	53	99	349
Fertilizer mixing	<1	57	83	211
Pesticide and other agricultural chemical manufacturing	<1	899	2,056	9,458
Medicinal and botanical manufacturing	<1	8,087	9,814	21,699
Pharmaceutical preparation manufacturing	<1	50,031	85,149	179,663
In-vitro diagnostic substance manufacturing	<1	1,002	1,183	2,429
Biological product (except diagnostic) manufacturing	<1	777	1,532	3,126
Paint and coating manufacturing	<1	1,364	1,946	6,616
Adhesive manufacturing	<1	990	1,262	4,212
Soap and other detergent manufacturing	<1	2,833	5,029	16,980
Polish and other sanitation good manufacturing	<1	3,508	4,275	8,692
Surface active agent manufacturing	<1	571	1,435	3,677
Toilet preparation manufacturing	<1	8,810	16,477	40,344
Printing ink manufacturing	<1	184	198	635
Explosives manufacturing	<1	30	34	103
Custom compounding of purchased resins	<1	3,933	4,987	17,613
Photographic film and chemical manufacturing	<1	925	1,534	3,920
Other miscellaneous chemical product manufacturing	<1	1,986	2,558	8,899
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,818	4,295	17,642
Unlaminated plastics profile shape manufacturing	<1	1,233	2,408	7,228
Plastics pipe and pipe fitting manufacturing	<1	139	326	1,081
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	209	312	780
Polystyrene foam product manufacturing	<1	131	210	758
Urethane and other foam product (except polystyrene) manufacturing	<1	291	448	1,623
Plastics bottle manufacturing	<1	488	707	3,031
Other plastics product manufacturing	<1	8,568	11,771	36,556
Tire manufacturing	<1	450	560	2,207

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	68	101	378
Other rubber product manufacturing	<1	1,545	1,874	5,335
Pottery, ceramics, and plumbing fixture manufacturing	<1	311	474	796
Brick, tile, and other structural clay product manufacturing	<1	70	118	262
Flat glass manufacturing	<1	257	493	1,254
Other pressed and blown glass and glassware manufacturing	<1	1,572	2,539	6,318
Glass container manufacturing	<1	372	589	1,551
Glass product manufacturing made of purchased glass	<1	1,656	2,904	6,575
Cement manufacturing	<1	99	223	683
Ready-mix concrete manufacturing	<1	912	1,475	4,345
Concrete block and brick manufacturing	<1	463	794	1,478
Concrete pipe manufacturing	<1	42	67	121
Other concrete product manufacturing	<1	575	854	2,043
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	242	660	1,705
Abrasive product manufacturing	<1	189	397	789
Cut stone and stone product manufacturing	<1	508	660	1,407
Ground or treated mineral and earth manufacturing	<1	79	177	290
Mineral wool manufacturing	<1	179	460	1,082
Miscellaneous nonmetallic mineral products manufacturing	<1	97	219	510
Iron and steel mills and ferroalloy manufacturing	<1	1,364	2,551	18,249
Iron, steel pipe and tube manufacturing from purchased steel	<1	209	338	1,759
Rolled steel shape manufacturing	<1	291	655	3,363
Steel wire drawing	<1	32	48	267
Alumina refining and primary aluminum production	<1	500	665	2,512
Secondary smelting and alloying of aluminum	<1	110	163	1,050
Aluminum sheet, plate, and foil manufacturing	<1	599	978	5,330
Other aluminum rolling, drawing and extruding	<1	67	85	396
Nonferrous metal (exc aluminum) smelting and refining	<1	53	211	797

## Appendix

Copper rolling, drawing, extruding and alloying	<1	2,287	3,767	35,594
Nonferrous metal, except copper and aluminum, shaping	<1	937	1,071	4,327
Secondary processing of other nonferrous metals	<1	46	71	357
Ferrous metal foundries	<1	237	307	767
Nonferrous metal foundries	<1	417	489	1,349
Custom roll forming	<1	188	252	1,379
Crown and closure manufacturing and metal stamping	<1	8,439	10,331	30,000
Iron and steel forging	<1	345	432	1,257
Nonferrous forging	<1	71	85	279
Cutlery, utensil, pot, and pan manufacturing	<1	255	460	1,785
Handtool manufacturing	<1	380	540	1,483
Prefabricated metal buildings and components manufacturing	<1	43	59	202
Fabricated structural metal manufacturing	<1	816	1,094	3,625
Plate work manufacturing	<1	311	347	1,081
Metal window and door manufacturing	<1	431	552	1,678
Sheet metal work manufacturing	<1	6,346	7,988	22,654
Ornamental and architectural metal work manufacturing	<1	443	515	1,373
Power boiler and heat exchanger manufacturing	<1	78	97	274
Metal tank (heavy gauge) manufacturing	<1	100	116	329
Metal cans manufacturing	<1	310	508	2,637
Metal barrels, drums and pails manufacturing	<1	531	656	2,493
Hardware manufacturing	<1	207	281	1,022
Spring and wire product manufacturing	<1	835	1,029	3,279
Machine shops	<1	7,517	8,516	17,572
Turned product and screw, nut, and bolt manufacturing	<1	1,212	1,466	4,266
Metal heat treating	<1	515	628	1,591
Metal coating and nonprecious engraving	<1	984	1,471	4,763
Electroplating, anodizing, and coloring metal	<1	1,535	1,652	3,725
Valve and fittings, other than plumbing, manufacturing	<1	602	800	2,301
Plumbing fixture fitting and trim manufacturing	<1	49	93	361

## Appendix

Ball and roller bearing manufacturing	<1	234	335	965
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	95	166	455
Fabricated pipe and pipe fitting manufacturing	<1	94	112	323
Other fabricated metal manufacturing	<1	13,627	17,196	47,312
Farm machinery and equipment manufacturing	<1	1	3	15
Lawn and garden equipment manufacturing	<1	15	30	118
Construction machinery manufacturing	<1	2	6	15
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	1	2	3
Semiconductor machinery manufacturing	<1	7	9	28
Food product machinery manufacturing	<1	3	3	9
Sawmill, woodworking, and paper machinery	<1	12	14	41
Printing machinery and equipment manufacturing	<1	7	8	23
All other industrial machinery manufacturing	<1	84	116	288
Optical instrument and lens manufacturing	<1	15,025	25,172	61,016
Photographic and photocopying equipment manufacturing	<1	8	11	34
Other commercial service industry machinery manufacturing	<1	142	261	733
Air purification and ventilation equipment manufacturing	<1	81	114	265
Heating equipment (except warm air furnaces) manufacturing	<1	125	216	566
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	492	982	2,837
Industrial mold manufacturing	<1	137	176	367
Special tool, die, jig, and fixture manufacturing	<1	71	103	199

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	328	402	886
Machine tool manufacturing	<1	29	40	115
Rolling mill and other metalworking machinery manufacturing	<1	9	13	29
Turbine and turbine generator set units manufacturing	<1	3	4	12
Speed changer, industrial high-speed drive, and gear manufacturing	<1	43	69	176
Mechanical power transmission equipment manufacturing	<1	172	274	613
Other engine equipment manufacturing	<1	8	24	80
Pump and pumping equipment manufacturing	<1	23	44	114
Air and gas compressor manufacturing	<1	5	7	17
Elevator and moving stairway manufacturing	<1	65	89	207
Conveyor and conveying equipment manufacturing	<1	34	40	105
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	2	9
Industrial truck, trailer, and stacker manufacturing	<1	14	26	63
Power-driven handtool manufacturing	<1	10	33	63
Welding and soldering equipment manufacturing	<1	1	2	7
Packaging machinery manufacturing	<1	82	134	339
Industrial process furnace and oven manufacturing	<1	34	44	93
Fluid power cylinder and actuator manufacturing	<1	9	15	42
Fluid power pump and motor manufacturing	<1	7	13	29
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	29	38	99
Electronic computer manufacturing	<1	164	223	922
Computer storage device manufacturing	<1	1	2	10
Computer terminals and other computer peripheral equipment manufacturing	<1	60	79	218
Telephone apparatus manufacturing	<1	34	52	171

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	2,795	3,521	8,100
Other communications equipment manufacturing	<1	252	356	928
Audio and video equipment manufacturing	<1	8,891	15,737	57,592
Printed circuit assembly (electronic assembly) manufacturing	<1	1,665	2,332	10,440
Bare printed circuit board manufacturing	<1	754	882	2,346
Semiconductor and related device manufacturing	<1	1,067	1,579	7,695
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,757	3,262	9,667
Electronic connector manufacturing	<1	760	944	2,968
Other electronic component manufacturing	<1	34,708	42,275	108,111
Electromedical and electrotherapeutic apparatus manufacturing	<1	58	82	237
Search, detection, and navigation instruments manufacturing	<1	397	569	1,453
Automatic environmental control manufacturing	<1	403	501	1,124
Industrial process variable instruments manufacturing	<1	136	177	457
Totalizing fluid meter and counting device manufacturing	<1	18	31	74
Electricity and signal testing instruments manufacturing	<1	20,107	25,010	60,097
Analytical laboratory instrument manufacturing	<1	108,427	161,890	396,168
Irradiation apparatus manufacturing	<1	1	1	5
Watch, clock, and other measuring and controlling device manufacturing	<1	60	81	327
Blank magnetic and optical recording media manufacturing	<1	164	487	2,531
Software and other prerecorded and record reproducing	<1	173	233	689
Electric lamp bulb and part manufacturing	<1	39	62	194
Lighting fixture manufacturing	<1	462	596	2,034
Small electrical appliance manufacturing	<1	130	267	861



## Appendix

Household cooking appliance manufacturing	<1	3	10	33
Household refrigerator and home freezer manufacturing	<1	5	11	35
Household laundry equipment manufacturing	<1	17	26	108
Other major household appliance manufacturing	<1	2	5	15
Power, distribution, and specialty transformer manufacturing	<1	29	41	117
Motor and generator manufacturing	<1	116	204	598
Switchgear and switchboard apparatus manufacturing	<1	58	101	271
Relay and industrial control manufacturing	<1	275	356	1,011
Storage battery manufacturing	<1	26	40	106
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	458	659	1,844
Other communication and energy wire manufacturing	<1	474	797	3,486
Wiring device manufacturing	<1	1,987	3,696	9,814
Carbon and graphite product manufacturing	<1	116	176	578
All other miscellaneous electrical equipment and component manufacturing	3	242,655	278,727	851,825
Automobile manufacturing	<1	104	68	1,304
Light truck and utility vehicle manufacturing	<1	22	16	418
Heavy duty truck manufacturing	<1	<1	<1	5
Motor vehicle body manufacturing	<1	7	7	32
Truck trailer manufacturing	<1	5	5	20
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	123	121	547
Motor vehicle gasoline engine and engine parts manufacturing	<1	121	115	888
Motor vehicle electrical and electronic equipment manufacturing	<1	448	534	2,716
Motor vehicle transmission and power train parts manufacturing	<1	19	19	169
Motor vehicle seating and interior trim manufacturing	<1	25	25	141
Motor vehicle metal stamping	<1	201	192	751
Other motor vehicle parts manufacturing	<1	718	670	3,851

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,008	891	4,756
Aircraft manufacturing	<1	<1	2	5
Aircraft engine and engine parts manufacturing	<1	50	133	312
Other aircraft parts and auxiliary equipment manufacturing	<1	46	70	122
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	89	133	305
Boat building	<1	101	172	538
Motorcycle, bicycle, and parts manufacturing	<1	<1	4	9
Military armored vehicle, tank, and tank component manufacturing	<1	130	340	876
All other transportation equipment manufacturing	<1	110	282	951
Wood kitchen cabinet and countertop manufacturing	<1	1,333	1,497	4,027
Upholstered household furniture manufacturing	<1	205	219	741
Nonupholstered wood household furniture manufacturing	<1	158	168	485
Other household nonupholstered furniture manufacturing	<1	54	71	359
Institutional furniture manufacturing	<1	10	10	34
Wood office furniture manufacturing	<1	2	2	6
Custom architectural woodwork and millwork	<1	41	38	97
Office furniture, except wood, manufacturing	<1	41	51	188
Showcase, partition, shelving, and locker manufacturing	<1	257	292	720
Mattress manufacturing	<1	249	326	1,651
Blind and shade manufacturing	<1	34	34	121
Surgical and medical instrument manufacturing	<1	1,335	2,079	3,908
Surgical appliance and supplies manufacturing	<1	4,063	7,905	13,504

## Appendix

Dental equipment and supplies manufacturing	<1	60	102	225
Ophthalmic goods manufacturing	<1	144	284	613
Dental laboratories	<1	350	404	680
Jewelry and silverware manufacturing	<1	914	1,500	3,240
Sporting and athletic goods manufacturing	<1	79	120	347
Doll, toy, and game manufacturing	<1	108	209	511
Office supplies (except paper) manufacturing	<1	284	444	1,217
Sign manufacturing	<1	812	780	1,752
Gasket, packing, and sealing device manufacturing	<1	173	198	428
Musical instrument manufacturing	<1	27	30	67
Fasteners, buttons, needles, and pins manufacturing	<1	37	45	114
Broom, brush, and mop manufacturing	<1	264	391	917
Burial casket manufacturing	<1	47	70	121
All other miscellaneous manufacturing	<1	527	755	1,856
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	7,978	16,963	36,427
Wholesale - Professional and commercial equipment and supplies	1	192,166	296,006	479,959
Wholesale - Household appliances and electrical and electronic goods	<1	48,690	113,108	238,797
Wholesale - Machinery, equipment, and supplies	<1	21,042	38,519	65,405
Wholesale - Other durable goods merchant wholesalers	<1	35,011	64,271	126,228
Wholesale - Drugs and druggists'sundries	<1	27,785	60,262	124,231
Wholesale - Grocery and related product wholesalers	<1	30,543	43,956	82,385
Wholesale - Petroleum and petroleum products	<1	3,134	70,300	79,292
Wholesale - Other nondurable goods merchant wholesalers	<1	44,526	106,128	179,136
Wholesale - Wholesale electronic markets and agents and brokers	<1	36,164	40,515	47,910
Retail - Motor vehicle and parts dealers	<1	25,356	34,598	47,001
Retail - Furniture and home furnishings stores	<1	13,971	18,578	30,049

Appendix

Retail - Electronics and appliance stores	<1	16,673	14,323	22,301
Retail - Building material and garden equipment and supplies stores	<1	13,870	26,864	37,881
Retail - Food and beverage stores	1	50,214	68,848	106,613
Retail - Health and personal care stores	<1	27,944	35,162	51,643
Retail - Gasoline stores	<1	10,973	23,034	43,048
Retail - Clothing and clothing accessories stores	<1	22,353	35,307	68,858
Retail - Sporting goods, hobby, musical instrument and book stores	<1	17,286	19,926	27,132
Retail - General merchandise stores	<1	30,846	48,454	78,626
Retail - Miscellaneous store retailers	<1	25,970	25,899	39,189
Retail - Nonstore retailers	<1	23,156	113,425	171,209
Air transportation	<1	30,395	72,242	126,611
Rail transportation	<1	5,198	8,893	20,793
Water transportation	<1	3,612	16,007	29,171
Truck transportation	<1	73,647	107,581	217,275
Transit and ground passenger transportation	<1	23,785	27,541	42,440
Pipeline transportation	<1	6,575	13,946	21,280
Scenic and sightseeing transportation and support activities for transportation	<1	60,028	50,646	70,415
Couriers and messengers	<1	28,826	65,180	74,772
Warehousing and storage	1	62,327	66,012	120,738
Newspaper publishers	<1	6,371	9,737	13,122
Periodical publishers	<1	5,280	6,951	11,193
Book publishers	<1	4,084	9,678	17,589
Directory, mailing list, and other publishers	<1	2,504	5,381	9,212
Greeting card publishing	<1	27	80	122
Software publishers	<1	57,492	97,730	133,966
Motion picture and video industries	<1	12,410	18,765	36,346
Sound recording industries	<1	1,328	7,880	12,617
Radio and television broadcasting	<1	28,808	37,833	70,767
Cable and other subscription programming	<1	13,688	59,338	117,446
Wired telecommunications carriers	<1	32,727	64,265	103,305

## Appendix

Wireless telecommunications carriers (except satellite)	<1	3,065	21,305	48,556
Satellite, telecommunications resellers, and all other telecommunications	<1	7,417	8,559	17,566
Data processing, hosting, and related services	<1	49,725	102,062	230,231
News syndicates, libraries, archives and all other information services	<1	5,658	8,882	15,815
Internet publishing and broadcasting and web search portals	<1	34,235	88,483	249,696
Nondepository credit intermediation and related activities	<1	40,800	43,522	65,362
Securities and commodity contracts intermediation and brokerage	1	124,831	123,017	214,449
Monetary authorities and depository credit intermediation	<1	163,649	218,377	384,708
Other financial investment activities	<1	56,739	68,360	151,454
Direct life insurance carriers	<1	15,310	29,360	39,005
Insurance carriers, except direct life	<1	59,653	175,149	328,198
Insurance agencies, brokerages, and related activities	<1	69,825	108,543	202,450
Funds, trusts, and other financial vehicles	<1	9,151	11,721	72,280
Other real estate	5	153,581	456,302	1,103,819
Tenant-occupied housing	<1	19,061	168,050	185,035
Owner-occupied dwellings	0	0	605,320	734,840
Automotive equipment rental and leasing	<1	10,705	33,508	41,499
General and consumer goods rental except video tapes and discs	<1	8,476	14,561	20,701
Video tape and disc rental	<1	2,826	4,506	6,779
Commercial and industrial machinery and equipment rental and leasing	<1	12,421	32,487	40,880
Lessors of nonfinancial intangible assets	<1	1,901	42,044	44,109
Legal services	1	177,043	267,186	365,727
Accounting, tax preparation, bookkeeping, and payroll services	<1	80,705	104,251	145,279
Architectural, engineering, and related services	<1	65,292	73,486	122,798
Specialized design services	<1	6,116	11,570	19,601

## Appendix

Custom computer programming services	<1	61,322	64,221	87,056
Computer systems design services	<1	55,485	54,874	68,732
Other computer related services, including facilities management	<1	20,646	28,834	47,418
Management consulting services	2	254,543	267,870	398,519
Environmental and other technical consulting services	<1	24,222	27,507	41,343
Scientific research and development services	20	3,129,896	3,968,800	6,332,786
Advertising, public relations, and related services	<1	60,463	98,980	184,115
Photographic services	<1	1,621	4,794	9,311
Veterinary services	<1	7,148	8,268	12,025
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	62,348	108,163	187,226
Management of companies and enterprises	2	378,389	422,995	604,161
Office administrative services	<1	59,670	28,590	55,482
Facilities support services	<1	4,005	5,540	11,628
Employment services	3	196,155	275,161	441,959
Business support services	<1	43,922	39,173	56,912
Travel arrangement and reservation services	<1	9,436	15,694	41,057
Investigation and security services	<1	26,675	27,907	38,944
Services to buildings	<1	33,232	49,049	92,246
Landscape and horticultural services	<1	22,755	29,148	50,692
Other support services	<1	16,560	21,810	38,754
Waste management and remediation services	<1	16,278	28,192	51,801
Elementary and secondary schools	<1	31,796	28,140	33,305
Junior colleges, colleges, universities, and professional schools	11	573,029	764,106	1,009,504
Other educational services	<1	22,492	26,170	46,319
Offices of physicians	1	174,421	178,519	246,498
Offices of dentists	<1	33,494	37,226	50,316
Offices of other health practitioners	<1	32,253	41,221	53,332
Outpatient care centers	<1	39,412	39,281	58,944
Medical and diagnostic laboratories	<1	16,126	21,283	30,158
Home health care services	<1	40,564	40,963	52,491

## Appendix

Other ambulatory health care services	<1	9,554	10,586	15,825
Hospitals	2	206,216	240,496	426,507
Nursing and community care facilities	<1	34,095	37,733	57,563
Residential mental retardation, mental health, substance abuse and other facilities	<1	17,424	18,211	25,674
Individual and family services	1	46,852	41,746	56,987
Child day care services	<1	19,898	27,771	36,704
Community food, housing, and other relief services, including rehabilitation services	<1	8,487	8,641	17,364
Performing arts companies	<1	3,315	6,204	11,020
Commercial Sports Except Racing	<1	18,104	11,086	19,971
Racing and Track Operation	<1	840	1,830	3,181
Independent artists, writers, and performers	<1	3,355	10,951	15,208
Promoters of performing arts and sports and agents for public figures	<1	10,709	25,687	51,304
Museums, historical sites, zoos, and parks	<1	860	1,025	1,893
Amusement parks and arcades	<1	1,101	2,103	2,567
Gambling industries (except casino hotels)	<1	9,476	26,271	34,385
Other amusement and recreation industries	<1	9,340	7,683	11,498
Fitness and recreational sports centers	<1	5,852	7,459	11,914
Bowling centers	<1	677	987	1,534
Hotels and motels, including casino hotels	<1	12,369	23,143	33,774
Other accommodations	<1	2,798	3,507	4,453
Full-service restaurants	2	68,028	95,017	177,674
Limited-service restaurants	1	43,015	62,301	140,504
All other food and drinking places	1	51,554	69,093	108,662
Automotive repair and maintenance, except car washes	<1	46,023	52,378	71,878
Car washes	<1	23,618	32,664	46,348
Electronic and precision equipment repair and maintenance	<1	17,335	22,658	32,923
Commercial and industrial machinery and equipment repair and maintenance	<1	20,885	23,621	32,952
Personal and household goods repair and maintenance	<1	5,850	11,331	14,982

## Appendix

Personal care services	<1	20,769	12,651	15,825
Death care services	<1	4,818	3,350	4,448
Dry-cleaning and laundry services	<1	10,357	6,681	8,562
Other personal services	<1	11,630	14,988	20,474
Religious organizations	<1	54,206	28,971	82,568
Grantmaking, giving, and social advocacy organizations	<1	9,012	28,802	38,495
Business and professional associations	<1	12,638	21,618	33,090
Labor and civic organizations	<1	10,258	31,777	48,988
Private households	<1	8,142	8,142	8,176
Postal service	<1	28,566	28,684	28,894
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	512	1,134	2,347
State government passenger transit	<1	24,525	-7,532	12,999
State government electric utilities	0	0	0	0
Other state government enterprises	<1	46,027	58,053	101,239
Local government passenger transit	<1	627	-50	346
Local government electric utilities	<1	178	447	946
Other local government enterprises	<1	15,023	20,950	55,959
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	607,382	882,063	1,283,806

## New Mexico

## NASA

Table 718: Detailed NASA Impacts by Types of Impact, New Mexico

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,735</i>	<i>131,047,211</i>	<i>204,207,823</i>	<i>362,404,421</i>
Oilseed farming	<1	113	119	588
Grain farming	<1	32,217	-97,019	153,528
Vegetable and melon farming	<1	36,406	73,977	90,454
Fruit farming	<1	4,850	9,029	9,296
Tree nut farming	<1	15,263	31,368	31,752
Greenhouse, nursery, and floriculture production	<1	8,904	16,095	18,517
Tobacco farming	0	0	0	0
Cotton farming	<1	5,553	7,905	9,425
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	4	41,654	59,854	84,989
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	29,039	103,055	179,509
Dairy cattle and milk production	<1	30,534	71,250	226,445
Poultry and egg production	<1	10,056	18,797	113,346
Animal production, except cattle and poultry and eggs	1	59,543	150,502	171,150
Forestry, forest products, and timber tract production	<1	2,214	2,491	3,440
Commercial logging	<1	5,958	6,459	11,080
Commercial fishing	<1	1,154	3,742	3,776
Commercial hunting and trapping	<1	721	6,955	10,297
Support activities for agriculture and forestry	3	110,396	113,804	129,066
Oil and gas extraction	2	147,683	2,543,096	3,608,393
Coal mining	<1	76,007	380,795	484,516
Copper, nickel, lead, and zinc mining	<1	119,211	857,183	1,088,145
Iron ore mining	0	0	0	0
Gold ore mining	<1	3,054	14,120	21,346
Silver ore mining	<1	292	916	1,423
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3,872	25,766	37,599
Sand and gravel mining	<1	8,002	26,403	40,203

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	1,293	2,954	4,421
Phosphate rock mining	<1	337	1,022	1,538
Other chemical and fertilizer mineral mining	<1	2,209	5,272	8,106
Other nonmetallic minerals	<1	4,542	13,050	19,838
Drilling oil and gas wells	<1	80	315	566
Support activities for oil and gas operations	<1	2,807	5,614	10,930
Metal mining services	<1	2,294	37,362	64,071
Other nonmetallic minerals services	<1	239	3,611	6,079
Electric power generation - Hydroelectric	<1	504	1,188	2,385
Electric power generation - Fossil fuel	<1	145,370	522,513	1,381,104
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	9,023	22,644	57,078
Electric power generation - Wind	<1	23,082	202,649	443,712
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	679	1,977	5,597
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	4	491,920	1,705,954	4,923,065
Natural gas distribution	1	137,974	482,656	1,198,575
Water, sewage and other systems	<1	20,300	42,607	91,209
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	194,907	281,268	798,725
Maintenance and repair construction of residential structures	3	138,513	193,854	521,505
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	33	48	138
Dog and cat food manufacturing	<1	703	2,229	7,503
Other animal food manufacturing	<1	5,018	10,269	84,475
Flour milling	<1	6,705	17,178	103,397
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	256	843	5,416
Breakfast cereal manufacturing	<1	42,017	127,959	353,497
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	240	373	1,416
Chocolate and confectionery manufacturing from cacao beans	<1	151	248	1,945
Confectionery manufacturing from purchased chocolate	<1	370	614	4,787
Frozen fruits, juices and vegetables manufacturing	<1	20,806	53,286	212,677
Frozen specialties manufacturing	<1	9,385	14,200	65,100
Canned fruits and vegetables manufacturing	<1	7,988	18,004	69,779
Canned specialties	<1	1,999	5,631	27,572
Dehydrated food products manufacturing	<1	849	1,825	8,089
Cheese manufacturing	<1	32,520	51,167	461,439
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	6,914	12,583	66,438
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	678	1,069	4,272

Appendix

Frozen cakes and other pastries manufacturing	<1	8,187	11,145	22,851
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	1,625	2,146	28,014
Meat processed from carcasses	<1	12,950	12,786	159,585
Rendering and meat byproduct processing	<1	493	535	3,275
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	29,016	43,259	113,034
Cookie and cracker manufacturing	<1	5,274	8,331	26,783
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	9,189	13,402	47,828
Roasted nuts and peanut butter manufacturing	<1	3,623	9,945	37,506
Other snack food manufacturing	<1	3,202	4,595	25,560
Coffee and tea manufacturing	<1	1,136	2,463	12,171
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	5,249	9,752	42,221
All other food manufacturing	<1	3,522	5,528	30,181
Bottled and canned soft drinks & water	<1	7,925	16,493	74,926
Manufactured ice	<1	2,043	1,747	7,377
Breweries	<1	24,216	56,003	184,184
Wineries	<1	14,974	29,753	97,873
Distilleries	<1	1,234	6,085	19,031
Tobacco product manufacturing	<1	1,769	65,703	132,152
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	23	37	632
Narrow fabric mills and schiffli machine embroidery	<1	21	25	273
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	33	48	598
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	320	516	7,965
Curtain and linen mills	<1	19	25	218
Textile bag and canvas mills	<1	511	696	2,843
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

Appendix

Other textile product mills	<1	594	719	3,285
Hosiery and sock mills	<1	48	70	164
Other apparel knitting mills	<1	50	71	179
Cut and sew apparel contractors	<1	116	126	441
Men's and boys' cut and sew apparel manufacturing	<1	97	91	544
Women's and girls' cut and sew apparel manufacturing	<1	98	43	1,023
Other cut and sew apparel manufacturing	<1	56	54	334
Apparel accessories and other apparel manufacturing	<1	217	145	1,235
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	60	59	937
Other leather and allied product manufacturing	<1	38	35	454
Sawmills	<1	2,403	1,465	29,243
Wood preservation	<1	382	18	3,894
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1,555	1,117	10,768
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	9,962	8,373	42,687
Cut stock, resawing lumber, and planing	<1	733	347	3,280
Other millwork, including flooring	<1	2,513	1,859	14,268
Wood container and pallet manufacturing	<1	3,044	2,499	14,492
Manufactured home (mobile home) manufacturing	<1	38	30	190
Prefabricated wood building manufacturing	<1	1,374	928	6,942
All other miscellaneous wood product manufacturing	<1	2,610	2,047	13,708
Pulp mills	0	0	0	0
Paper mills	<1	23,110	44,527	173,472
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	8,956	12,518	52,902
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	458	551	1,986

Appendix

Sanitary paper product manufacturing	<1	13,208	31,933	97,089
All other converted paper product manufacturing	<1	4,038	6,149	18,827
Printing	1	37,199	70,828	195,488
Support activities for printing	<1	26	57	168
Petroleum refineries	<1	71,371	162,346	3,089,089
Asphalt paving mixture and block manufacturing	<1	993	1,088	7,172
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	3,079	3,595	16,152
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	38,212	74,283	331,002
Synthetic dye and pigment manufacturing	<1	1,187	1,851	5,819
Other basic inorganic chemical manufacturing	<1	10,533	18,064	57,596
Other basic organic chemical manufacturing	<1	1,748	3,281	24,503
Plastics material and resin manufacturing	<1	287	431	3,498
Synthetic rubber manufacturing	<1	283	359	1,367
Artificial and synthetic fibers and filaments manufacturing	<1	238	312	1,766
Nitrogenous fertilizer manufacturing	<1	880	2,225	13,226
Phosphatic fertilizer manufacturing	<1	306	612	2,211
Fertilizer mixing	<1	40	64	347
Pesticide and other agricultural chemical manufacturing	<1	2,100	5,282	26,734
Medicinal and botanical manufacturing	<1	1,331	1,698	10,025
Pharmaceutical preparation manufacturing	<1	6,718	13,096	59,601
In-vitro diagnostic substance manufacturing	<1	121	148	465
Biological product (except diagnostic) manufacturing	<1	76	158	480
Paint and coating manufacturing	<1	95	151	875
Adhesive manufacturing	<1	110	146	818
Soap and other detergent manufacturing	<1	1,405	2,759	16,304
Polish and other sanitation good manufacturing	<1	320	415	1,161

Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	776	1,632	7,141
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	178	256	1,131
Photographic film and chemical manufacturing	<1	762	1,274	5,178
Other miscellaneous chemical product manufacturing	<1	823	1,090	6,412
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,882	5,533	23,013
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	212	1,500	4,139
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	165	517	2,115
Polystyrene foam product manufacturing	<1	3,026	10,697	41,507
Urethane and other foam product (except polystyrene) manufacturing	<1	2,076	6,945	27,051
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	3,916	10,045	34,775
Tire manufacturing	<1	2,030	3,339	13,669
Rubber and plastics hoses and belting manufacturing	<1	450	1,149	4,042
Other rubber product manufacturing	<1	3,651	6,649	27,920
Pottery, ceramics, and plumbing fixture manufacturing	<1	980	1,477	5,308
Brick, tile, and other structural clay product manufacturing	<1	2,844	4,496	16,552
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	8,666	13,452	36,733
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,713	2,872	11,313
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	22,664	34,582	150,000
Concrete block and brick manufacturing	<1	5,231	8,582	29,902
Concrete pipe manufacturing	<1	1,724	2,696	9,627



Appendix

Other concrete product manufacturing	<1	4,713	6,598	22,654
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	5,773	14,587	46,904
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	4,599	5,731	16,630
Ground or treated mineral and earth manufacturing	<1	2,735	5,644	16,338
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	1,925	3,987	11,828
Iron and steel mills and ferroalloy manufacturing	<1	795	1,791	21,717
Iron, steel pipe and tube manufacturing from purchased steel	<1	95	188	1,533
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	84	151	1,025
Alumina refining and primary aluminum production	<1	22	34	360
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	590	3,235	16,928
Copper rolling, drawing, extruding and alloying	<1	1,106	2,029	31,422
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	1,121	2,113	14,911
Ferrous metal foundries	<1	33	51	225
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	1,140	1,317	7,223
Iron and steel forging	<1	1,377	1,635	10,495
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	401	581	2,915
Handtool manufacturing	<1	94	119	367
Prefabricated metal buildings and components manufacturing	<1	104	128	798

Appendix

Fabricated structural metal manufacturing	<1	3,937	4,869	25,875
Plate work manufacturing	<1	2,023	2,154	6,544
Metal window and door manufacturing	<1	2,732	3,240	14,474
Sheet metal work manufacturing	<1	1,508	1,753	7,217
Ornamental and architectural metal work manufacturing	<1	3,637	4,005	16,351
Power boiler and heat exchanger manufacturing	<1	66	78	329
Metal tank (heavy gauge) manufacturing	<1	807	899	4,041
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	39	48	287
Spring and wire product manufacturing	<1	1,113	1,282	6,130
Machine shops	<1	6,350	6,897	20,079
Turned product and screw, nut, and bolt manufacturing	<1	582	657	2,271
Metal heat treating	<1	411	470	1,464
Metal coating and nonprecious engraving	<1	624	827	3,035
Electroplating, anodizing, and coloring metal	<1	2,073	2,175	6,615
Valve and fittings, other than plumbing, manufacturing	<1	2,202	2,780	12,575
Plumbing fixture fitting and trim manufacturing	<1	364	586	4,323
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	188	308	1,617
Ammunition, except for small arms, manufacturing	<1	17	19	61
Small arms, ordnance, and accessories manufacturing	<1	878	1,333	7,184
Fabricated pipe and pipe fitting manufacturing	<1	580	651	3,066
Other fabricated metal manufacturing	<1	9,170	10,450	34,264
Farm machinery and equipment manufacturing	<1	392	663	3,330
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	130	267	890
Mining machinery and equipment manufacturing	<1	184	242	837

Appendix

Oil and gas field machinery and equipment manufacturing	<1	837	1,021	4,630
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	2	2	7
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	2	2	9
All other industrial machinery manufacturing	<1	18	21	72
Optical instrument and lens manufacturing	<1	39	51	160
Photographic and photocopying equipment manufacturing	<1	13	16	59
Other commercial service industry machinery manufacturing	<1	222	324	1,232
Air purification and ventilation equipment manufacturing	<1	14	17	61
Heating equipment (except warm air furnaces) manufacturing	<1	401	576	2,297
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	36	41	114
Special tool, die, jig, and fixture manufacturing	<1	3	4	9
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	2	2	7
Speed changer, industrial high-speed drive, and gear manufacturing	<1	38	50	181
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	197	373	2,161
Pump and pumping equipment manufacturing	<1	6	10	34
Air and gas compressor manufacturing	<1	51	64	286
Elevator and moving stairway manufacturing	0	0	0	0

Appendix

Conveyor and conveying equipment manufacturing	<1	3	3	11
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	4	20
Industrial truck, trailer, and stacker manufacturing	<1	4	7	33
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	57	78	281
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	5	6	21
Electronic computer manufacturing	<1	2	3	9
Computer storage device manufacturing	<1	31	43	122
Computer terminals and other computer peripheral equipment manufacturing	<1	22,673	30,710	74,349
Telephone apparatus manufacturing	<1	4,272	6,333	18,875
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	469	657	1,311
Audio and video equipment manufacturing	<1	112	169	1,300
Printed circuit assembly (electronic assembly) manufacturing	<1	603	845	4,270
Bare printed circuit board manufacturing	<1	48	57	162
Semiconductor and related device manufacturing	2	371,619	619,562	1,899,709
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	377	443	1,515
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	-10,420	-12,954	-42,714

Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	139	195	857
Search, detection, and navigation instruments manufacturing	<1	8	12	35
Automatic environmental control manufacturing	<1	283	344	760
Industrial process variable instruments manufacturing	<1	46	59	184
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	71	83	389
Analytical laboratory instrument manufacturing	<1	13,872	19,984	53,517
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	86	111	562
Blank magnetic and optical recording media manufacturing	<1	506	1,390	10,059
Software and other prerecorded and record reproducing	<1	309	410	1,538
Electric lamp bulb and part manufacturing	<1	76	105	333
Lighting fixture manufacturing	<1	790	989	4,157
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	22	28	89
Motor and generator manufacturing	<1	131	193	782
Switchgear and switchboard apparatus manufacturing	<1	5	7	17
Relay and industrial control manufacturing	<1	97	118	354
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	2,286	11,768	17,797
Fiber optic cable manufacturing	0	0	0	0

Appendix

Other communication and energy wire manufacturing	<1	81	116	718
Wiring device manufacturing	<1	503	766	2,891
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	18	23	139
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	13	33	140
Motor vehicle body manufacturing	<1	24	36	140
Truck trailer manufacturing	<1	1	2	9
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,437	1,922	8,483
Motor vehicle gasoline engine and engine parts manufacturing	<1	81	162	1,026
Motor vehicle electrical and electronic equipment manufacturing	<1	916	1,507	6,733
Motor vehicle transmission and power train parts manufacturing	<1	154	271	1,283
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	97	140	570
Other motor vehicle parts manufacturing	<1	225	371	1,905
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	284	511	2,157
Aircraft manufacturing	<1	4	8	18
Aircraft engine and engine parts manufacturing	<1	104	301	596
Other aircraft parts and auxiliary equipment manufacturing	<1	8,873	13,611	30,307
Guided missile and space vehicle manufacturing	<1	100	198	372
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	16	73	145

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	67	172	625
Wood kitchen cabinet and countertop manufacturing	<1	1,599	1,753	6,851
Upholstered household furniture manufacturing	<1	5	5	28
Nonupholstered wood household furniture manufacturing	<1	150	158	785
Other household nonupholstered furniture manufacturing	<1	99	127	1,314
Institutional furniture manufacturing	<1	6	6	28
Wood office furniture manufacturing	<1	13	14	61
Custom architectural woodwork and millwork	<1	85	1	323
Office furniture, except wood, manufacturing	<1	150	174	1,003
Showcase, partition, shelving, and locker manufacturing	<1	273	303	1,298
Mattress manufacturing	<1	1,925	2,471	17,318
Blind and shade manufacturing	<1	241	206	1,037
Surgical and medical instrument manufacturing	<1	441	499	1,372
Surgical appliance and supplies manufacturing	<1	2,785	3,520	13,725
Dental equipment and supplies manufacturing	<1	<1	1	3
Ophthalmic goods manufacturing	<1	118	139	348
Dental laboratories	<1	731	754	1,575
Jewelry and silverware manufacturing	<1	13,598	15,883	60,883
Sporting and athletic goods manufacturing	<1	123	142	1,132
Doll, toy, and game manufacturing	<1	790	871	3,878
Office supplies (except paper) manufacturing	<1	1,307	1,498	8,652
Sign manufacturing	<1	9,358	8,593	23,987
Gasket, packing, and sealing device manufacturing	<1	438	455	1,223
Musical instrument manufacturing	<1	114	116	378
Fasteners, buttons, needles, and pins manufacturing	<1	340	345	1,038

Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	2,400	2,905	8,935
All other miscellaneous manufacturing	<1	8,752	10,138	37,277
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	72,795	141,155	414,003
Wholesale - Professional and commercial equipment and supplies	2	219,091	318,651	686,181
Wholesale - Household appliances and electrical and electronic goods	<1	87,545	182,489	477,700
Wholesale - Machinery, equipment, and supplies	2	150,418	259,944	565,515
Wholesale - Other durable goods merchant wholesalers	4	259,824	432,584	1,152,967
Wholesale - Drugs and druggists'sundries	<1	110,046	229,817	648,070
Wholesale - Grocery and related product wholesalers	3	203,079	282,787	684,245
Wholesale - Petroleum and petroleum products	<1	48,647	564,512	758,269
Wholesale - Other nondurable goods merchant wholesalers	4	246,369	503,821	1,277,665
Wholesale - Wholesale electronic markets and agents and brokers	<1	68,133	75,498	97,781
Retail - Motor vehicle and parts dealers	6	437,916	565,535	834,492
Retail - Furniture and home furnishings stores	4	161,214	210,877	380,834
Retail - Electronics and appliance stores	3	174,117	159,662	284,395
Retail - Building material and garden equipment and supplies stores	5	202,627	365,162	568,931
Retail - Food and beverage stores	16	580,317	781,716	1,346,140
Retail - Health and personal care stores	7	308,961	383,618	617,974
Retail - Gasoline stores	6	227,414	442,846	922,111
Retail - Clothing and clothing accessories stores	7	238,873	343,671	762,376
Retail - Sporting goods, hobby, musical instrument and book stores	6	164,872	212,797	384,983
Retail - General merchandise stores	17	615,249	890,381	1,591,503
Retail - Miscellaneous store retailers	15	460,133	428,621	760,550
Retail - Nonstore retailers	14	288,295	1,640,620	2,856,324
Air transportation	1	100,989	259,154	564,696



Appendix

Rail transportation	<1	48,102	354,384	464,968
Water transportation	<1	907	1,033	25,727
Truck transportation	8	649,826	898,543	1,891,580
Transit and ground passenger transportation	5	104,552	145,856	222,821
Pipeline transportation	<1	138,373	239,786	471,670
Scenic and sightseeing transportation and support activities for transportation	5	394,830	342,477	543,194
Couriers and messengers	11	258,371	515,850	652,777
Warehousing and storage	7	306,948	340,634	686,932
Newspaper publishers	<1	53,635	79,972	138,321
Periodical publishers	<1	18,127	23,865	54,887
Book publishers	<1	13,305	29,440	84,364
Directory, mailing list, and other publishers	<1	2,330	4,706	9,795
Greeting card publishing	0	0	0	0
Software publishers	3	367,917	642,273	1,027,077
Motion picture and video industries	1	142,491	276,543	489,527
Sound recording industries	<1	10,058	97,836	144,772
Radio and television broadcasting	2	191,522	236,519	943,670
Cable and other subscription programming	<1	4,715	16,182	74,133
Wired telecommunications carriers	1	118,143	189,357	472,606
Wireless telecommunications carriers (except satellite)	<1	83,245	366,888	1,626,750
Satellite, telecommunications resellers, and all other telecommunications	<1	23,906	27,465	80,589
Data processing, hosting, and related services	8	767,679	1,901,147	5,245,145
News syndicates, libraries, archives and all other information services	<1	5,823	9,116	30,021
Internet publishing and broadcasting and web search portals	<1	57,344	165,524	911,611
Nondepository credit intermediation and related activities	3	282,501	303,867	536,971
Securities and commodity contracts intermediation and brokerage	6	328,265	286,326	714,777
Monetary authorities and depository credit intermediation	12	962,824	3,067,892	5,186,202

Appendix

Other financial investment activities	5	221,515	260,816	817,639
Direct life insurance carriers	<1	29,058	63,700	102,329
Insurance carriers, except direct life	9	698,515	2,390,932	5,568,121
Insurance agencies, brokerages, and related activities	6	395,725	645,575	1,811,713
Funds, trusts, and other financial vehicles	4	182,234	219,929	918,284
Other real estate	57	1,741,458	5,605,032	12,776,716
Tenant-occupied housing	6	182,085	1,874,305	2,026,817
Owner-occupied dwellings	0	0	9,729,659	11,742,087
Automotive equipment rental and leasing	1	72,496	361,031	452,293
General and consumer goods rental except video tapes and discs	2	88,216	177,662	278,383
Video tape and disc rental	<1	28,449	45,628	84,675
Commercial and industrial machinery and equipment rental and leasing	1	85,716	370,649	457,691
Lessors of nonfinancial intangible assets	<1	8,951	221,463	256,251
Legal services	15	1,341,418	1,806,124	2,789,709
Accounting, tax preparation, bookkeeping, and payroll services	5	348,997	556,473	892,608
Architectural, engineering, and related services	8	669,497	823,496	1,446,572
Specialized design services	<1	22,053	58,838	99,055
Custom computer programming services	1	112,142	144,542	196,803
Computer systems design services	6	495,302	541,667	715,592
Other computer related services, including facilities management	2	110,960	196,146	393,197
Management consulting services	12	1,047,189	1,151,117	1,928,542
Environmental and other technical consulting services	63	5,994,492	7,150,529	11,185,799
Scientific research and development services	419	43,374,032	50,707,941	101,546,412
Advertising, public relations, and related services	3	164,367	371,949	859,064
Photographic services	<1	18,013	77,143	137,874
Veterinary services	1	72,037	93,683	145,378
Marketing research and all other miscellaneous professional, scientific, and technical services	5	331,490	794,384	1,585,789
Management of companies and enterprises	15	1,768,570	1,898,421	3,282,774

## Appendix

Office administrative services	4	301,925	97,650	305,858
Facilities support services	2	99,341	134,060	315,842
Employment services	48	2,676,938	3,668,168	5,989,373
Business support services	9	444,031	383,824	729,952
Travel arrangement and reservation services	<1	30,612	49,082	177,856
Investigation and security services	219	9,882,464	10,078,127	14,665,603
Services to buildings	8	238,855	347,294	815,804
Landscape and horticultural services	4	140,753	178,487	360,292
Other support services	1	63,496	80,599	177,144
Waste management and remediation services	2	224,074	367,572	702,664
Elementary and secondary schools	10	473,896	376,921	473,807
Junior colleges, colleges, universities, and professional schools	9	400,130	490,252	698,068
Other educational services	4	162,100	183,291	364,825
Offices of physicians	18	1,619,992	1,651,131	2,526,736
Offices of dentists	8	498,120	581,039	821,309
Offices of other health practitioners	8	412,059	588,471	781,149
Outpatient care centers	8	542,338	539,247	904,215
Medical and diagnostic laboratories	3	206,891	311,234	449,949
Home health care services	20	624,951	632,186	920,900
Other ambulatory health care services	3	200,260	230,813	339,781
Hospitals	37	3,580,062	4,235,794	7,687,591
Nursing and community care facilities	7	375,866	410,488	672,503
Residential mental retardation, mental health, substance abuse and other facilities	4	201,187	206,408	309,107
Individual and family services	33	961,369	926,736	1,339,275
Child day care services	8	267,478	493,960	619,158
Community food, housing, and other relief services, including rehabilitation services	5	216,540	220,801	468,555
Performing arts companies	3	63,576	102,079	266,512
Commercial Sports Except Racing	3	61,811	66,654	132,390
Racing and Track Operation	<1	4,564	7,281	16,204
Independent artists, writers, and performers	4	75,596	181,056	370,606

## Appendix

Promoters of performing arts and sports and agents for public figures	3	59,590	129,314	429,403
Museums, historical sites, zoos, and parks	<1	41,058	51,229	93,025
Amusement parks and arcades	<1	15,936	27,080	32,054
Gambling industries (except casino hotels)	2	60,046	197,009	278,367
Other amusement and recreation industries	3	92,353	86,796	133,025
Fitness and recreational sports centers	3	49,674	70,857	121,196
Bowling centers	<1	11,322	16,896	28,158
Hotels and motels, including casino hotels	2	54,744	110,251	180,258
Other accommodations	<1	13,426	15,593	20,884
Full-service restaurants	40	1,515,503	2,059,147	3,852,382
Limited-service restaurants	34	1,065,674	1,507,823	3,439,401
All other food and drinking places	22	837,216	1,142,885	1,819,131
Automotive repair and maintenance, except car washes	12	656,259	900,767	1,274,617
Car washes	6	384,536	535,109	816,218
Electronic and precision equipment repair and maintenance	1	88,198	123,617	214,759
Commercial and industrial machinery and equipment repair and maintenance	4	264,157	288,609	470,612
Personal and household goods repair and maintenance	1	63,171	138,667	199,434
Personal care services	5	134,407	109,670	132,594
Death care services	2	57,481	57,283	76,747
Dry-cleaning and laundry services	3	97,605	92,310	115,668
Other personal services	5	145,634	232,357	323,448
Religious organizations	10	609,884	347,724	941,941
Grantmaking, giving, and social advocacy organizations	4	224,059	827,565	1,148,065
Business and professional associations	2	152,496	308,081	477,316
Labor and civic organizations	4	125,569	454,128	707,616
Private households	5	75,377	75,377	75,377
Postal service	4	339,593	344,904	345,041
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	11,085	49,825	100,527
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	1	64,895	8,641	41,480
Local government electric utilities	<1	71,070	202,738	470,307
Other local government enterprises	9	631,922	1,420,929	3,682,186
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	159	24,558,193	45,853,972	63,933,979

## Moon to Mars Campaign

**Table 719: Detailed M2M Campaign Impacts by Types of Impact, New Mexico**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>239</i>	<i>20,502,187</i>	<i>33,762,510</i>	<i>56,395,013</i>
Oilseed farming	<1	23	28	138
Grain farming	<1	4,598	-19,253	22,300
Vegetable and melon farming	<1	5,389	11,613	13,667
Fruit farming	<1	794	1,505	1,519
Tree nut farming	<1	2,660	5,725	5,824
Greenhouse, nursery, and floriculture production	<1	1,243	2,386	2,649
Tobacco farming	0	0	0	0

Appendix

Cotton farming	<1	731	1,030	1,227
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5,273	8,042	11,118
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,870	15,833	24,903
Dairy cattle and milk production	<1	4,847	12,334	35,573
Poultry and egg production	<1	1,364	2,708	15,298
Animal production, except cattle and poultry and eggs	<1	8,176	24,244	26,514
Forestry, forest products, and timber tract production	<1	434	492	667
Commercial logging	<1	792	896	1,485
Commercial fishing	<1	321	587	587
Commercial hunting and trapping	<1	166	1,030	1,506
Support activities for agriculture and forestry	<1	17,468	18,276	20,733
Oil and gas extraction	<1	13,705	282,197	431,982
Coal mining	<1	4,407	23,055	29,347
Copper, nickel, lead, and zinc mining	<1	7,432	55,465	68,616
Iron ore mining	0	0	0	0
Gold ore mining	<1	259	1,194	1,740
Silver ore mining	<1	42	131	196
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	544	3,567	5,197
Sand and gravel mining	<1	1,318	4,361	6,472
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	190	437	655
Phosphate rock mining	<1	55	168	253
Other chemical and fertilizer mineral mining	<1	226	550	854
Other nonmetallic minerals	<1	755	2,190	3,331
Drilling oil and gas wells	<1	9	37	69
Support activities for oil and gas operations	<1	279	575	1,146
Metal mining services	<1	235	4,362	7,559
Other nonmetallic minerals services	<1	28	513	849
Electric power generation - Hydroelectric	<1	54	123	241

Appendix

Electric power generation - Fossil fuel	<1	14,100	46,821	123,069
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	838	2,111	5,294
Electric power generation - Wind	<1	1,415	12,295	26,595
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	66	193	558
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	44,760	150,423	430,627
Natural gas distribution	<1	22,716	77,932	190,238
Water, sewage and other systems	<1	2,932	6,044	12,762
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	29,606	43,730	121,195
Maintenance and repair construction of residential structures	<1	20,919	29,866	78,897
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	7	21
Dog and cat food manufacturing	<1	93	300	997
Other animal food manufacturing	<1	777	1,648	13,248
Flour milling	<1	877	2,265	13,902

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	44	146	925
Breakfast cereal manufacturing	<1	5,427	16,378	44,388
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	36	56	210
Chocolate and confectionery manufacturing from cacao beans	<1	29	48	370
Confectionery manufacturing from purchased chocolate	<1	59	100	752
Frozen fruits, juices and vegetables manufacturing	<1	3,243	8,545	32,541
Frozen specialties manufacturing	<1	1,387	2,095	9,676
Canned fruits and vegetables manufacturing	<1	1,385	3,186	12,141
Canned specialties	<1	323	926	4,465
Dehydrated food products manufacturing	<1	147	317	1,392
Cheese manufacturing	<1	5,214	8,200	76,679
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,110	2,077	10,825
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	103	165	646
Frozen cakes and other pastries manufacturing	<1	1,253	1,708	3,492
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	209	279	3,667
Meat processed from carcasses	<1	2,060	2,047	25,461
Rendering and meat byproduct processing	<1	79	86	528
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	4,383	6,581	17,160
Cookie and cracker manufacturing	<1	926	1,519	4,598
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	1,300	1,886	6,807



Appendix

Roasted nuts and peanut butter manufacturing	<1	584	1,674	6,073
Other snack food manufacturing	<1	483	700	3,852
Coffee and tea manufacturing	<1	161	358	1,758
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	966	1,847	7,849
All other food manufacturing	<1	551	869	4,790
Bottled and canned soft drinks & water	<1	1,115	2,358	10,708
Manufactured ice	<1	309	270	1,086
Breweries	<1	3,397	8,154	26,684
Wineries	<1	2,749	5,558	17,807
Distilleries	<1	180	935	2,830
Tobacco product manufacturing	<1	279	12,316	23,021
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	3	6	87
Narrow fabric mills and schiffli machine embroidery	<1	3	4	41
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	7	10	126
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	46	77	1,102
Curtain and linen mills	<1	3	4	35
Textile bag and canvas mills	<1	81	115	451
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	94	117	517
Hosiery and sock mills	<1	8	11	25
Other apparel knitting mills	<1	7	11	26
Cut and sew apparel contractors	<1	24	26	88
Men's and boys' cut and sew apparel manufacturing	<1	15	14	83
Women's and girls' cut and sew apparel manufacturing	<1	18	8	178
Other cut and sew apparel manufacturing	<1	10	10	57
Apparel accessories and other apparel manufacturing	<1	37	25	205
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	10	10	155
Other leather and allied product manufacturing	<1	6	6	75

Appendix

Sawmills	<1	308	186	3,737
Wood preservation	<1	47	2	493
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	193	137	1,324
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	1,255	1,044	5,307
Cut stock, resawing lumber, and planing	<1	93	43	418
Other millwork, including flooring	<1	337	245	1,878
Wood container and pallet manufacturing	<1	455	370	2,151
Manufactured home (mobile home) manufacturing	<1	5	4	26
Prefabricated wood building manufacturing	<1	166	112	830
All other miscellaneous wood product manufacturing	<1	407	309	1,985
Pulp mills	0	0	0	0
Paper mills	<1	2,810	4,940	20,862
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1,117	1,601	6,930
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	74	88	308
Sanitary paper product manufacturing	<1	1,934	4,515	14,276
All other converted paper product manufacturing	<1	638	957	3,006
Printing	<1	5,649	10,989	29,508
Support activities for printing	<1	3	8	23
Petroleum refineries	<1	10,048	24,640	443,473
Asphalt paving mixture and block manufacturing	<1	145	162	1,032
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	526	628	2,724
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	452	1,064	4,450

Appendix

Synthetic dye and pigment manufacturing	<1	212	347	1,100
Other basic inorganic chemical manufacturing	<1	989	1,805	5,528
Other basic organic chemical manufacturing	<1	259	508	3,705
Plastics material and resin manufacturing	<1	35	55	436
Synthetic rubber manufacturing	<1	46	59	227
Artificial and synthetic fibers and filaments manufacturing	<1	41	53	303
Nitrogenous fertilizer manufacturing	<1	168	462	2,409
Phosphatic fertilizer manufacturing	<1	50	105	371
Fertilizer mixing	<1	6	11	56
Pesticide and other agricultural chemical manufacturing	<1	308	822	4,100
Medicinal and botanical manufacturing	<1	276	357	1,977
Pharmaceutical preparation manufacturing	<1	1,180	2,403	10,626
In-vitro diagnostic substance manufacturing	<1	28	33	107
Biological product (except diagnostic) manufacturing	<1	19	40	115
Paint and coating manufacturing	<1	8	13	73
Adhesive manufacturing	<1	18	25	138
Soap and other detergent manufacturing	<1	242	508	2,715
Polish and other sanitation good manufacturing	<1	55	76	203
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	135	297	1,266
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	27	40	173
Photographic film and chemical manufacturing	<1	127	226	838
Other miscellaneous chemical product manufacturing	<1	117	163	941
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	243	720	2,941
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	31	223	607

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	17	54	223
Polystyrene foam product manufacturing	<1	475	1,710	6,534
Urethane and other foam product (except polystyrene) manufacturing	<1	328	1,118	4,276
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	565	1,485	4,995
Tire manufacturing	<1	269	458	1,829
Rubber and plastics hoses and belting manufacturing	<1	56	144	528
Other rubber product manufacturing	<1	654	1,196	5,174
Pottery, ceramics, and plumbing fixture manufacturing	<1	148	224	788
Brick, tile, and other structural clay product manufacturing	<1	361	553	2,056
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	808	1,259	3,378
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	150	246	982
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	3,116	4,619	20,264
Concrete block and brick manufacturing	<1	696	1,110	3,950
Concrete pipe manufacturing	<1	241	371	1,341
Other concrete product manufacturing	<1	607	832	2,914
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	777	1,909	6,228
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	663	817	2,374
Ground or treated mineral and earth manufacturing	<1	360	709	2,134
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	211	413	1,221
Iron and steel mills and ferroalloy manufacturing	<1	87	203	2,405
Iron, steel pipe and tube manufacturing from purchased steel	<1	11	21	173

Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	13	23	156
Alumina refining and primary aluminum production	<1	3	6	56
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	17	87	478
Copper rolling, drawing, extruding and alloying	<1	95	174	2,636
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	37	64	470
Ferrous metal foundries	<1	5	8	35
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	168	194	1,055
Iron and steel forging	<1	163	194	1,241
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	64	89	443
Handtool manufacturing	<1	16	20	62
Prefabricated metal buildings and components manufacturing	<1	20	23	149
Fabricated structural metal manufacturing	<1	537	660	3,519
Plate work manufacturing	<1	296	316	946
Metal window and door manufacturing	<1	460	545	2,404
Sheet metal work manufacturing	<1	192	221	900
Ornamental and architectural metal work manufacturing	<1	497	541	2,196
Power boiler and heat exchanger manufacturing	<1	10	11	49
Metal tank (heavy gauge) manufacturing	<1	159	177	773
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	5	7	40
Spring and wire product manufacturing	<1	161	185	884

## Appendix

Machine shops	<1	929	1,006	2,913
Turned product and screw, nut, and bolt manufacturing	<1	79	89	307
Metal heat treating	<1	31	35	109
Metal coating and nonprecious engraving	<1	68	90	330
Electroplating, anodizing, and coloring metal	<1	192	201	613
Valve and fittings, other than plumbing, manufacturing	<1	42	52	236
Plumbing fixture fitting and trim manufacturing	<1	49	76	584
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	30	48	250
Ammunition, except for small arms, manufacturing	<1	2	2	7
Small arms, ordnance, and accessories manufacturing	<1	75	109	571
Fabricated pipe and pipe fitting manufacturing	<1	79	88	420
Other fabricated metal manufacturing	<1	1,484	1,680	5,444
Farm machinery and equipment manufacturing	<1	62	112	532
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	20	43	134
Mining machinery and equipment manufacturing	<1	20	27	91
Oil and gas field machinery and equipment manufacturing	<1	95	117	531
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	3	3	10
Optical instrument and lens manufacturing	<1	7	10	31
Photographic and photocopying equipment manufacturing	<1	2	2	7
Other commercial service industry machinery manufacturing	<1	41	61	224

Appendix

Air purification and ventilation equipment manufacturing	<1	2	3	9
Heating equipment (except warm air furnaces) manufacturing	<1	67	98	372
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	7	8	22
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	<1
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6	8	28
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	23	43	244
Pump and pumping equipment manufacturing	<1	1	2	7
Air and gas compressor manufacturing	<1	10	13	55
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	1
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	3
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	5
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	5	7	26
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	3
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	<1	3	4	13
Computer terminals and other computer peripheral equipment manufacturing	<1	16	21	62
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	0	0	<1
Other communications equipment manufacturing	<1	13	19	38
Audio and video equipment manufacturing	<1	21	32	235
Printed circuit assembly (electronic assembly) manufacturing	<1	57	80	405
Bare printed circuit board manufacturing	<1	6	7	21
Semiconductor and related device manufacturing	<1	600	856	3,607
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	22	26	88
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	88	102	348
Electromedical and electrotherapeutic apparatus manufacturing	<1	23	34	146
Search, detection, and navigation instruments manufacturing	<1	1	2	5
Automatic environmental control manufacturing	<1	62	77	167
Industrial process variable instruments manufacturing	<1	6	8	24
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	3	3	16
Analytical laboratory instrument manufacturing	<1	4	5	14
Irradiation apparatus manufacturing	0	0	0	0



Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	16	21	100
Blank magnetic and optical recording media manufacturing	<1	114	298	2,109
Software and other prerecorded and record reproducing	<1	37	48	177
Electric lamp bulb and part manufacturing	<1	13	19	58
Lighting fixture manufacturing	<1	159	201	814
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	3	4	15
Motor and generator manufacturing	<1	19	28	114
Switchgear and switchboard apparatus manufacturing	<1	<1	1	2
Relay and industrial control manufacturing	<1	13	15	46
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	418	2,410	3,260
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	10	15	95
Wiring device manufacturing	<1	63	98	366
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	19
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	2	5	17
Motor vehicle body manufacturing	<1	3	5	20
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	181	241	1,065

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	10	21	132
Motor vehicle electrical and electronic equipment manufacturing	<1	113	188	805
Motor vehicle transmission and power train parts manufacturing	<1	25	43	201
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	13	19	74
Other motor vehicle parts manufacturing	<1	29	48	247
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	37	68	288
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	17	48	95
Other aircraft parts and auxiliary equipment manufacturing	<1	6	9	21
Guided missile and space vehicle manufacturing	<1	16	32	59
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	2	8	17
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	8	19	73
Wood kitchen cabinet and countertop manufacturing	<1	216	231	904
Upholstered household furniture manufacturing	<1	<1	<1	5
Nonupholstered wood household furniture manufacturing	<1	24	25	122
Other household nonupholstered furniture manufacturing	<1	16	20	203
Institutional furniture manufacturing	<1	<1	1	5
Wood office furniture manufacturing	<1	2	2	10

Appendix

Custom architectural woodwork and millwork	<1	14	<1	51
Office furniture, except wood, manufacturing	<1	29	31	187
Showcase, partition, shelving, and locker manufacturing	<1	40	43	185
Mattress manufacturing	<1	292	371	2,618
Blind and shade manufacturing	<1	31	27	141
Surgical and medical instrument manufacturing	<1	68	77	208
Surgical appliance and supplies manufacturing	<1	464	584	2,243
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	19	22	55
Dental laboratories	<1	121	125	260
Jewelry and silverware manufacturing	<1	2,072	2,429	9,257
Sporting and athletic goods manufacturing	<1	18	21	160
Doll, toy, and game manufacturing	<1	122	138	597
Office supplies (except paper) manufacturing	<1	124	143	810
Sign manufacturing	<1	1,325	1,224	3,369
Gasket, packing, and sealing device manufacturing	<1	61	63	169
Musical instrument manufacturing	<1	23	24	76
Fasteners, buttons, needles, and pins manufacturing	<1	58	60	185
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	260	320	948
All other miscellaneous manufacturing	<1	1,123	1,283	4,692
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	11,031	21,595	63,490
Wholesale - Professional and commercial equipment and supplies	<1	30,439	44,590	95,444
Wholesale - Household appliances and electrical and electronic goods	<1	10,019	20,950	55,036
Wholesale - Machinery, equipment, and supplies	<1	17,422	30,011	65,450
Wholesale - Other durable goods merchant wholesalers	<1	35,804	59,977	159,923

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	17,168	35,953	100,154
Wholesale - Grocery and related product wholesalers	<1	30,110	41,909	101,420
Wholesale - Petroleum and petroleum products	<1	6,506	86,448	113,789
Wholesale - Other nondurable goods merchant wholesalers	<1	36,946	78,343	195,219
Wholesale - Wholesale electronic markets and agents and brokers	<1	9,934	10,978	14,185
Retail - Motor vehicle and parts dealers	<1	65,472	84,640	124,439
Retail - Furniture and home furnishings stores	<1	24,234	31,778	57,173
Retail - Electronics and appliance stores	<1	26,417	24,312	42,630
Retail - Building material and garden equipment and supplies stores	<1	30,379	54,786	85,015
Retail - Food and beverage stores	2	90,450	121,856	209,224
Retail - Health and personal care stores	1	46,886	58,353	93,368
Retail - Gasoline stores	<1	34,277	65,597	134,457
Retail - Clothing and clothing accessories stores	<1	36,813	52,660	115,400
Retail - Sporting goods, hobby, musical instrument and book stores	<1	24,891	32,116	57,700
Retail - General merchandise stores	3	91,300	132,449	235,267
Retail - Miscellaneous store retailers	2	68,662	64,203	112,889
Retail - Nonstore retailers	2	42,695	248,731	433,028
Air transportation	<1	12,855	32,994	71,543
Rail transportation	<1	6,783	45,162	62,533
Water transportation	<1	164	191	4,494
Truck transportation	1	93,831	129,374	271,249
Transit and ground passenger transportation	<1	16,233	22,552	33,365
Pipeline transportation	<1	13,404	25,557	51,901
Scenic and sightseeing transportation and support activities for transportation	<1	70,350	60,342	95,603
Couriers and messengers	2	37,278	73,820	93,203
Warehousing and storage	<1	42,306	47,148	94,584
Newspaper publishers	<1	8,871	14,290	23,582
Periodical publishers	<1	3,469	5,145	10,841
Book publishers	<1	2,225	5,510	14,919

Appendix

Directory, mailing list, and other publishers	<1	332	709	1,472
Greeting card publishing	0	0	0	0
Software publishers	<1	110,152	208,478	324,090
Motion picture and video industries	<1	23,158	45,008	76,769
Sound recording industries	<1	1,626	15,899	22,770
Radio and television broadcasting	<1	29,335	36,547	136,767
Cable and other subscription programming	<1	740	2,648	11,523
Wired telecommunications carriers	<1	15,603	26,028	64,038
Wireless telecommunications carriers (except satellite)	<1	10,189	50,652	213,691
Satellite, telecommunications resellers, and all other telecommunications	<1	3,175	3,608	10,725
Data processing, hosting, and related services	<1	46,982	118,903	313,880
News syndicates, libraries, archives and all other information services	<1	1,032	1,622	5,230
Internet publishing and broadcasting and web search portals	<1	11,138	31,327	199,300
Nondepository credit intermediation and related activities	<1	43,190	46,567	80,791
Securities and commodity contracts intermediation and brokerage	<1	51,906	43,908	102,330
Monetary authorities and depository credit intermediation	2	138,141	467,309	764,163
Other financial investment activities	<1	39,391	46,098	133,254
Direct life insurance carriers	<1	4,096	9,124	14,509
Insurance carriers, except direct life	1	101,699	351,151	799,892
Insurance agencies, brokerages, and related activities	<1	55,164	89,837	250,415
Funds, trusts, and other financial vehicles	<1	30,679	39,175	143,886
Other real estate	9	298,569	946,442	2,086,707
Tenant-occupied housing	<1	27,547	297,611	320,133
Owner-occupied dwellings	0	0	1,492,102	1,800,720
Automotive equipment rental and leasing	<1	10,186	52,501	64,369

## Appendix

General and consumer goods rental except video tapes and discs	<1	12,411	25,093	38,856
Video tape and disc rental	<1	4,169	6,745	12,543
Commercial and industrial machinery and equipment rental and leasing	<1	11,959	52,292	64,200
Lessors of nonfinancial intangible assets	<1	1,126	30,116	34,722
Legal services	2	221,472	306,184	466,152
Accounting, tax preparation, bookkeeping, and payroll services	<1	47,272	76,382	120,511
Architectural, engineering, and related services	1	96,353	119,331	207,880
Specialized design services	<1	3,296	8,926	14,654
Custom computer programming services	<1	14,367	18,445	25,107
Computer systems design services	<1	17,806	19,502	25,089
Other computer related services, including facilities management	<1	15,021	26,388	52,728
Management consulting services	2	170,134	187,420	308,277
Environmental and other technical consulting services	<1	59,484	75,031	118,471
Scientific research and development services	78	8,560,986	9,991,428	19,510,475
Advertising, public relations, and related services	<1	26,201	60,087	135,880
Photographic services	<1	2,128	9,471	16,430
Veterinary services	<1	10,956	14,353	21,999
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	65,884	161,564	316,112
Management of companies and enterprises	2	263,057	284,078	485,130
Office administrative services	<1	49,124	17,089	49,439
Facilities support services	<1	12,991	17,889	40,582
Employment services	7	405,362	566,663	888,557
Business support services	1	54,783	48,083	88,565
Travel arrangement and reservation services	<1	4,911	7,984	27,651
Investigation and security services	<1	33,735	35,223	51,781
Services to buildings	1	32,184	47,799	108,779
Landscape and horticultural services	<1	21,419	27,491	54,196
Other support services	<1	8,184	10,496	22,651
Waste management and remediation services	<1	33,510	54,886	104,420

Appendix

Elementary and secondary schools	2	84,275	66,888	83,346
Junior colleges, colleges, universities, and professional schools	<1	16,567	20,546	28,671
Other educational services	<1	26,454	30,069	58,948
Offices of physicians	3	247,000	252,262	385,391
Offices of dentists	1	75,714	89,647	125,871
Offices of other health practitioners	1	60,439	88,957	117,140
Outpatient care centers	1	84,219	84,003	141,721
Medical and diagnostic laboratories	<1	32,105	49,824	70,958
Home health care services	3	99,320	100,734	147,504
Other ambulatory health care services	<1	30,499	35,626	52,126
Hospitals	6	604,081	719,330	1,308,604
Nursing and community care facilities	1	61,382	67,097	108,471
Residential mental retardation, mental health, substance abuse and other facilities	<1	35,652	36,599	54,183
Individual and family services	5	157,775	153,381	219,782
Child day care services	1	42,825	81,031	100,542
Community food, housing, and other relief services, including rehabilitation services	<1	38,103	38,968	81,260
Performing arts companies	<1	9,759	15,705	39,516
Commercial Sports Except Racing	<1	8,605	9,781	19,123
Racing and Track Operation	<1	784	1,221	2,620
Independent artists, writers, and performers	<1	11,419	26,897	54,108
Promoters of performing arts and sports and agents for public figures	<1	9,279	19,797	62,781
Museums, historical sites, zoos, and parks	<1	6,765	8,447	15,031
Amusement parks and arcades	<1	2,682	4,482	5,286
Gambling industries (except casino hotels)	<1	9,399	31,101	43,643
Other amusement and recreation industries	<1	13,685	12,885	19,529
Fitness and recreational sports centers	<1	7,783	11,058	18,596
Bowling centers	<1	1,722	2,581	4,255
Hotels and motels, including casino hotels	<1	8,136	16,099	26,289
Other accommodations	<1	2,350	2,721	3,623

## Appendix

Full-service restaurants	6	218,140	295,221	550,008
Limited-service restaurants	5	162,353	228,387	514,595
All other food and drinking places	3	127,474	172,076	270,639
Automotive repair and maintenance, except car washes	2	99,015	132,773	187,688
Car washes	<1	57,205	79,364	120,724
Electronic and precision equipment repair and maintenance	<1	10,558	14,933	25,474
Commercial and industrial machinery and equipment repair and maintenance	<1	33,040	35,829	57,854
Personal and household goods repair and maintenance	<1	7,660	15,926	23,118
Personal care services	<1	20,618	15,466	19,001
Death care services	<1	9,634	8,905	12,072
Dry-cleaning and laundry services	<1	14,860	12,895	16,391
Other personal services	<1	17,788	27,682	38,646
Religious organizations	2	107,584	54,990	158,551
Grantmaking, giving, and social advocacy organizations	<1	41,067	135,051	190,721
Business and professional associations	<1	24,796	45,889	71,448
Labor and civic organizations	<1	22,199	71,195	113,955
Private households	<1	12,185	12,185	12,185
Postal service	<1	46,940	47,683	47,702
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,915	9,311	17,661
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	9,014	825	4,812
Local government electric utilities	<1	7,307	19,337	44,972
Other local government enterprises	1	95,272	182,677	506,885
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	32	4,833,171	10,439,395	12,282,137

## Investments in Climate Change Research and Technology

**Table 720: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>607</i>	<i>36,920,140</i>	<i>53,415,576</i>	<i>95,369,145</i>
Oilseed farming	<1	20	21	99
Grain farming	<1	7,603	-21,702	35,048
Vegetable and melon farming	<1	10,809	21,845	26,426
Fruit farming	<1	1,461	2,706	2,797
Tree nut farming	<1	4,517	9,037	9,225
Greenhouse, nursery, and floriculture production	<1	2,764	4,978	5,700
Tobacco farming	0	0	0	0
Cotton farming	<1	2,758	3,725	4,647
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	13,091	18,749	26,502
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	10,101	32,828	54,847
Dairy cattle and milk production	<1	8,813	20,137	65,667
Poultry and egg production	<1	3,527	6,178	40,317
Animal production, except cattle and poultry and eggs	<1	15,592	35,461	39,376
Forestry, forest products, and timber tract production	<1	480	546	782

Appendix

Commercial logging	<1	2,013	2,259	3,920
Commercial fishing	<1	252	1,163	1,174
Commercial hunting and trapping	<1	167	2,010	3,048
Support activities for agriculture and forestry	<1	28,075	28,880	32,346
Oil and gas extraction	<1	52,554	910,366	1,260,281
Coal mining	<1	22,906	117,844	152,198
Copper, nickel, lead, and zinc mining	<1	42,325	269,300	357,448
Iron ore mining	0	0	0	0
Gold ore mining	<1	545	2,460	3,695
Silver ore mining	<1	62	192	296
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	959	7,186	10,320
Sand and gravel mining	<1	2,228	7,697	11,676
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	356	833	1,265
Phosphate rock mining	<1	94	296	448
Other chemical and fertilizer mineral mining	<1	378	911	1,459
Other nonmetallic minerals	<1	1,069	3,164	4,772
Drilling oil and gas wells	<1	33	137	243
Support activities for oil and gas operations	<1	873	1,754	3,359
Metal mining services	<1	886	16,628	26,666
Other nonmetallic minerals services	<1	83	1,289	2,023
Electric power generation - Hydroelectric	<1	87	202	395
Electric power generation - Fossil fuel	<1	25,200	97,445	257,198
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	1,606	4,158	10,509
Electric power generation - Wind	<1	5,054	48,103	106,833
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	102	297	829
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	92,901	345,957	998,424

Appendix

Natural gas distribution	<1	35,491	125,288	313,719
Water, sewage and other systems	<1	6,185	13,363	29,464
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	52,698	75,833	219,047
Maintenance and repair construction of residential structures	<1	38,297	53,580	146,550
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	13	39
Dog and cat food manufacturing	<1	209	651	2,287
Other animal food manufacturing	<1	1,505	3,020	25,283
Flour milling	<1	2,290	5,838	34,900
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	85	275	1,740
Breakfast cereal manufacturing	<1	8,348	25,202	75,006
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	69	106	423

Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	39	63	512
Confectionery manufacturing from purchased chocolate	<1	119	194	1,501
Frozen fruits, juices and vegetables manufacturing	<1	6,199	15,362	63,562
Frozen specialties manufacturing	<1	3,022	4,588	21,142
Canned fruits and vegetables manufacturing	<1	2,450	5,446	21,396
Canned specialties	<1	726	2,025	9,739
Dehydrated food products manufacturing	<1	250	538	2,389
Cheese manufacturing	<1	8,710	13,726	125,245
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,973	3,539	18,878
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	199	311	1,277
Frozen cakes and other pastries manufacturing	<1	2,571	3,521	7,287
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	526	691	8,972
Meat processed from carcasses	<1	3,855	3,806	47,840
Rendering and meat byproduct processing	<1	173	185	1,119
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	8,917	13,311	34,829
Cookie and cracker manufacturing	<1	1,454	2,240	7,827
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	3,022	4,410	15,774
Roasted nuts and peanut butter manufacturing	<1	1,105	3,066	11,551
Other snack food manufacturing	<1	1,000	1,421	8,134
Coffee and tea manufacturing	<1	353	752	3,780
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	1,593	2,904	12,570
All other food manufacturing	<1	1,024	1,598	8,824
Bottled and canned soft drinks & water	<1	2,547	5,259	23,915
Manufactured ice	<1	596	504	2,212

Appendix

Breweries	<1	6,899	15,806	51,925
Wineries	<1	4,535	8,979	29,251
Distilleries	<1	429	1,959	6,151
Tobacco product manufacturing	<1	546	17,411	36,333
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	8	11	210
Narrow fabric mills and schiffli machine embroidery	<1	6	7	80
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	8	12	147
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	101	162	2,601
Curtain and linen mills	<1	6	8	76
Textile bag and canvas mills	<1	159	216	897
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	203	244	1,149
Hosiery and sock mills	<1	15	23	55
Other apparel knitting mills	<1	17	24	63
Cut and sew apparel contractors	<1	34	37	132
Men's and boys' cut and sew apparel manufacturing	<1	36	34	209
Women's and girls' cut and sew apparel manufacturing	<1	30	13	319
Other cut and sew apparel manufacturing	<1	17	17	105
Apparel accessories and other apparel manufacturing	<1	71	47	424
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	22	22	383
Other leather and allied product manufacturing	<1	13	12	166
Sawmills	<1	893	555	10,858
Wood preservation	<1	153	7	1,569
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	766	560	5,340
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	3,718	3,166	16,327
Cut stock, resawing lumber, and planing	<1	245	122	1,124

Appendix

Other millwork, including flooring	<1	910	696	5,293
Wood container and pallet manufacturing	<1	919	772	4,498
Manufactured home (mobile home) manufacturing	<1	14	11	69
Prefabricated wood building manufacturing	<1	392	276	2,035
All other miscellaneous wood product manufacturing	<1	838	695	4,708
Pulp mills	0	0	0	0
Paper mills	<1	6,618	14,855	54,127
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	3,545	5,179	21,786
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	156	193	728
Sanitary paper product manufacturing	<1	4,921	11,933	36,150
All other converted paper product manufacturing	<1	1,218	1,968	5,972
Printing	<1	12,092	22,583	65,274
Support activities for printing	<1	10	22	66
Petroleum refineries	<1	27,088	60,675	1,148,086
Asphalt paving mixture and block manufacturing	<1	293	316	2,184
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	829	1,003	4,737
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,027	2,146	9,555
Synthetic dye and pigment manufacturing	<1	350	502	1,558
Other basic inorganic chemical manufacturing	<1	2,052	3,244	10,540
Other basic organic chemical manufacturing	<1	770	1,337	9,885
Plastics material and resin manufacturing	<1	108	146	1,194
Synthetic rubber manufacturing	<1	140	168	618
Artificial and synthetic fibers and filaments manufacturing	<1	42	54	317
Nitrogenous fertilizer manufacturing	<1	215	533	3,416

## Appendix

Phosphatic fertilizer manufacturing	<1	112	215	783
Fertilizer mixing	<1	13	19	108
Pesticide and other agricultural chemical manufacturing	<1	731	1,736	8,899
Medicinal and botanical manufacturing	<1	364	473	2,801
Pharmaceutical preparation manufacturing	<1	2,039	3,856	18,092
In-vitro diagnostic substance manufacturing	<1	33	40	126
Biological product (except diagnostic) manufacturing	<1	16	36	111
Paint and coating manufacturing	<1	70	105	610
Adhesive manufacturing	<1	36	47	268
Soap and other detergent manufacturing	<1	395	779	4,835
Polish and other sanitation good manufacturing	<1	90	117	332
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	246	504	2,237
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	55	71	335
Photographic film and chemical manufacturing	<1	163	281	1,140
Other miscellaneous chemical product manufacturing	<1	281	363	2,086
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	544	1,603	6,867
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	59	414	1,132
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	76	238	1,028
Polystyrene foam product manufacturing	<1	985	3,447	13,807
Urethane and other foam product (except polystyrene) manufacturing	<1	699	2,335	9,270
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	1,336	3,391	12,062
Tire manufacturing	<1	602	967	4,110

Appendix

Rubber and plastics hoses and belting manufacturing	<1	124	316	1,162
Other rubber product manufacturing	<1	873	1,586	6,755
Pottery, ceramics, and plumbing fixture manufacturing	<1	259	389	1,386
Brick, tile, and other structural clay product manufacturing	<1	784	1,268	4,588
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	5,693	8,760	23,627
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,094	1,857	7,141
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	8,627	13,342	57,105
Concrete block and brick manufacturing	<1	1,361	2,286	7,951
Concrete pipe manufacturing	<1	667	1,055	3,622
Other concrete product manufacturing	<1	1,661	2,374	7,998
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,258	5,796	18,691
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,219	1,539	4,447
Ground or treated mineral and earth manufacturing	<1	855	1,855	5,400
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	951	2,053	6,085
Iron and steel mills and ferroalloy manufacturing	<1	356	841	10,213
Iron, steel pipe and tube manufacturing from purchased steel	<1	51	105	836
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	28	53	355
Alumina refining and primary aluminum production	<1	7	10	107
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	42	258	1,282



Appendix

Copper rolling, drawing, extruding and alloying	<1	234	460	7,083
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	71	136	971
Ferrous metal foundries	<1	12	19	86
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	340	391	2,185
Iron and steel forging	<1	441	519	3,439
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	102	150	772
Handtool manufacturing	<1	30	38	122
Prefabricated metal buildings and components manufacturing	<1	26	32	204
Fabricated structural metal manufacturing	<1	1,148	1,393	7,574
Plate work manufacturing	<1	682	721	2,255
Metal window and door manufacturing	<1	1,015	1,191	5,522
Sheet metal work manufacturing	<1	408	473	2,010
Ornamental and architectural metal work manufacturing	<1	1,404	1,544	6,481
Power boiler and heat exchanger manufacturing	<1	22	25	107
Metal tank (heavy gauge) manufacturing	<1	242	267	1,232
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	13	16	99
Spring and wire product manufacturing	<1	374	428	2,075
Machine shops	<1	2,108	2,284	6,720
Turned product and screw, nut, and bolt manufacturing	<1	210	237	834
Metal heat treating	<1	334	378	1,169
Metal coating and nonprecious engraving	<1	351	453	1,711
Electroplating, anodizing, and coloring metal	<1	1,491	1,561	4,787
Valve and fittings, other than plumbing, manufacturing	<1	82	99	453
Plumbing fixture fitting and trim manufacturing	<1	124	197	1,470

Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	56	90	485
Ammunition, except for small arms, manufacturing	<1	8	9	29
Small arms, ordnance, and accessories manufacturing	<1	703	1,028	5,814
Fabricated pipe and pipe fitting manufacturing	<1	189	211	1,006
Other fabricated metal manufacturing	<1	2,895	3,283	10,934
Farm machinery and equipment manufacturing	<1	110	190	952
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	25	51	180
Mining machinery and equipment manufacturing	<1	81	112	383
Oil and gas field machinery and equipment manufacturing	<1	404	512	2,110
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	3
All other industrial machinery manufacturing	<1	6	7	22
Optical instrument and lens manufacturing	<1	11	16	48
Photographic and photocopying equipment manufacturing	<1	5	6	24
Other commercial service industry machinery manufacturing	<1	78	118	430
Air purification and ventilation equipment manufacturing	<1	4	5	17
Heating equipment (except warm air furnaces) manufacturing	<1	114	165	663
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	7	8	24
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1

Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	13	18	69
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	87	177	1,011
Pump and pumping equipment manufacturing	<1	2	3	10
Air and gas compressor manufacturing	<1	14	18	79
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	3
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	2	7
Industrial truck, trailer, and stacker manufacturing	<1	1	3	12
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	25	36	140
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	7
Electronic computer manufacturing	<1	<1	1	4
Computer storage device manufacturing	<1	14	18	54
Computer terminals and other computer peripheral equipment manufacturing	<1	67	85	260
Telephone apparatus manufacturing	<1	1	3	9

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	<1	523	715	1,426
Audio and video equipment manufacturing	<1	32	48	378
Printed circuit assembly (electronic assembly) manufacturing	<1	185	249	1,314
Bare printed circuit board manufacturing	<1	17	19	52
Semiconductor and related device manufacturing	<1	2,359	3,272	14,733
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	190	219	794
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	229	261	907
Electromedical and electrotherapeutic apparatus manufacturing	<1	42	59	260
Search, detection, and navigation instruments manufacturing	<1	3	5	14
Automatic environmental control manufacturing	<1	65	79	181
Industrial process variable instruments manufacturing	<1	14	18	56
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	14	17	80
Analytical laboratory instrument manufacturing	<1	6,827	9,892	26,757
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	27	35	179
Blank magnetic and optical recording media manufacturing	<1	126	358	2,626
Software and other prerecorded and record reproducing	<1	145	193	750
Electric lamp bulb and part manufacturing	<1	23	32	105
Lighting fixture manufacturing	<1	254	313	1,364
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	7	10	31
Motor and generator manufacturing	<1	48	71	292
Switchgear and switchboard apparatus manufacturing	<1	2	3	7
Relay and industrial control manufacturing	<1	37	44	142
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	659	2,371	4,769
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	27	38	244
Wiring device manufacturing	<1	210	307	1,209
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	5	6	37
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	4	11	48
Motor vehicle body manufacturing	<1	8	12	47
Truck trailer manufacturing	<1	<1	<1	4
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	538	730	3,162
Motor vehicle gasoline engine and engine parts manufacturing	<1	29	57	368
Motor vehicle electrical and electronic equipment manufacturing	<1	391	646	3,020
Motor vehicle transmission and power train parts manufacturing	<1	44	79	399
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	22	33	138
Other motor vehicle parts manufacturing	<1	86	145	741

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	87	151	671
Aircraft manufacturing	<1	2	4	9
Aircraft engine and engine parts manufacturing	<1	49	137	277
Other aircraft parts and auxiliary equipment manufacturing	<1	2,035	3,108	7,276
Guided missile and space vehicle manufacturing	<1	31	58	111
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	6	30	57
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	25	65	240
Wood kitchen cabinet and countertop manufacturing	<1	653	724	2,846
Upholstered household furniture manufacturing	<1	1	2	9
Nonupholstered wood household furniture manufacturing	<1	47	50	250
Other household nonupholstered furniture manufacturing	<1	32	41	439
Institutional furniture manufacturing	<1	2	2	9
Wood office furniture manufacturing	<1	4	4	18
Custom architectural woodwork and millwork	<1	31	<1	120
Office furniture, except wood, manufacturing	<1	45	55	311
Showcase, partition, shelving, and locker manufacturing	<1	90	102	440
Mattress manufacturing	<1	642	817	5,838
Blind and shade manufacturing	<1	75	64	331
Surgical and medical instrument manufacturing	<1	133	145	412
Surgical appliance and supplies manufacturing	<1	853	1,036	4,185

## Appendix

Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	44	50	129
Dental laboratories	<1	234	240	502
Jewelry and silverware manufacturing	<1	4,495	5,128	19,793
Sporting and athletic goods manufacturing	<1	39	44	360
Doll, toy, and game manufacturing	<1	241	255	1,150
Office supplies (except paper) manufacturing	<1	614	684	4,355
Sign manufacturing	<1	3,141	2,851	8,078
Gasket, packing, and sealing device manufacturing	<1	156	159	437
Musical instrument manufacturing	<1	31	32	105
Fasteners, buttons, needles, and pins manufacturing	<1	84	86	261
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	771	899	2,980
All other miscellaneous manufacturing	<1	3,287	3,708	14,131
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	22,560	44,644	129,567
Wholesale - Professional and commercial equipment and supplies	<1	61,462	90,519	194,501
Wholesale - Household appliances and electrical and electronic goods	<1	31,764	67,680	177,318
Wholesale - Machinery, equipment, and supplies	<1	48,015	84,235	182,986
Wholesale - Other durable goods merchant wholesalers	1	83,845	141,931	377,336
Wholesale - Drugs and druggists'sundries	<1	30,554	65,731	186,100
Wholesale - Grocery and related product wholesalers	<1	59,208	83,719	202,973
Wholesale - Petroleum and petroleum products	<1	17,037	181,683	246,262
Wholesale - Other nondurable goods merchant wholesalers	1	69,991	144,637	368,343
Wholesale - Wholesale electronic markets and agents and brokers	<1	20,711	23,097	30,200
Retail - Motor vehicle and parts dealers	2	125,297	163,829	242,270
Retail - Furniture and home furnishings stores	1	45,649	60,435	109,884

Appendix

Retail - Electronics and appliance stores	<1	49,596	45,994	82,877
Retail - Building material and garden equipment and supplies stores	1	57,472	106,060	165,410
Retail - Food and beverage stores	4	161,653	220,897	381,693
Retail - Health and personal care stores	2	86,740	108,906	177,394
Retail - Gasoline stores	2	66,531	132,324	275,429
Retail - Clothing and clothing accessories stores	2	67,750	100,140	224,136
Retail - Sporting goods, hobby, musical instrument and book stores	2	45,691	59,864	109,328
Retail - General merchandise stores	5	177,770	261,650	467,798
Retail - Miscellaneous store retailers	4	127,382	120,733	216,835
Retail - Nonstore retailers	4	79,583	468,314	817,320
Air transportation	<1	40,054	101,134	224,523
Rail transportation	<1	14,065	102,092	135,040
Water transportation	<1	214	226	6,024
Truck transportation	3	205,988	287,465	617,997
Transit and ground passenger transportation	2	36,512	52,070	83,092
Pipeline transportation	<1	41,077	64,663	135,314
Scenic and sightseeing transportation and support activities for transportation	1	108,829	97,055	151,746
Couriers and messengers	4	98,180	207,550	261,572
Warehousing and storage	2	102,587	113,507	231,561
Newspaper publishers	<1	16,113	23,018	40,739
Periodical publishers	<1	5,014	6,283	15,042
Book publishers	<1	3,827	8,185	24,156
Directory, mailing list, and other publishers	<1	783	1,506	3,252
Greeting card publishing	0	0	0	0
Software publishers	2	168,931	265,155	451,978
Motion picture and video industries	<1	43,556	83,774	152,513
Sound recording industries	<1	2,987	28,507	43,132
Radio and television broadcasting	<1	62,687	77,875	329,689
Cable and other subscription programming	<1	1,557	5,260	24,716
Wired telecommunications carriers	<1	43,104	68,964	174,652



Appendix

Wireless telecommunications carriers (except satellite)	<1	34,347	144,601	660,863
Satellite, telecommunications resellers, and all other telecommunications	<1	9,475	11,560	33,215
Data processing, hosting, and related services	6	564,920	1,376,198	3,935,405
News syndicates, libraries, archives and all other information services	<1	1,521	2,383	7,818
Internet publishing and broadcasting and web search portals	<1	20,086	58,421	324,633
Nondepository credit intermediation and related activities	1	88,799	95,198	170,299
Securities and commodity contracts intermediation and brokerage	2	101,618	90,235	236,949
Monetary authorities and depository credit intermediation	4	300,433	872,372	1,533,559
Other financial investment activities	1	59,317	69,362	229,870
Direct life insurance carriers	<1	8,121	17,633	29,624
Insurance carriers, except direct life	3	215,330	720,599	1,747,025
Insurance agencies, brokerages, and related activities	2	135,941	219,792	634,012
Funds, trusts, and other financial vehicles	1	51,547	62,218	262,540
Other real estate	14	421,574	1,361,010	3,139,510
Tenant-occupied housing	2	48,791	519,924	565,761
Owner-occupied dwellings	0	0	2,692,521	3,269,464
Automotive equipment rental and leasing	<1	24,928	120,732	154,662
General and consumer goods rental except video tapes and discs	<1	29,000	58,935	92,790
Video tape and disc rental	<1	7,983	13,063	24,229
Commercial and industrial machinery and equipment rental and leasing	<1	35,554	149,384	187,862
Lessors of nonfinancial intangible assets	<1	3,736	84,970	98,655
Legal services	4	332,373	439,292	684,550
Accounting, tax preparation, bookkeeping, and payroll services	2	128,852	203,760	333,235
Architectural, engineering, and related services	2	211,356	259,501	460,013
Specialized design services	<1	6,628	17,580	30,427

Appendix

Custom computer programming services	<1	40,522	52,196	73,369
Computer systems design services	<1	61,951	67,767	88,989
Other computer related services, including facilities management	<1	46,705	82,570	167,139
Management consulting services	3	247,057	271,315	463,473
Environmental and other technical consulting services	49	4,831,600	5,661,736	8,776,376
Scientific research and development services	72	7,590,141	9,104,975	17,840,619
Advertising, public relations, and related services	1	50,239	113,420	267,131
Photographic services	<1	7,197	29,699	55,587
Veterinary services	<1	20,313	26,288	41,261
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	67,051	162,074	327,425
Management of companies and enterprises	4	473,457	509,621	899,247
Office administrative services	2	111,044	35,725	115,206
Facilities support services	<1	39,579	53,135	129,226
Employment services	18	899,892	1,226,233	2,082,490
Business support services	4	177,456	152,956	301,611
Travel arrangement and reservation services	<1	9,870	15,865	57,380
Investigation and security services	214	9,678,624	9,866,459	14,354,155
Services to buildings	3	87,906	127,533	308,167
Landscape and horticultural services	1	40,058	50,678	104,634
Other support services	<1	21,952	27,817	63,148
Waste management and remediation services	<1	60,782	100,923	193,667
Elementary and secondary schools	3	126,677	101,218	128,517
Junior colleges, colleges, universities, and professional schools	2	95,516	117,901	169,127
Other educational services	1	44,865	50,615	102,211
Offices of physicians	5	452,637	460,660	714,320
Offices of dentists	2	136,141	158,267	226,073
Offices of other health practitioners	2	115,694	163,874	219,784
Outpatient care centers	2	150,785	149,744	250,841
Medical and diagnostic laboratories	<1	59,630	89,228	130,380
Home health care services	6	171,387	173,080	256,873

Appendix

Other ambulatory health care services	<1	55,043	63,240	94,446
Hospitals	10	920,453	1,084,544	1,983,800
Nursing and community care facilities	2	98,391	107,040	179,081
Residential mental retardation, mental health, substance abuse and other facilities	<1	50,236	51,468	78,658
Individual and family services	9	241,277	232,104	344,730
Child day care services	2	70,848	129,128	164,876
Community food, housing, and other relief services, including rehabilitation services	1	54,193	55,156	119,796
Performing arts companies	1	20,581	32,226	86,196
Commercial Sports Except Racing	<1	21,740	21,879	45,014
Racing and Track Operation	<1	1,175	1,938	4,433
Independent artists, writers, and performers	1	26,515	61,435	127,401
Promoters of performing arts and sports and agents for public figures	1	19,451	41,217	140,263
Museums, historical sites, zoos, and parks	<1	10,618	13,076	24,238
Amusement parks and arcades	<1	4,736	7,829	9,411
Gambling industries (except casino hotels)	<1	15,697	51,040	73,144
Other amusement and recreation industries	1	26,882	25,044	39,013
Fitness and recreational sports centers	<1	14,957	20,618	36,305
Bowling centers	<1	3,086	4,511	7,677
Hotels and motels, including casino hotels	<1	20,976	42,920	70,726
Other accommodations	<1	4,126	4,804	6,500
Full-service restaurants	13	481,635	659,192	1,253,966
Limited-service restaurants	10	310,920	442,425	1,030,417
All other food and drinking places	7	261,007	357,942	577,788
Automotive repair and maintenance, except car washes	4	202,037	284,320	404,520
Car washes	2	115,672	162,672	249,533
Electronic and precision equipment repair and maintenance	<1	37,014	52,440	92,599
Commercial and industrial machinery and equipment repair and maintenance	2	103,653	115,202	191,955
Personal and household goods repair and maintenance	<1	27,982	64,474	92,595

Appendix

Personal care services	1	36,584	31,738	38,422
Death care services	<1	15,894	16,612	22,347
Dry-cleaning and laundry services	1	28,950	28,913	36,298
Other personal services	2	57,001	91,920	129,286
Religious organizations	3	158,619	96,222	250,983
Grantmaking, giving, and social advocacy organizations	<1	55,270	215,068	297,402
Business and professional associations	<1	41,171	87,348	135,611
Labor and civic organizations	<1	31,560	121,219	186,268
Private households	2	21,949	21,949	22,046
Postal service	1	125,253	127,150	128,100
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,392	16,144	30,522
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	25,596	3,932	19,041
Local government electric utilities	<1	16,929	51,228	117,442
Other local government enterprises	3	187,735	482,479	1,150,104
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	875,393	1,894,167	2,131,710

## New York

## NASA

Table 721: Detailed NASA Impacts by Types of Impact, New York

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,975</i>	<i>210,095,845</i>	<i>320,266,518</i>	<i>517,343,111</i>
Oilseed farming	<1	41,021	119,561	140,874
Grain farming	1	72,263	235,260	334,705
Vegetable and melon farming	<1	32,648	70,669	79,642
Fruit farming	<1	29,477	50,308	52,046
Tree nut farming	<1	70	130	137
Greenhouse, nursery, and floriculture production	<1	14,733	32,029	39,851
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	21,609	42,852	53,665
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	25,405	78,032	112,698
Dairy cattle and milk production	1	57,180	143,962	401,516
Poultry and egg production	<1	4,905	13,153	78,831
Animal production, except cattle and poultry and eggs	1	62,410	139,020	158,150
Forestry, forest products, and timber tract production	<1	10,087	10,839	13,173
Commercial logging	<1	12,923	14,589	26,640
Commercial fishing	<1	3,151	12,017	12,130
Commercial hunting and trapping	<1	3,794	6,328	7,393
Support activities for agriculture and forestry	2	89,125	97,414	107,469
Oil and gas extraction	<1	103,298	5,406	210,415
Coal mining	<1	480	763	1,655
Copper, nickel, lead, and zinc mining	<1	18,623	36,481	94,179
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	12,355	18,652	46,984
Sand and gravel mining	<1	16,271	20,283	42,683

## Appendix

Other clay, ceramic, refractory minerals mining	<1	234	300	694
Potash, soda, and borate mineral mining	<1	1,263	1,581	3,502
Phosphate rock mining	<1	335	446	1,081
Other chemical and fertilizer mineral mining	<1	496	616	1,406
Other nonmetallic minerals	<1	5,557	7,378	17,258
Drilling oil and gas wells	<1	10	4	19
Support activities for oil and gas operations	<1	128	45	167
Metal mining services	<1	2,416	222	6,399
Other nonmetallic minerals services	<1	107	9	264
Electric power generation - Hydroelectric	<1	15,061	27,658	47,225
Electric power generation - Fossil fuel	<1	70,711	183,802	385,849
Electric power generation - Nuclear	<1	108,253	177,730	321,047
Electric power generation - Solar	<1	14,251	27,058	46,378
Electric power generation - Wind	<1	13,165	57,166	92,730
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	6,258	12,444	24,822
Electric power generation - All other	<1	407	65	378
Electric power transmission and distribution	3	886,767	2,164,316	4,529,415
Natural gas distribution	<1	303,832	734,023	1,313,680
Water, sewage and other systems	<1	22,281	36,819	55,246
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	6	487,602	770,290	1,707,160
Maintenance and repair construction of residential structures	2	163,670	246,915	526,233
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	135	213	473
Dog and cat food manufacturing	<1	12,511	30,648	121,503
Other animal food manufacturing	<1	22,626	45,188	288,123
Flour milling	<1	8,700	15,966	114,623
Rice milling	0	0	0	0
Malt manufacturing	<1	1,113	1,633	10,671
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	213	1,143	15,879
Fats and oils refining and blending	<1	1,377	3,169	36,676
Breakfast cereal manufacturing	<1	4,671	8,801	32,052
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	3,034	6,457	36,725
Nonchocolate confectionery manufacturing	<1	7,275	9,788	44,125
Chocolate and confectionery manufacturing from cacao beans	<1	1,180	1,747	12,182
Confectionery manufacturing from purchased chocolate	<1	13,503	18,159	94,427
Frozen fruits, juices and vegetables manufacturing	<1	7,275	12,352	55,401
Frozen specialties manufacturing	<1	17,707	22,154	91,888
Canned fruits and vegetables manufacturing	<1	16,519	26,340	120,063
Canned specialties	<1	634	1,129	5,270
Dehydrated food products manufacturing	<1	2,150	3,299	12,526
Cheese manufacturing	<1	24,088	34,335	348,297
Dry, condensed, and evaporated dairy product manufacturing	<1	4,455	8,566	66,784
Fluid milk manufacturing	<1	38,272	55,017	310,607
Creamery butter manufacturing	<1	112	317	2,425
Ice cream and frozen dessert manufacturing	<1	6,977	9,259	41,471



## Appendix

Frozen cakes and other pastries manufacturing	<1	37,399	56,293	101,803
Poultry processing	<1	11,128	13,876	70,137
Animal, except poultry, slaughtering	<1	9,179	12,804	96,261
Meat processed from carcasses	<1	38,873	42,043	284,213
Rendering and meat byproduct processing	<1	2,451	3,255	15,399
Seafood product preparation and packaging	<1	8,385	10,331	41,177
Bread and bakery product, except frozen, manufacturing	2	116,993	160,847	409,045
Cookie and cracker manufacturing	<1	16,744	22,254	83,662
Dry pasta, mixes, and dough manufacturing	<1	4,964	9,223	47,743
Tortilla manufacturing	<1	647	831	3,348
Roasted nuts and peanut butter manufacturing	<1	11,797	15,920	62,175
Other snack food manufacturing	<1	19,243	33,949	137,617
Coffee and tea manufacturing	<1	3,463	5,503	30,054
Flavoring syrup and concentrate manufacturing	<1	10,431	49,117	163,402
Mayonnaise, dressing, and sauce manufacturing	<1	2,409	3,830	17,408
Spice and extract manufacturing	<1	6,792	9,697	38,572
All other food manufacturing	<1	27,945	36,551	158,991
Bottled and canned soft drinks & water	<1	27,434	39,384	160,537
Manufactured ice	<1	2,667	1,877	6,413
Breweries	<1	37,153	86,317	198,117
Wineries	<1	28,724	47,583	158,614
Distilleries	<1	13,142	121,388	201,377
Tobacco product manufacturing	<1	4,293	237,594	304,440
Fiber, yarn, and thread mills	<1	3	5	63
Broadwoven fabric mills	<1	2,101	2,726	9,568
Narrow fabric mills and schiffli machine embroidery	<1	957	1,038	2,722
Nonwoven fabric mills	<1	14,809	20,170	79,579
Knit fabric mills	<1	240	296	1,235
Textile and fabric finishing mills	<1	6,995	8,397	24,458
Fabric coating mills	<1	3,374	3,922	13,011
Carpet and rug mills	<1	1,335	1,810	5,246
Curtain and linen mills	<1	3,343	3,996	12,647
Textile bag and canvas mills	<1	5,881	7,271	23,715
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,780	3,772	11,642

## Appendix

Other textile product mills	<1	5,197	5,925	15,025
Hosiery and sock mills	<1	2,430	3,122	6,307
Other apparel knitting mills	<1	2,240	3,072	6,178
Cut and sew apparel contractors	<1	15,786	17,490	32,322
Men's and boys' cut and sew apparel manufacturing	<1	11,559	13,025	28,400
Women's and girls' cut and sew apparel manufacturing	<1	11,211	13,763	44,186
Other cut and sew apparel manufacturing	<1	6,126	7,348	18,312
Apparel accessories and other apparel manufacturing	<1	6,173	7,395	17,046
Leather and hide tanning and finishing	<1	2,676	3,506	14,165
Footwear manufacturing	<1	1,238	1,339	3,841
Other leather and allied product manufacturing	<1	2,296	2,461	6,277
Sawmills	<1	15,235	17,965	97,567
Wood preservation	<1	272	354	2,565
Veneer and plywood manufacturing	<1	1,164	1,381	6,135
Engineered wood member and truss manufacturing	<1	2,209	2,385	10,477
Reconstituted wood product manufacturing	<1	834	1,133	8,364
Wood windows and door manufacturing	<1	16,602	16,947	57,925
Cut stock, resawing lumber, and planing	<1	2,313	2,755	12,750
Other millwork, including flooring	<1	14,378	15,106	56,369
Wood container and pallet manufacturing	<1	9,050	9,149	31,229
Manufactured home (mobile home) manufacturing	<1	4	4	14
Prefabricated wood building manufacturing	<1	1,497	1,513	6,212
All other miscellaneous wood product manufacturing	<1	4,953	4,992	20,278
Pulp mills	<1	109	121	463
Paper mills	<1	107,245	143,277	580,190
Paperboard mills	<1	13,232	17,334	64,929
Paperboard container manufacturing	<1	67,207	79,902	319,177
Paper bag and coated and treated paper manufacturing	<1	38,212	44,654	149,062
Stationery product manufacturing	<1	4,729	5,197	16,898

## Appendix

Sanitary paper product manufacturing	<1	17,700	27,573	121,920
All other converted paper product manufacturing	<1	2,165	2,701	10,862
Printing	5	359,351	534,144	1,053,780
Support activities for printing	<1	9,613	14,854	20,524
Petroleum refineries	<1	426	5,520	39,370
Asphalt paving mixture and block manufacturing	<1	6,913	11,458	31,149
Asphalt shingle and coating materials manufacturing	<1	2,055	8,573	15,039
Petroleum lubricating oil and grease manufacturing	<1	9,008	31,455	73,261
All other petroleum and coal products manufacturing	<1	607	2,419	4,841
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	13,561	48,432	112,318
Synthetic dye and pigment manufacturing	<1	3,285	7,564	18,749
Other basic inorganic chemical manufacturing	<1	7,217	19,297	52,889
Other basic organic chemical manufacturing	<1	14,690	43,254	241,247
Plastics material and resin manufacturing	<1	7,224	15,373	83,751
Synthetic rubber manufacturing	<1	1,950	3,129	11,475
Artificial and synthetic fibers and filaments manufacturing	<1	8,995	14,697	53,114
Nitrogenous fertilizer manufacturing	<1	927	4,053	11,033
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1,040	2,488	7,632
Pesticide and other agricultural chemical manufacturing	<1	8,268	36,347	135,985
Medicinal and botanical manufacturing	<1	3,281	5,922	16,984
Pharmaceutical preparation manufacturing	2	242,430	775,610	2,050,834
In-vitro diagnostic substance manufacturing	<1	3,547	5,839	15,533
Biological product (except diagnostic) manufacturing	<1	93,446	321,797	575,552
Paint and coating manufacturing	<1	4,416	10,606	37,293
Adhesive manufacturing	<1	1,168	2,168	8,398
Soap and other detergent manufacturing	<1	14,787	48,038	115,778
Polish and other sanitation good manufacturing	<1	13,630	25,982	77,151

## Appendix

Surface active agent manufacturing	<1	190	947	2,841
Toilet preparation manufacturing	<1	56,390	198,525	446,417
Printing ink manufacturing	<1	4,613	5,426	24,628
Explosives manufacturing	<1	153	183	610
Custom compounding of purchased resins	<1	1,288	2,861	10,299
Photographic film and chemical manufacturing	<1	31,135	77,945	233,134
Other miscellaneous chemical product manufacturing	<1	12,015	22,075	78,715
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	14,295	35,328	100,684
Unlaminated plastics profile shape manufacturing	<1	7,780	30,763	60,657
Plastics pipe and pipe fitting manufacturing	<1	3,149	17,198	37,995
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,703	4,470	7,832
Polystyrene foam product manufacturing	<1	11,155	31,810	82,650
Urethane and other foam product (except polystyrene) manufacturing	<1	3,776	10,328	28,200
Plastics bottle manufacturing	<1	1,263	2,975	10,937
Other plastics product manufacturing	2	134,064	287,413	693,819
Tire manufacturing	<1	25,791	41,407	122,613
Rubber and plastics hoses and belting manufacturing	<1	2,531	5,989	15,079
Other rubber product manufacturing	<1	13,560	22,200	60,942
Pottery, ceramics, and plumbing fixture manufacturing	<1	7,112	14,475	23,904
Brick, tile, and other structural clay product manufacturing	<1	6,263	14,395	27,306
Flat glass manufacturing	<1	1,904	5,297	10,080
Other pressed and blown glass and glassware manufacturing	<1	13,502	29,702	60,048
Glass container manufacturing	<1	4,268	8,961	19,098
Glass product manufacturing made of purchased glass	<1	18,119	44,990	88,794
Cement manufacturing	<1	2,720	9,252	19,876
Ready-mix concrete manufacturing	<1	18,803	41,315	107,935
Concrete block and brick manufacturing	<1	4,198	10,283	21,168
Concrete pipe manufacturing	<1	747	1,677	3,233

## Appendix

Other concrete product manufacturing	<1	6,766	13,038	28,137
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	4,626	20,525	41,795
Abrasive product manufacturing	<1	3,975	12,599	19,351
Cut stone and stone product manufacturing	<1	10,670	16,851	34,833
Ground or treated mineral and earth manufacturing	<1	4,288	14,882	28,879
Mineral wool manufacturing	<1	2,213	9,145	16,782
Miscellaneous nonmetallic mineral products manufacturing	<1	5,277	16,825	30,308
Iron and steel mills and ferroalloy manufacturing	<1	16,061	38,089	301,727
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,132	3,832	21,247
Rolled steel shape manufacturing	<1	9,898	24,447	100,573
Steel wire drawing	<1	152	254	1,572
Alumina refining and primary aluminum production	<1	5,861	8,617	47,578
Secondary smelting and alloying of aluminum	<1	2,114	3,662	42,711
Aluminum sheet, plate, and foil manufacturing	<1	33,678	58,642	244,955
Other aluminum rolling, drawing and extruding	<1	3,898	5,074	24,127
Nonferrous metal (exc aluminum) smelting and refining	<1	875	3,863	18,142
Copper rolling, drawing, extruding and alloying	<1	52,469	90,011	822,216
Nonferrous metal, except copper and aluminum, shaping	<1	7,292	8,501	33,762
Secondary processing of other nonferrous metals	<1	941	1,597	8,532
Ferrous metal foundries	<1	6,094	8,044	21,939
Nonferrous metal foundries	<1	3,933	4,758	13,255
Custom roll forming	<1	243	312	1,904
Crown and closure manufacturing and metal stamping	<1	11,807	14,044	46,329
Iron and steel forging	<1	7,017	8,596	31,717
Nonferrous forging	<1	1,111	1,297	4,578
Cutlery, utensil, pot, and pan manufacturing	<1	10,208	16,266	59,696
Handtool manufacturing	<1	5,427	7,331	19,245
Prefabricated metal buildings and components manufacturing	<1	2,123	2,728	9,504

## Appendix

Fabricated structural metal manufacturing	<1	23,204	30,156	105,898
Plate work manufacturing	<1	7,284	7,995	23,483
Metal window and door manufacturing	<1	12,397	15,283	44,303
Sheet metal work manufacturing	<1	20,964	25,389	76,787
Ornamental and architectural metal work manufacturing	<1	17,062	19,249	50,582
Power boiler and heat exchanger manufacturing	<1	3,013	3,701	11,093
Metal tank (heavy gauge) manufacturing	<1	1,377	1,577	4,721
Metal cans manufacturing	<1	4,721	7,127	38,619
Metal barrels, drums and pails manufacturing	<1	1,654	1,996	9,192
Hardware manufacturing	<1	3,683	4,828	19,582
Spring and wire product manufacturing	<1	9,098	10,831	34,279
Machine shops	<1	65,943	73,352	163,382
Turned product and screw, nut, and bolt manufacturing	<1	25,777	30,296	92,410
Metal heat treating	<1	3,631	4,309	11,132
Metal coating and nonprecious engraving	<1	8,320	11,743	33,560
Electroplating, anodizing, and coloring metal	<1	11,969	12,707	26,887
Valve and fittings, other than plumbing, manufacturing	3	250,786	333,066	1,052,168
Plumbing fixture fitting and trim manufacturing	<1	2,204	3,843	15,165
Ball and roller bearing manufacturing	<1	7,318	9,906	29,427
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	6,534	10,452	31,255
Fabricated pipe and pipe fitting manufacturing	<1	3,477	3,957	9,393
Other fabricated metal manufacturing	<1	22,605	26,987	79,327
Farm machinery and equipment manufacturing	<1	740	1,357	5,950
Lawn and garden equipment manufacturing	<1	1,338	2,329	10,773
Construction machinery manufacturing	<1	298	665	2,034
Mining machinery and equipment manufacturing	<1	8	11	28

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	173	218	627
Semiconductor machinery manufacturing	<1	708	843	2,409
Food product machinery manufacturing	<1	19	21	64
Sawmill, woodworking, and paper machinery	<1	165	193	694
Printing machinery and equipment manufacturing	<1	213	237	727
All other industrial machinery manufacturing	<1	8,847	11,273	30,422
Optical instrument and lens manufacturing	<1	12,989	18,600	47,945
Photographic and photocopying equipment manufacturing	<1	195	236	737
Other commercial service industry machinery manufacturing	<1	2,153	3,288	10,392
Air purification and ventilation equipment manufacturing	<1	1,125	1,435	3,957
Heating equipment (except warm air furnaces) manufacturing	<1	3,341	4,987	13,266
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,577	4,176	13,347
Industrial mold manufacturing	<1	844	1,004	2,338
Special tool, die, jig, and fixture manufacturing	<1	1,177	1,500	2,998
Cutting tool and machine tool accessory manufacturing	<1	1,367	1,565	3,396
Machine tool manufacturing	<1	455	568	1,752
Rolling mill and other metalworking machinery manufacturing	<1	1,138	1,477	3,550
Turbine and turbine generator set units manufacturing	<1	602	660	1,819
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,357	4,576	12,472
Mechanical power transmission equipment manufacturing	<1	4,967	6,807	18,364
Other engine equipment manufacturing	<1	4,452	9,147	37,663
Pump and pumping equipment manufacturing	<1	492	782	2,383
Air and gas compressor manufacturing	<1	455	596	1,762
Elevator and moving stairway manufacturing	<1	232	295	1,053

## Appendix

Conveyor and conveying equipment manufacturing	<1	146	166	448
Overhead cranes, hoists, and monorail systems manufacturing	<1	112	188	680
Industrial truck, trailer, and stacker manufacturing	<1	1,241	1,941	6,578
Power-driven handtool manufacturing	<1	547	1,379	3,848
Welding and soldering equipment manufacturing	<1	29	42	147
Packaging machinery manufacturing	<1	733	1,032	2,767
Industrial process furnace and oven manufacturing	<1	152	181	394
Fluid power cylinder and actuator manufacturing	<1	2,672	3,650	9,049
Fluid power pump and motor manufacturing	<1	1,660	2,538	7,139
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,212	1,456	3,876
Electronic computer manufacturing	<1	16,312	19,958	60,673
Computer storage device manufacturing	<1	963	1,204	4,888
Computer terminals and other computer peripheral equipment manufacturing	<1	10,871	13,311	32,595
Telephone apparatus manufacturing	<1	473	668	2,996
Broadcast and wireless communications equipment manufacturing	<1	86,150	102,332	255,003
Other communications equipment manufacturing	<1	6,637	8,370	25,360
Audio and video equipment manufacturing	<1	1,699	2,246	11,236
Printed circuit assembly (electronic assembly) manufacturing	<1	19,033	23,886	114,275
Bare printed circuit board manufacturing	<1	1,310	1,473	3,844
Semiconductor and related device manufacturing	<1	39,065	52,435	181,319
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	7,647	8,530	28,831
Electronic connector manufacturing	<1	66,599	75,299	219,178
Other electronic component manufacturing	<1	65,058	76,463	226,218



Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	433	547	2,085
Search, detection, and navigation instruments manufacturing	<1	10,027	13,749	38,326
Automatic environmental control manufacturing	<1	2,933	3,419	9,107
Industrial process variable instruments manufacturing	<1	1,835	2,159	6,700
Totalizing fluid meter and counting device manufacturing	<1	474	685	2,118
Electricity and signal testing instruments manufacturing	<1	44,130	50,512	155,857
Analytical laboratory instrument manufacturing	2	198,983	267,557	780,232
Irradiation apparatus manufacturing	<1	262	341	1,392
Watch, clock, and other measuring and controlling device manufacturing	<1	63,444	77,071	271,500
Blank magnetic and optical recording media manufacturing	<1	482	1,043	5,340
Software and other prerecorded and record reproducing	<1	2,319	2,846	7,296
Electric lamp bulb and part manufacturing	<1	638	770	2,117
Lighting fixture manufacturing	<1	15,689	17,531	54,961
Small electrical appliance manufacturing	<1	2,071	2,839	15,214
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	110	125	440
Motor and generator manufacturing	<1	1,082	1,361	6,080
Switchgear and switchboard apparatus manufacturing	<1	1,404	1,692	6,353
Relay and industrial control manufacturing	<1	14,485	15,992	46,921
Storage battery manufacturing	<1	4,997	5,881	20,701
Primary battery manufacturing	<1	1,154	-2,667	3,100
Fiber optic cable manufacturing	<1	4,770	5,864	35,355

## Appendix

Other communication and energy wire manufacturing	<1	1,677	1,972	11,488
Wiring device manufacturing	<1	13,720	16,621	42,497
Carbon and graphite product manufacturing	<1	8,252	10,159	42,921
All other miscellaneous electrical equipment and component manufacturing	<1	53,572	58,039	166,529
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	23	48	278
Motor vehicle body manufacturing	<1	291	395	1,567
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	418	524	2,577
Motor vehicle gasoline engine and engine parts manufacturing	<1	7,411	11,941	53,584
Motor vehicle electrical and electronic equipment manufacturing	<1	20,591	27,839	120,267
Motor vehicle transmission and power train parts manufacturing	<1	27,336	40,626	176,620
Motor vehicle seating and interior trim manufacturing	<1	293	355	1,552
Motor vehicle metal stamping	<1	22,649	28,530	84,626
Other motor vehicle parts manufacturing	<1	37,151	51,560	198,228
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	27,787	41,095	131,301
Aircraft manufacturing	<1	1,790	3,418	7,386
Aircraft engine and engine parts manufacturing	<1	7,059	18,039	40,265
Other aircraft parts and auxiliary equipment manufacturing	11	1,288,496	1,812,963	3,465,075
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	72	107	189
Railroad rolling stock manufacturing	<1	278	311	1,140
Ship building and repairing	<1	872	1,255	2,219
Boat building	<1	719	1,123	3,496
Motorcycle, bicycle, and parts manufacturing	<1	161	582	1,310

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	130	302	1,484
Wood kitchen cabinet and countertop manufacturing	<1	12,294	13,752	35,906
Upholstered household furniture manufacturing	<1	4,612	4,933	16,425
Nonupholstered wood household furniture manufacturing	<1	9,454	10,108	29,259
Other household nonupholstered furniture manufacturing	<1	2,948	3,850	17,516
Institutional furniture manufacturing	<1	116	121	382
Wood office furniture manufacturing	<1	114	129	411
Custom architectural woodwork and millwork	<1	802	580	1,941
Office furniture, except wood, manufacturing	<1	206	252	855
Showcase, partition, shelving, and locker manufacturing	<1	1,616	1,837	5,961
Mattress manufacturing	<1	3,175	4,245	20,970
Blind and shade manufacturing	<1	1,725	1,681	5,699
Surgical and medical instrument manufacturing	<1	3,637	4,582	10,670
Surgical appliance and supplies manufacturing	<1	12,977	18,836	52,113
Dental equipment and supplies manufacturing	<1	690	888	2,226
Ophthalmic goods manufacturing	<1	17,686	24,130	50,303
Dental laboratories	<1	17,913	19,095	32,849
Jewelry and silverware manufacturing	<1	23,993	32,565	77,307
Sporting and athletic goods manufacturing	<1	4,552	5,625	18,651
Doll, toy, and game manufacturing	<1	10,337	17,541	46,163
Office supplies (except paper) manufacturing	<1	9,680	11,995	33,752
Sign manufacturing	<1	5,722	5,273	11,799
Gasket, packing, and sealing device manufacturing	<1	5,831	6,293	14,619
Musical instrument manufacturing	<1	3,684	3,865	8,442
Fasteners, buttons, needles, and pins manufacturing	<1	680	724	1,730

## Appendix

Broom, brush, and mop manufacturing	<1	5,083	5,740	17,731
Burial casket manufacturing	<1	420	550	1,362
All other miscellaneous manufacturing	<1	18,484	22,848	57,844
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	105,611	212,611	517,244
Wholesale - Professional and commercial equipment and supplies	5	730,170	1,082,651	1,822,287
Wholesale - Household appliances and electrical and electronic goods	2	255,300	545,826	1,203,528
Wholesale - Machinery, equipment, and supplies	2	256,805	453,013	843,669
Wholesale - Other durable goods merchant wholesalers	5	601,147	1,013,896	2,008,412
Wholesale - Drugs and druggistsâ€™ sundries	2	346,688	732,497	1,690,924
Wholesale - Grocery and related product wholesalers	5	430,263	600,003	1,210,213
Wholesale - Petroleum and petroleum products	<1	59,216	755,878	866,367
Wholesale - Other nondurable goods merchant wholesalers	6	819,501	1,679,238	2,857,618
Wholesale - Wholesale electronic markets and agents and brokers	2	310,493	343,201	403,817
Retail - Motor vehicle and parts dealers	4	353,141	528,471	707,695
Retail - Furniture and home furnishings stores	4	235,593	336,831	515,550
Retail - Electronics and appliance stores	4	283,934	264,956	408,600
Retail - Building material and garden equipment and supplies stores	4	235,856	492,794	675,999
Retail - Food and beverage stores	19	783,926	1,183,128	1,861,265
Retail - Health and personal care stores	8	480,371	622,537	882,635
Retail - Gasoline stores	3	121,578	303,103	539,892
Retail - Clothing and clothing accessories stores	8	423,551	704,615	1,186,389
Retail - Sporting goods, hobby, musical instrument and book stores	5	212,703	293,144	437,951
Retail - General merchandise stores	12	519,143	896,281	1,370,651
Retail - Miscellaneous store retailers	10	630,172	604,126	823,615
Retail - Nonstore retailers	12	445,217	2,373,455	3,439,032
Air transportation	3	503,523	1,001,365	1,870,506

## Appendix

Rail transportation	<1	74,747	175,461	336,585
Water transportation	<1	76,957	169,375	579,274
Truck transportation	8	616,677	858,430	1,819,211
Transit and ground passenger transportation	21	1,007,680	1,047,264	1,361,072
Pipeline transportation	<1	171,734	252,782	287,244
Scenic and sightseeing transportation and support activities for transportation	8	835,287	649,255	980,968
Couriers and messengers	13	355,765	644,371	801,390
Warehousing and storage	6	360,161	379,592	692,120
Newspaper publishers	<1	118,918	204,959	253,706
Periodical publishers	<1	170,633	252,861	361,251
Book publishers	<1	114,562	327,421	551,682
Directory, mailing list, and other publishers	<1	45,593	116,454	166,043
Greeting card publishing	<1	632	2,319	3,673
Software publishers	11	2,699,318	5,713,503	6,838,447
Motion picture and video industries	3	502,808	804,804	1,241,042
Sound recording industries	<1	47,990	315,076	371,523
Radio and television broadcasting	2	1,595,584	1,858,429	2,395,433
Cable and other subscription programming	<1	657,338	1,965,968	2,883,411
Wired telecommunications carriers	4	483,768	1,040,870	1,816,578
Wireless telecommunications carriers (except satellite)	<1	59,319	456,895	909,055
Satellite, telecommunications resellers, and all other telecommunications	<1	61,385	72,991	157,667
Data processing, hosting, and related services	4	879,331	1,910,318	3,756,542
News syndicates, libraries, archives and all other information services	1	204,191	340,938	575,155
Internet publishing and broadcasting and web search portals	4	1,366,353	3,793,695	7,782,627
Nondepository credit intermediation and related activities	4	848,885	934,678	1,202,719
Securities and commodity contracts intermediation and brokerage	13	4,095,177	3,482,290	3,878,118
Monetary authorities and depository credit intermediation	7	1,609,346	13,912,202	13,918,091

## Appendix

Other financial investment activities	12	3,439,803	3,952,409	4,942,420
Direct life insurance carriers	2	383,187	1,155,904	1,276,684
Insurance carriers, except direct life	6	876,440	4,917,261	6,794,502
Insurance agencies, brokerages, and related activities	5	622,002	1,439,240	2,292,308
Funds, trusts, and other financial vehicles	8	496,830	362,226	1,678,337
Other real estate	117	1,716,801	11,686,927	26,351,819
Tenant-occupied housing	19	240,748	3,828,439	4,279,400
Owner-occupied dwellings	0	0	10,512,045	12,686,298
Automotive equipment rental and leasing	1	183,777	419,753	510,508
General and consumer goods rental except video tapes and discs	2	193,938	284,200	370,619
Video tape and disc rental	<1	42,914	69,391	105,245
Commercial and industrial machinery and equipment rental and leasing	1	224,426	457,197	558,086
Lessors of nonfinancial intangible assets	<1	55,433	920,490	963,298
Legal services	30	5,072,511	7,833,370	9,807,547
Accounting, tax preparation, bookkeeping, and payroll services	12	1,635,590	1,813,862	2,576,774
Architectural, engineering, and related services	20	2,359,314	2,476,234	4,091,642
Specialized design services	2	189,374	251,294	422,421
Custom computer programming services	5	851,694	886,434	1,106,659
Computer systems design services	5	708,553	684,916	834,395
Other computer related services, including facilities management	1	204,862	295,378	463,045
Management consulting services	44	7,633,693	7,782,173	10,508,246
Environmental and other technical consulting services	4	540,163	569,325	843,817
Scientific research and development services	598	78,436,656	100,652,885	172,871,720
Advertising, public relations, and related services	11	1,787,488	2,216,368	3,775,789
Photographic services	<1	48,004	87,290	173,966
Veterinary services	2	111,923	118,809	173,163
Marketing research and all other miscellaneous professional, scientific, and technical services	15	2,082,868	2,689,031	5,258,307
Management of companies and enterprises	38	6,806,748	7,683,105	11,196,892

## Appendix

Office administrative services	13	1,430,399	549,456	1,187,079
Facilities support services	<1	52,524	72,238	151,101
Employment services	55	4,231,710	5,852,000	8,459,602
Business support services	8	799,468	700,017	1,006,523
Travel arrangement and reservation services	2	180,522	294,324	769,761
Investigation and security services	9	483,743	508,695	705,353
Services to buildings	14	712,280	1,039,958	1,842,572
Landscape and horticultural services	6	353,327	453,430	768,018
Other support services	3	216,769	279,513	508,048
Waste management and remediation services	3	233,187	385,376	761,410
Elementary and secondary schools	11	744,230	607,166	704,787
Junior colleges, colleges, universities, and professional schools	53	4,400,853	5,577,571	6,762,538
Other educational services	14	780,079	907,641	1,596,188
Offices of physicians	23	2,828,266	2,849,369	3,972,621
Offices of dentists	7	567,708	658,513	875,544
Offices of other health practitioners	8	491,460	698,746	887,065
Outpatient care centers	7	600,312	591,731	911,927
Medical and diagnostic laboratories	3	244,877	366,899	493,210
Home health care services	21	912,003	908,987	1,222,933
Other ambulatory health care services	2	164,720	189,201	293,432
Hospitals	47	5,515,212	6,365,865	10,738,987
Nursing and community care facilities	10	734,774	785,925	1,149,078
Residential mental retardation, mental health, substance abuse and other facilities	7	526,334	542,115	729,842
Individual and family services	37	1,642,284	1,431,063	1,880,654
Child day care services	11	468,197	699,223	877,044
Community food, housing, and other relief services, including rehabilitation services	7	357,593	337,252	639,425
Performing arts companies	2	179,662	263,883	371,295
Commercial Sports Except Racing	3	381,973	320,324	372,950
Racing and Track Operation	<1	41,032	60,526	83,962
Independent artists, writers, and performers	3	278,702	562,231	677,325

## Appendix

Promoters of performing arts and sports and agents for public figures	4	279,195	529,643	809,043
Museums, historical sites, zoos, and parks	1	90,883	105,379	159,208
Amusement parks and arcades	<1	8,773	15,092	18,664
Gambling industries (except casino hotels)	2	164,457	437,236	536,969
Other amusement and recreation industries	4	162,814	187,239	247,187
Fitness and recreational sports centers	4	132,682	162,070	241,949
Bowling centers	<1	17,471	29,236	41,834
Hotels and motels, including casino hotels	12	896,028	1,943,480	2,473,593
Other accommodations	5	342,570	433,245	520,079
Full-service restaurants	37	1,693,059	2,398,433	4,066,321
Limited-service restaurants	25	895,450	1,380,509	2,848,366
All other food and drinking places	23	1,127,363	1,591,584	2,312,617
Automotive repair and maintenance, except car washes	10	672,350	753,420	1,069,326
Car washes	4	322,395	478,302	679,379
Electronic and precision equipment repair and maintenance	3	324,378	442,056	647,527
Commercial and industrial machinery and equipment repair and maintenance	2	177,552	212,935	303,045
Personal and household goods repair and maintenance	2	115,192	210,987	286,614
Personal care services	15	476,709	209,563	280,124
Death care services	2	94,647	52,565	74,823
Dry-cleaning and laundry services	6	201,171	100,010	138,528
Other personal services	7	281,206	349,010	470,034
Religious organizations	18	1,218,682	404,481	1,463,781
Grantmaking, giving, and social advocacy organizations	5	489,233	1,192,951	1,617,736
Business and professional associations	2	240,417	346,539	519,476
Labor and civic organizations	5	337,334	790,731	1,178,989
Private households	4	111,241	111,241	111,241
Postal service	4	447,658	450,975	451,139
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	8,115	25,179	44,678
State government passenger transit	<1	41,466	-14,481	10,357



## Appendix

State government electric utilities	2	256,417	469,033	858,490
Other state government enterprises	<1	229,878	182,684	318,989
Local government passenger transit	3	420,184	-107,622	33,394
Local government electric utilities	<1	163	331	871
Other local government enterprises	6	726,195	171,548	1,809,406
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	79	13,165,124	19,813,299	31,286,695

## Moon to Mars Campaign

**Table 722: Detailed M2M Campaign Impacts by Types of Impact, New York**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>151</i>	<i>16,119,733</i>	<i>25,026,398</i>	<i>40,847,832</i>
Oilseed farming	<1	3,851	12,916	16,018
Grain farming	<1	4,253	19,282	19,927
Vegetable and melon farming	<1	2,348	5,401	5,850
Fruit farming	<1	2,327	4,041	4,107
Tree nut farming	<1	6	11	12
Greenhouse, nursery, and floriculture production	<1	964	2,226	2,665
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,252	2,636	3,211
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,284	4,494	5,643
Dairy cattle and milk production	<1	4,421	12,143	30,720
Poultry and egg production	<1	320	910	5,104
Animal production, except cattle and poultry and eggs	<1	2,882	7,463	8,122
Forestry, forest products, and timber tract production	<1	684	740	884
Commercial logging	<1	833	987	1,736
Commercial fishing	<1	333	909	910
Commercial hunting and trapping	<1	389	421	486
Support activities for agriculture and forestry	<1	4,061	4,491	4,957
Oil and gas extraction	<1	5,188	326	13,720
Coal mining	<1	17	28	60
Copper, nickel, lead, and zinc mining	<1	818	1,650	4,153
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	745	1,107	2,785
Sand and gravel mining	<1	1,085	1,354	2,779
Other clay, ceramic, refractory minerals mining	<1	29	37	85
Potash, soda, and borate mineral mining	<1	81	102	226
Phosphate rock mining	<1	24	32	77
Other chemical and fertilizer mineral mining	<1	35	45	102
Other nonmetallic minerals	<1	816	1,094	2,560
Drilling oil and gas wells	<1	2	<1	3
Support activities for oil and gas operations	<1	4	1	5
Metal mining services	<1	390	42	1,200
Other nonmetallic minerals services	<1	7	<1	19
Electric power generation - Hydroelectric	<1	1,442	2,581	4,336

## Appendix

Electric power generation - Fossil fuel	<1	6,355	15,127	31,820
Electric power generation - Nuclear	<1	10,116	16,549	29,722
Electric power generation - Solar	<1	1,188	2,255	3,876
Electric power generation - Wind	<1	811	3,514	5,668
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	538	1,072	2,191
Electric power generation - All other	<1	37	4	27
Electric power transmission and distribution	<1	65,958	153,979	321,737
Natural gas distribution	<1	24,424	57,593	101,116
Water, sewage and other systems	<1	2,300	3,615	5,290
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	28,876	46,718	101,028
Maintenance and repair construction of residential structures	<1	11,811	18,153	38,017
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	16	34
Dog and cat food manufacturing	<1	789	1,958	7,681
Other animal food manufacturing	<1	1,336	2,755	17,190
Flour milling	<1	566	1,046	7,676

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	82	126	831
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	16	88	1,201
Fats and oils refining and blending	<1	123	288	3,266
Breakfast cereal manufacturing	<1	288	537	1,923
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	293	661	3,544
Nonchocolate confectionery manufacturing	<1	553	743	3,325
Chocolate and confectionery manufacturing from cacao beans	<1	113	168	1,148
Confectionery manufacturing from purchased chocolate	<1	1,089	1,494	7,502
Frozen fruits, juices and vegetables manufacturing	<1	572	997	4,265
Frozen specialties manufacturing	<1	1,304	1,627	6,804
Canned fruits and vegetables manufacturing	<1	1,449	2,354	10,567
Canned specialties	<1	53	95	438
Dehydrated food products manufacturing	<1	187	287	1,079
Cheese manufacturing	<1	1,925	2,744	29,004
Dry, condensed, and evaporated dairy product manufacturing	<1	376	728	5,672
Fluid milk manufacturing	<1	3,251	4,794	26,749
Creamery butter manufacturing	<1	10	28	210
Ice cream and frozen dessert manufacturing	<1	559	753	3,307
Frozen cakes and other pastries manufacturing	<1	3,060	4,616	8,314
Poultry processing	<1	692	881	4,455
Animal, except poultry, slaughtering	<1	623	879	6,647
Meat processed from carcasses	<1	2,852	3,103	20,896
Rendering and meat byproduct processing	<1	188	250	1,185
Seafood product preparation and packaging	<1	668	848	3,252
Bread and bakery product, except frozen, manufacturing	<1	9,409	13,026	33,059
Cookie and cracker manufacturing	<1	1,444	1,989	7,059
Dry pasta, mixes, and dough manufacturing	<1	352	657	3,535
Tortilla manufacturing	<1	45	58	236

## Appendix

Roasted nuts and peanut butter manufacturing	<1	917	1,289	4,845
Other snack food manufacturing	<1	1,399	2,485	9,975
Coffee and tea manufacturing	<1	282	457	2,491
Flavoring syrup and concentrate manufacturing	<1	717	3,473	11,252
Mayonnaise, dressing, and sauce manufacturing	<1	205	325	1,470
Spice and extract manufacturing	<1	659	966	3,774
All other food manufacturing	<1	2,106	2,764	12,155
Bottled and canned soft drinks & water	<1	1,820	2,649	10,809
Manufactured ice	<1	191	137	446
Breweries	<1	3,090	7,446	16,972
Wineries	<1	2,453	4,128	13,396
Distilleries	<1	956	9,327	14,962
Tobacco product manufacturing	<1	323	21,236	25,316
Fiber, yarn, and thread mills	<1	0	0	5
Broadwoven fabric mills	<1	140	188	631
Narrow fabric mills and schiffli machine embroidery	<1	68	75	191
Nonwoven fabric mills	<1	1,388	2,051	7,422
Knit fabric mills	<1	25	33	135
Textile and fabric finishing mills	<1	526	635	1,806
Fabric coating mills	<1	341	398	1,272
Carpet and rug mills	<1	91	129	346
Curtain and linen mills	<1	276	337	1,030
Textile bag and canvas mills	<1	407	520	1,633
Rope, cordage, twine, tire cord and tire fabric mills	<1	132	192	556
Other textile product mills	<1	395	461	1,131
Hosiery and sock mills	<1	185	243	462
Other apparel knitting mills	<1	156	221	419
Cut and sew apparel contractors	<1	1,057	1,173	2,128
Men's and boys' cut and sew apparel manufacturing	<1	1,072	1,222	2,571
Women's and girls' cut and sew apparel manufacturing	<1	986	1,244	3,782
Other cut and sew apparel manufacturing	<1	637	771	1,865
Apparel accessories and other apparel manufacturing	<1	531	646	1,410
Leather and hide tanning and finishing	<1	234	318	1,227
Footwear manufacturing	<1	103	112	308
Other leather and allied product manufacturing	<1	189	205	506

Appendix

Sawmills	<1	919	1,075	5,863
Wood preservation	<1	16	21	156
Veneer and plywood manufacturing	<1	72	84	383
Engineered wood member and truss manufacturing	<1	163	174	764
Reconstituted wood product manufacturing	<1	52	70	514
Wood windows and door manufacturing	<1	811	820	2,795
Cut stock, resawing lumber, and planing	<1	133	155	737
Other millwork, including flooring	<1	798	824	3,068
Wood container and pallet manufacturing	<1	692	692	2,369
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	89	89	364
All other miscellaneous wood product manufacturing	<1	436	419	1,654
Pulp mills	<1	8	9	35
Paper mills	<1	7,391	8,952	39,486
Paperboard mills	<1	1,106	1,358	5,382
Paperboard container manufacturing	<1	8,685	10,353	42,284
Paper bag and coated and treated paper manufacturing	<1	3,382	3,842	12,986
Stationery product manufacturing	<1	453	489	1,543
Sanitary paper product manufacturing	<1	1,348	2,023	9,304
All other converted paper product manufacturing	<1	170	210	863
Printing	<1	35,071	52,347	104,320
Support activities for printing	<1	835	1,304	1,774
Petroleum refineries	<1	34	491	3,256
Asphalt paving mixture and block manufacturing	<1	445	756	1,982
Asphalt shingle and coating materials manufacturing	<1	140	642	1,045
Petroleum lubricating oil and grease manufacturing	<1	1,243	4,441	9,979
All other petroleum and coal products manufacturing	<1	58	232	446
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,397	9,333	20,366

## Appendix

Synthetic dye and pigment manufacturing	<1	509	1,240	3,076
Other basic inorganic chemical manufacturing	<1	481	1,377	3,604
Other basic organic chemical manufacturing	<1	1,107	3,428	18,666
Plastics material and resin manufacturing	<1	782	1,762	9,274
Synthetic rubber manufacturing	<1	183	299	1,104
Artificial and synthetic fibers and filaments manufacturing	<1	543	890	3,223
Nitrogenous fertilizer manufacturing	<1	75	356	852
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	67	173	500
Pesticide and other agricultural chemical manufacturing	<1	553	2,585	9,523
Medicinal and botanical manufacturing	<1	310	566	1,537
Pharmaceutical preparation manufacturing	<1	20,379	67,948	174,988
In-vitro diagnostic substance manufacturing	<1	385	617	1,672
Biological product (except diagnostic) manufacturing	<1	9,179	30,718	52,816
Paint and coating manufacturing	<1	803	2,054	7,102
Adhesive manufacturing	<1	126	243	909
Soap and other detergent manufacturing	<1	1,107	3,863	8,433
Polish and other sanitation good manufacturing	<1	956	1,923	5,465
Surface active agent manufacturing	<1	11	58	164
Toilet preparation manufacturing	<1	4,646	17,083	37,424
Printing ink manufacturing	<1	503	573	2,615
Explosives manufacturing	<1	20	25	84
Custom compounding of purchased resins	<1	239	618	2,029
Photographic film and chemical manufacturing	<1	1,922	5,130	13,970
Other miscellaneous chemical product manufacturing	<1	470	897	3,211
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,206	5,494	15,448
Unlaminated plastics profile shape manufacturing	<1	632	2,558	4,825
Plastics pipe and pipe fitting manufacturing	<1	307	1,698	3,718

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	353	937	1,650
Polystyrene foam product manufacturing	<1	968	2,812	7,189
Urethane and other foam product (except polystyrene) manufacturing	<1	293	817	2,189
Plastics bottle manufacturing	<1	112	265	956
Other plastics product manufacturing	<1	16,985	37,842	87,796
Tire manufacturing	<1	1,761	2,922	8,458
Rubber and plastics hoses and belting manufacturing	<1	913	2,182	5,705
Other rubber product manufacturing	<1	1,124	1,848	5,225
Pottery, ceramics, and plumbing fixture manufacturing	<1	650	1,327	2,134
Brick, tile, and other structural clay product manufacturing	<1	387	860	1,649
Flat glass manufacturing	<1	136	371	708
Other pressed and blown glass and glassware manufacturing	<1	831	1,836	3,647
Glass container manufacturing	<1	305	644	1,373
Glass product manufacturing made of purchased glass	<1	1,061	2,573	5,141
Cement manufacturing	<1	231	750	1,657
Ready-mix concrete manufacturing	<1	1,344	2,865	7,574
Concrete block and brick manufacturing	<1	448	1,055	2,236
Concrete pipe manufacturing	<1	58	127	249
Other concrete product manufacturing	<1	439	827	1,824
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	376	1,611	3,341
Abrasive product manufacturing	<1	1,033	3,106	4,865
Cut stone and stone product manufacturing	<1	641	1,003	2,075
Ground or treated mineral and earth manufacturing	<1	280	924	1,863
Mineral wool manufacturing	<1	150	582	1,071
Miscellaneous nonmetallic mineral products manufacturing	<1	130	422	737
Iron and steel mills and ferroalloy manufacturing	<1	1,828	4,020	35,988
Iron, steel pipe and tube manufacturing from purchased steel	<1	700	1,275	7,115



## Appendix

Rolled steel shape manufacturing	<1	3,152	8,209	33,611
Steel wire drawing	<1	38	65	403
Alumina refining and primary aluminum production	<1	2,139	3,169	18,003
Secondary smelting and alloying of aluminum	<1	732	1,299	15,071
Aluminum sheet, plate, and foil manufacturing	<1	23,545	42,393	177,654
Other aluminum rolling, drawing and extruding	<1	2,906	3,804	18,114
Nonferrous metal (exc aluminum) smelting and refining	<1	205	867	4,132
Copper rolling, drawing, extruding and alloying	<1	38,658	68,350	601,360
Nonferrous metal, except copper and aluminum, shaping	<1	978	1,137	4,499
Secondary processing of other nonferrous metals	<1	253	415	2,255
Ferrous metal foundries	<1	7,506	10,867	29,103
Nonferrous metal foundries	<1	1,990	2,442	6,771
Custom roll forming	<1	129	166	1,017
Crown and closure manufacturing and metal stamping	<1	2,536	3,015	9,866
Iron and steel forging	<1	3,951	4,845	17,809
Nonferrous forging	<1	553	649	2,294
Cutlery, utensil, pot, and pan manufacturing	<1	1,341	2,045	7,494
Handtool manufacturing	<1	798	1,081	2,810
Prefabricated metal buildings and components manufacturing	<1	198	243	871
Fabricated structural metal manufacturing	<1	6,459	8,343	29,386
Plate work manufacturing	<1	1,323	1,454	4,239
Metal window and door manufacturing	<1	1,367	1,682	4,813
Sheet metal work manufacturing	<1	2,654	3,171	9,474
Ornamental and architectural metal work manufacturing	<1	1,595	1,778	4,645
Power boiler and heat exchanger manufacturing	<1	411	500	1,507
Metal tank (heavy gauge) manufacturing	<1	458	522	1,512
Metal cans manufacturing	<1	865	1,318	7,030
Metal barrels, drums and pails manufacturing	<1	600	732	3,288
Hardware manufacturing	<1	1,016	1,311	5,318
Spring and wire product manufacturing	<1	3,993	4,746	15,067

## Appendix

Machine shops	<1	14,251	15,798	35,018
Turned product and screw, nut, and bolt manufacturing	<1	13,441	15,773	48,194
Metal heat treating	<1	843	1,002	2,596
Metal coating and nonprecious engraving	<1	2,545	3,580	10,185
Electroplating, anodizing, and coloring metal	<1	3,018	3,203	6,786
Valve and fittings, other than plumbing, manufacturing	3	256,507	345,555	1,093,749
Plumbing fixture fitting and trim manufacturing	<1	148	249	1,024
Ball and roller bearing manufacturing	<1	2,128	2,877	8,547
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	574	927	2,700
Fabricated pipe and pipe fitting manufacturing	<1	2,735	3,064	7,406
Other fabricated metal manufacturing	<1	2,210	2,614	7,585
Farm machinery and equipment manufacturing	<1	33	63	262
Lawn and garden equipment manufacturing	<1	73	131	582
Construction machinery manufacturing	<1	24	57	163
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	12	15	43
Semiconductor machinery manufacturing	<1	43	51	145
Food product machinery manufacturing	<1	2	2	7
Sawmill, woodworking, and paper machinery	<1	9	11	38
Printing machinery and equipment manufacturing	<1	29	33	100
All other industrial machinery manufacturing	<1	4,234	5,163	12,983
Optical instrument and lens manufacturing	<1	90	124	318
Photographic and photocopying equipment manufacturing	<1	17	21	63
Other commercial service industry machinery manufacturing	<1	292	457	1,396

## Appendix

Air purification and ventilation equipment manufacturing	<1	89	116	314
Heating equipment (except warm air furnaces) manufacturing	<1	369	563	1,412
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	207	337	1,056
Industrial mold manufacturing	<1	133	160	367
Special tool, die, jig, and fixture manufacturing	<1	316	404	800
Cutting tool and machine tool accessory manufacturing	<1	405	467	1,009
Machine tool manufacturing	<1	115	146	449
Rolling mill and other metalworking machinery manufacturing	<1	320	419	984
Turbine and turbine generator set units manufacturing	<1	54	59	162
Speed changer, industrial high-speed drive, and gear manufacturing	<1	332	445	1,179
Mechanical power transmission equipment manufacturing	<1	405	558	1,503
Other engine equipment manufacturing	<1	326	688	2,715
Pump and pumping equipment manufacturing	<1	64	103	308
Air and gas compressor manufacturing	<1	90	119	339
Elevator and moving stairway manufacturing	<1	33	42	150
Conveyor and conveying equipment manufacturing	<1	19	21	57
Overhead cranes, hoists, and monorail systems manufacturing	<1	15	27	91
Industrial truck, trailer, and stacker manufacturing	<1	120	192	641
Power-driven handtool manufacturing	<1	72	174	486
Welding and soldering equipment manufacturing	<1	3	5	15
Packaging machinery manufacturing	<1	100	142	375
Industrial process furnace and oven manufacturing	<1	19	23	49
Fluid power cylinder and actuator manufacturing	<1	893	1,228	3,008
Fluid power pump and motor manufacturing	<1	619	947	2,705

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	307	370	980
Electronic computer manufacturing	<1	1,034	1,262	3,839
Computer storage device manufacturing	<1	72	92	364
Computer terminals and other computer peripheral equipment manufacturing	<1	541	660	1,728
Telephone apparatus manufacturing	<1	31	45	197
Broadcast and wireless communications equipment manufacturing	<1	165	187	613
Other communications equipment manufacturing	<1	483	613	1,873
Audio and video equipment manufacturing	<1	160	213	1,029
Printed circuit assembly (electronic assembly) manufacturing	<1	3,218	4,025	19,262
Bare printed circuit board manufacturing	<1	258	292	785
Semiconductor and related device manufacturing	<1	5,433	6,865	26,866
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,205	1,355	4,507
Electronic connector manufacturing	<1	7,443	8,466	24,629
Other electronic component manufacturing	<1	19,138	22,278	60,411
Electromedical and electrotherapeutic apparatus manufacturing	<1	37	48	179
Search, detection, and navigation instruments manufacturing	<1	2,699	3,992	10,173
Automatic environmental control manufacturing	<1	334	390	1,031
Industrial process variable instruments manufacturing	<1	340	402	1,247
Totalizing fluid meter and counting device manufacturing	<1	36	54	161
Electricity and signal testing instruments manufacturing	<1	15,231	17,742	61,043
Analytical laboratory instrument manufacturing	<1	63,217	86,035	246,602
Irradiation apparatus manufacturing	<1	24	33	129

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	167	200	754
Blank magnetic and optical recording media manufacturing	<1	55	113	567
Software and other prerecorded and record reproducing	<1	223	273	676
Electric lamp bulb and part manufacturing	<1	58	70	189
Lighting fixture manufacturing	<1	1,357	1,529	4,618
Small electrical appliance manufacturing	<1	175	234	1,274
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	15	16	56
Motor and generator manufacturing	<1	192	241	1,071
Switchgear and switchboard apparatus manufacturing	<1	158	190	704
Relay and industrial control manufacturing	<1	3,433	3,720	10,964
Storage battery manufacturing	<1	425	494	1,711
Primary battery manufacturing	<1	103	-264	277
Fiber optic cable manufacturing	<1	668	811	4,765
Other communication and energy wire manufacturing	<1	862	1,052	5,831
Wiring device manufacturing	<1	1,699	2,136	5,359
Carbon and graphite product manufacturing	<1	1,644	2,000	8,519
All other miscellaneous electrical equipment and component manufacturing	<1	97	104	312
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	2	4	20
Motor vehicle body manufacturing	<1	22	29	120
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	25	31	153

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	506	815	3,651
Motor vehicle electrical and electronic equipment manufacturing	<1	1,239	1,691	6,994
Motor vehicle transmission and power train parts manufacturing	<1	2,189	3,198	13,400
Motor vehicle seating and interior trim manufacturing	<1	110	137	580
Motor vehicle metal stamping	<1	920	1,188	3,450
Other motor vehicle parts manufacturing	<1	3,414	4,688	18,073
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,756	2,634	8,422
Aircraft manufacturing	<1	702	1,334	2,897
Aircraft engine and engine parts manufacturing	<1	4,834	12,179	28,861
Other aircraft parts and auxiliary equipment manufacturing	12	1,392,879	1,937,916	3,671,172
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	44	66	116
Railroad rolling stock manufacturing	<1	44	49	177
Ship building and repairing	<1	66	91	166
Boat building	<1	45	69	218
Motorcycle, bicycle, and parts manufacturing	<1	10	33	78
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7	16	81
Wood kitchen cabinet and countertop manufacturing	<1	821	900	2,348
Upholstered household furniture manufacturing	<1	395	423	1,419
Nonupholstered wood household furniture manufacturing	<1	726	774	2,203
Other household nonupholstered furniture manufacturing	<1	250	324	1,441
Institutional furniture manufacturing	<1	9	10	30
Wood office furniture manufacturing	<1	9	10	31

## Appendix

Custom architectural woodwork and millwork	<1	56	40	133
Office furniture, except wood, manufacturing	<1	21	24	83
Showcase, partition, shelving, and locker manufacturing	<1	124	137	444
Mattress manufacturing	<1	248	328	1,635
Blind and shade manufacturing	<1	107	105	371
Surgical and medical instrument manufacturing	<1	282	352	807
Surgical appliance and supplies manufacturing	<1	1,067	1,541	4,194
Dental equipment and supplies manufacturing	<1	58	76	187
Ophthalmic goods manufacturing	<1	1,359	1,857	3,875
Dental laboratories	<1	1,443	1,540	2,639
Jewelry and silverware manufacturing	<1	1,777	2,419	5,706
Sporting and athletic goods manufacturing	<1	326	399	1,293
Doll, toy, and game manufacturing	<1	106	145	541
Office supplies (except paper) manufacturing	<1	864	1,077	2,921
Sign manufacturing	<1	420	389	859
Gasket, packing, and sealing device manufacturing	<1	570	612	1,413
Musical instrument manufacturing	<1	370	397	851
Fasteners, buttons, needles, and pins manufacturing	<1	57	61	150
Broom, brush, and mop manufacturing	<1	535	657	1,886
Burial casket manufacturing	<1	22	29	69
All other miscellaneous manufacturing	<1	1,562	1,907	4,798
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,192	16,651	40,568
Wholesale - Professional and commercial equipment and supplies	<1	60,627	90,575	151,331
Wholesale - Household appliances and electrical and electronic goods	<1	28,640	61,416	135,226
Wholesale - Machinery, equipment, and supplies	<1	48,502	85,602	159,269
Wholesale - Other durable goods merchant wholesalers	<1	87,517	147,262	291,156

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	25,496	54,019	123,142
Wholesale - Grocery and related product wholesalers	<1	31,930	44,500	89,724
Wholesale - Petroleum and petroleum products	<1	4,086	59,524	66,843
Wholesale - Other nondurable goods merchant wholesalers	<1	63,702	135,273	226,031
Wholesale - Wholesale electronic markets and agents and brokers	<1	27,380	30,174	35,456
Retail - Motor vehicle and parts dealers	<1	25,216	37,774	50,385
Retail - Furniture and home furnishings stores	<1	17,000	24,353	37,114
Retail - Electronics and appliance stores	<1	20,666	19,358	29,376
Retail - Building material and garden equipment and supplies stores	<1	16,974	35,461	48,433
Retail - Food and beverage stores	1	58,471	88,250	138,391
Retail - Health and personal care stores	<1	34,869	45,300	63,779
Retail - Gasoline stores	<1	8,935	21,840	38,237
Retail - Clothing and clothing accessories stores	<1	31,333	51,796	86,168
Retail - Sporting goods, hobby, musical instrument and book stores	<1	15,415	21,225	31,473
Retail - General merchandise stores	<1	36,997	64,016	97,245
Retail - Miscellaneous store retailers	<1	45,172	43,445	58,646
Retail - Nonstore retailers	<1	31,736	173,156	250,640
Air transportation	<1	35,355	70,592	130,985
Rail transportation	<1	5,937	12,391	25,221
Water transportation	<1	5,465	12,335	40,049
Truck transportation	<1	52,487	72,774	153,099
Transit and ground passenger transportation	2	90,454	93,420	117,814
Pipeline transportation	<1	7,992	13,963	16,362
Scenic and sightseeing transportation and support activities for transportation	<1	51,731	39,767	60,053
Couriers and messengers	1	29,410	52,864	65,589
Warehousing and storage	<1	34,167	36,168	65,679
Newspaper publishers	<1	9,782	18,205	21,506
Periodical publishers	<1	16,498	27,532	36,031
Book publishers	<1	8,564	27,244	43,335



## Appendix

Directory, mailing list, and other publishers	<1	3,157	8,525	12,106
Greeting card publishing	<1	41	161	247
Software publishers	3	820,794	1,882,082	2,193,188
Motion picture and video industries	<1	40,539	64,750	96,379
Sound recording industries	<1	4,359	28,807	32,760
Radio and television broadcasting	<1	128,242	150,725	182,038
Cable and other subscription programming	<1	55,479	173,464	241,884
Wired telecommunications carriers	<1	35,301	78,784	135,282
Wireless telecommunications carriers (except satellite)	<1	4,359	37,389	70,725
Satellite, telecommunications resellers, and all other telecommunications	<1	4,753	5,583	12,154
Data processing, hosting, and related services	<1	65,838	142,315	276,582
News syndicates, libraries, archives and all other information services	<1	14,523	24,291	40,396
Internet publishing and broadcasting and web search portals	<1	87,372	241,774	502,661
Nondepository credit intermediation and related activities	<1	65,420	72,200	91,142
Securities and commodity contracts intermediation and brokerage	<1	342,451	281,825	292,205
Monetary authorities and depository credit intermediation	<1	99,894	913,689	885,631
Other financial investment activities	<1	294,137	335,643	387,021
Direct life insurance carriers	<1	25,975	79,576	86,996
Insurance carriers, except direct life	<1	60,774	343,550	464,427
Insurance agencies, brokerages, and related activities	<1	44,615	102,947	162,857
Funds, trusts, and other financial vehicles	<1	40,256	31,011	126,162
Other real estate	6	89,542	622,795	1,355,346
Tenant-occupied housing	1	17,382	291,046	323,596
Owner-occupied dwellings	0	0	769,453	928,602
Automotive equipment rental and leasing	<1	13,897	32,660	38,886

## Appendix

General and consumer goods rental except video tapes and discs	<1	14,966	21,961	28,288
Video tape and disc rental	<1	3,008	4,908	7,457
Commercial and industrial machinery and equipment rental and leasing	<1	17,455	35,802	43,469
Lessors of nonfinancial intangible assets	<1	3,589	64,301	67,045
Legal services	2	272,742	432,251	533,811
Accounting, tax preparation, bookkeeping, and payroll services	<1	123,994	139,499	194,711
Architectural, engineering, and related services	6	697,206	748,756	1,232,880
Specialized design services	<1	20,682	27,968	45,684
Custom computer programming services	<1	109,578	113,673	141,774
Computer systems design services	<1	61,295	59,318	71,572
Other computer related services, including facilities management	<1	16,853	24,217	37,811
Management consulting services	2	341,290	348,601	461,887
Environmental and other technical consulting services	<1	35,087	37,434	54,839
Scientific research and development services	25	3,414,219	4,373,400	7,326,608
Advertising, public relations, and related services	<1	144,212	181,164	302,026
Photographic services	<1	3,187	6,057	11,664
Veterinary services	<1	7,795	8,332	12,000
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	107,335	139,228	271,557
Management of companies and enterprises	3	478,961	543,866	782,800
Office administrative services	1	130,905	54,121	107,865
Facilities support services	<1	4,806	6,755	13,536
Employment services	4	301,786	425,705	591,118
Business support services	<1	61,338	54,572	75,799
Travel arrangement and reservation services	<1	12,019	19,853	49,957
Investigation and security services	<1	45,904	48,361	65,763
Services to buildings	<1	45,678	68,050	116,832
Landscape and horticultural services	<1	23,077	29,973	49,610
Other support services	<1	23,852	31,097	55,241
Waste management and remediation services	<1	15,431	25,456	50,038

## Appendix

Elementary and secondary schools	<1	63,310	51,559	59,297
Junior colleges, colleges, universities, and professional schools	10	845,911	1,065,305	1,303,854
Other educational services	2	123,233	141,156	253,490
Offices of physicians	2	205,950	207,916	289,366
Offices of dentists	<1	41,261	48,592	64,173
Offices of other health practitioners	<1	34,436	50,486	63,575
Outpatient care centers	<1	44,635	44,137	68,397
Medical and diagnostic laboratories	<1	18,219	28,179	37,298
Home health care services	2	69,233	69,187	93,581
Other ambulatory health care services	<1	12,003	13,976	21,542
Hospitals	4	445,487	517,424	874,464
Nursing and community care facilities	<1	57,352	61,391	88,570
Residential mental retardation, mental health, substance abuse and other facilities	<1	44,642	46,008	61,212
Individual and family services	3	128,773	113,150	147,541
Child day care services	<1	35,764	54,744	67,969
Community food, housing, and other relief services, including rehabilitation services	<1	30,009	28,387	52,915
Performing arts companies	<1	14,376	21,025	28,329
Commercial Sports Except Racing	<1	28,591	25,109	28,724
Racing and Track Operation	<1	3,417	4,905	6,553
Independent artists, writers, and performers	<1	21,724	42,698	50,421
Promoters of performing arts and sports and agents for public figures	<1	22,235	41,269	60,025
Museums, historical sites, zoos, and parks	<1	7,985	9,266	13,932
Amusement parks and arcades	<1	721	1,214	1,496
Gambling industries (except casino hotels)	<1	12,306	32,875	40,136
Other amusement and recreation industries	<1	11,960	13,734	17,932
Fitness and recreational sports centers	<1	10,483	12,694	18,630
Bowling centers	<1	1,269	2,131	3,017
Hotels and motels, including casino hotels	<1	72,882	154,958	196,894
Other accommodations	<1	30,586	38,559	45,966

## Appendix

Full-service restaurants	3	123,340	173,923	293,419
Limited-service restaurants	2	66,132	101,284	206,349
All other food and drinking places	2	79,209	110,578	158,734
Automotive repair and maintenance, except car washes	<1	51,912	56,780	80,457
Car washes	<1	23,784	35,166	49,795
Electronic and precision equipment repair and maintenance	<1	16,224	22,386	32,307
Commercial and industrial machinery and equipment repair and maintenance	<1	14,057	16,728	23,533
Personal and household goods repair and maintenance	<1	8,246	14,259	19,535
Personal care services	1	34,906	14,122	19,182
Death care services	<1	7,595	3,912	5,633
Dry-cleaning and laundry services	<1	13,522	6,172	8,671
Other personal services	<1	19,858	24,023	32,463
Religious organizations	1	102,194	30,446	117,128
Grantmaking, giving, and social advocacy organizations	<1	40,082	87,144	120,337
Business and professional associations	<1	18,168	24,027	36,201
Labor and civic organizations	<1	28,445	59,169	90,658
Private households	<1	8,595	8,595	8,595
Postal service	<1	34,297	34,558	34,571
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	655	2,191	3,678
State government passenger transit	<1	4,548	-438	865
State government electric utilities	<1	94,982	193,012	354,944
Other state government enterprises	<1	11,154	8,282	14,262
Local government passenger transit	<1	33,830	-5,216	2,237
Local government electric utilities	<1	11	21	55
Other local government enterprises	<1	51,763	10,443	117,855
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	442,941	839,349	1,535,989

## Investments in Climate Change Research and Technology

**Table 723: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New York**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>474</i>	<i>50,647,575</i>	<i>76,436,223</i>	<i>123,787,620</i>
Oilseed farming	<1	6,557	17,765	20,649
Grain farming	<1	16,096	47,992	72,165
Vegetable and melon farming	<1	8,966	19,182	21,581
Fruit farming	<1	8,331	14,155	14,716
Tree nut farming	<1	20	36	38
Greenhouse, nursery, and floriculture production	<1	4,036	8,635	10,618
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	6,562	12,758	15,930
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	9,197	25,615	36,496
Dairy cattle and milk production	<1	15,748	38,655	111,200
Poultry and egg production	<1	1,520	3,768	24,403
Animal production, except cattle and poultry and eggs	<1	15,848	31,361	35,013
Forestry, forest products, and timber tract production	<1	2,439	2,645	3,315

Appendix

Commercial logging	<1	3,256	3,819	7,061
Commercial fishing	<1	619	3,046	3,078
Commercial hunting and trapping	<1	769	1,705	2,029
Support activities for agriculture and forestry	<1	25,412	27,785	30,118
Oil and gas extraction	<1	37,661	1,631	63,059
Coal mining	<1	151	246	541
Copper, nickel, lead, and zinc mining	<1	3,852	7,448	19,053
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	2,564	4,334	10,753
Sand and gravel mining	<1	3,735	4,866	10,206
Other clay, ceramic, refractory minerals mining	<1	61	81	185
Potash, soda, and borate mineral mining	<1	285	364	816
Phosphate rock mining	<1	77	106	257
Other chemical and fertilizer mineral mining	<1	130	162	384
Other nonmetallic minerals	<1	1,245	1,712	3,944
Drilling oil and gas wells	<1	3	<1	5
Support activities for oil and gas operations	<1	31	11	39
Metal mining services	<1	686	66	1,763
Other nonmetallic minerals services	<1	34	3	74
Electric power generation - Hydroelectric	<1	3,291	5,946	9,961
Electric power generation - Fossil fuel	<1	14,841	41,282	86,813
Electric power generation - Nuclear	<1	25,076	42,609	78,651
Electric power generation - Solar	<1	3,108	6,027	10,435
Electric power generation - Wind	<1	4,245	19,694	32,572
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,189	2,324	4,560
Electric power generation - All other	<1	93	33	108
Electric power transmission and distribution	<1	191,833	486,342	1,027,015

## Appendix

Natural gas distribution	<1	70,545	169,821	305,154
Water, sewage and other systems	<1	6,828	11,675	18,027
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	107,869	169,640	381,844
Maintenance and repair construction of residential structures	<1	39,908	59,890	129,604
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	34	54	121
Dog and cat food manufacturing	<1	3,445	8,154	33,881
Other animal food manufacturing	<1	6,562	12,760	82,759
Flour milling	<1	2,754	4,952	35,474
Rice milling	0	0	0	0
Malt manufacturing	<1	233	336	2,277
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	56	297	4,363
Fats and oils refining and blending	<1	399	891	10,424
Breakfast cereal manufacturing	<1	891	1,642	6,583
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	878	1,778	10,547
Nonchocolate confectionery manufacturing	<1	1,986	2,647	12,383

Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	292	429	3,088
Confectionery manufacturing from purchased chocolate	<1	3,795	4,961	26,111
Frozen fruits, juices and vegetables manufacturing	<1	2,050	3,334	15,586
Frozen specialties manufacturing	<1	5,158	6,431	26,878
Canned fruits and vegetables manufacturing	<1	4,547	7,073	33,140
Canned specialties	<1	191	333	1,536
Dehydrated food products manufacturing	<1	605	924	3,527
Cheese manufacturing	<1	6,124	8,667	88,487
Dry, condensed, and evaporated dairy product manufacturing	<1	1,200	2,275	18,465
Fluid milk manufacturing	<1	9,966	13,887	79,938
Creamery butter manufacturing	<1	35	100	760
Ice cream and frozen dessert manufacturing	<1	1,913	2,497	11,532
Frozen cakes and other pastries manufacturing	<1	10,842	16,381	29,797
Poultry processing	<1	3,760	4,546	23,126
Animal, except poultry, slaughtering	<1	2,883	3,966	29,488
Meat processed from carcasses	<1	10,269	11,066	75,393
Rendering and meat byproduct processing	<1	772	1,013	4,727
Seafood product preparation and packaging	<1	2,486	3,004	12,624
Bread and bakery product, except frozen, manufacturing	<1	33,265	45,417	115,770
Cookie and cracker manufacturing	<1	3,927	5,028	20,822
Dry pasta, mixes, and dough manufacturing	<1	1,251	2,270	11,859
Tortilla manufacturing	<1	206	265	1,070
Roasted nuts and peanut butter manufacturing	<1	3,220	4,297	16,937
Other snack food manufacturing	<1	5,434	9,333	39,071
Coffee and tea manufacturing	<1	1,016	1,556	8,786
Flavoring syrup and concentrate manufacturing	<1	3,369	15,010	52,130
Mayonnaise, dressing, and sauce manufacturing	<1	749	1,194	5,346
Spice and extract manufacturing	<1	1,857	2,585	10,333
All other food manufacturing	<1	7,517	9,708	42,789
Bottled and canned soft drinks & water	<1	7,809	10,944	45,045
Manufactured ice	<1	689	473	1,698



Appendix

Breweries	<1	10,124	22,713	52,681
Wineries	<1	7,774	12,598	41,262
Distilleries	<1	4,126	34,290	57,664
Tobacco product manufacturing	<1	1,143	52,122	70,187
Fiber, yarn, and thread mills	<1	0	2	15
Broadwoven fabric mills	<1	569	720	2,596
Narrow fabric mills and schiffli machine embroidery	<1	274	295	771
Nonwoven fabric mills	<1	2,610	3,666	15,166
Knit fabric mills	<1	49	60	256
Textile and fabric finishing mills	<1	1,379	1,651	4,894
Fabric coating mills	<1	761	899	3,100
Carpet and rug mills	<1	372	495	1,500
Curtain and linen mills	<1	961	1,133	3,719
Textile bag and canvas mills	<1	1,739	2,126	7,062
Rope, cordage, twine, tire cord and tire fabric mills	<1	831	1,057	3,498
Other textile product mills	<1	1,442	1,628	4,253
Hosiery and sock mills	<1	710	913	1,901
Other apparel knitting mills	<1	681	935	1,940
Cut and sew apparel contractors	<1	4,871	5,387	10,072
Men's and boys' cut and sew apparel manufacturing	<1	3,373	3,782	8,451
Women's and girls' cut and sew apparel manufacturing	<1	3,092	3,761	12,429
Other cut and sew apparel manufacturing	<1	1,756	2,099	5,336
Apparel accessories and other apparel manufacturing	<1	1,746	2,078	5,043
Leather and hide tanning and finishing	<1	921	1,125	4,805
Footwear manufacturing	<1	410	438	1,383
Other leather and allied product manufacturing	<1	732	769	2,041
Sawmills	<1	4,118	4,964	26,359
Wood preservation	<1	80	108	767
Veneer and plywood manufacturing	<1	360	431	1,886
Engineered wood member and truss manufacturing	<1	591	649	2,817
Reconstituted wood product manufacturing	<1	275	378	2,742
Wood windows and door manufacturing	<1	3,847	3,981	13,749
Cut stock, resawing lumber, and planing	<1	532	667	3,003

## Appendix

Other millwork, including flooring	<1	3,184	3,458	12,796
Wood container and pallet manufacturing	<1	2,303	2,391	8,174
Manufactured home (mobile home) manufacturing	<1	1	1	4
Prefabricated wood building manufacturing	<1	344	364	1,470
All other miscellaneous wood product manufacturing	<1	996	1,069	4,396
Pulp mills	<1	46	54	196
Paper mills	<1	27,209	42,293	158,680
Paperboard mills	<1	4,797	6,711	23,768
Paperboard container manufacturing	<1	15,805	19,533	77,233
Paper bag and coated and treated paper manufacturing	<1	10,709	13,259	45,588
Stationery product manufacturing	<1	1,395	1,568	5,295
Sanitary paper product manufacturing	<1	5,806	9,210	39,560
All other converted paper product manufacturing	<1	515	676	2,682
Printing	3	150,244	210,998	459,533
Support activities for printing	<1	2,486	3,800	5,403
Petroleum refineries	<1	133	1,683	12,106
Asphalt paving mixture and block manufacturing	<1	1,652	2,681	7,642
Asphalt shingle and coating materials manufacturing	<1	500	1,984	3,580
Petroleum lubricating oil and grease manufacturing	<1	1,910	6,815	16,873
All other petroleum and coal products manufacturing	<1	132	519	1,166
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	3,343	11,322	26,816
Synthetic dye and pigment manufacturing	<1	755	1,599	3,912
Other basic inorganic chemical manufacturing	<1	2,058	5,096	14,199
Other basic organic chemical manufacturing	<1	5,828	15,901	88,516
Plastics material and resin manufacturing	<1	2,230	4,295	23,552
Synthetic rubber manufacturing	<1	777	1,182	4,163
Artificial and synthetic fibers and filaments manufacturing	<1	1,520	2,463	9,120
Nitrogenous fertilizer manufacturing	<1	195	855	2,588

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	304	714	2,223
Pesticide and other agricultural chemical manufacturing	<1	2,645	11,080	41,509
Medicinal and botanical manufacturing	<1	836	1,551	4,456
Pharmaceutical preparation manufacturing	<1	67,743	212,951	574,657
In-vitro diagnostic substance manufacturing	<1	856	1,446	3,783
Biological product (except diagnostic) manufacturing	<1	19,936	74,028	134,307
Paint and coating manufacturing	<1	1,174	2,692	9,492
Adhesive manufacturing	<1	279	516	2,012
Soap and other detergent manufacturing	<1	3,254	10,685	27,482
Polish and other sanitation good manufacturing	<1	3,373	6,458	19,376
Surface active agent manufacturing	<1	45	232	690
Toilet preparation manufacturing	<1	16,001	55,594	125,869
Printing ink manufacturing	<1	1,995	2,310	10,527
Explosives manufacturing	<1	32	38	127
Custom compounding of purchased resins	<1	159	301	1,185
Photographic film and chemical manufacturing	<1	6,320	16,302	48,818
Other miscellaneous chemical product manufacturing	<1	2,484	4,530	15,785
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,289	8,108	23,834
Unlaminated plastics profile shape manufacturing	<1	1,855	7,437	14,789
Plastics pipe and pipe fitting manufacturing	<1	839	4,527	9,938
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	345	899	1,634
Polystyrene foam product manufacturing	<1	3,085	8,689	23,383
Urethane and other foam product (except polystyrene) manufacturing	<1	1,089	2,962	8,258
Plastics bottle manufacturing	<1	356	838	3,130
Other plastics product manufacturing	<1	28,382	60,879	149,452
Tire manufacturing	<1	5,524	8,654	26,773

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	430	1,011	2,630
Other rubber product manufacturing	<1	3,488	5,692	15,831
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,719	3,471	5,679
Brick, tile, and other structural clay product manufacturing	<1	1,383	3,246	6,061
Flat glass manufacturing	<1	452	1,273	2,477
Other pressed and blown glass and glassware manufacturing	<1	3,884	8,471	16,995
Glass container manufacturing	<1	1,264	2,635	5,627
Glass product manufacturing made of purchased glass	<1	5,293	13,294	25,719
Cement manufacturing	<1	622	2,140	4,597
Ready-mix concrete manufacturing	<1	4,668	10,394	26,810
Concrete block and brick manufacturing	<1	902	2,256	4,639
Concrete pipe manufacturing	<1	225	511	950
Other concrete product manufacturing	<1	1,779	3,495	7,413
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,114	5,010	10,232
Abrasive product manufacturing	<1	690	2,219	3,391
Cut stone and stone product manufacturing	<1	2,633	4,194	8,627
Ground or treated mineral and earth manufacturing	<1	891	3,241	6,254
Mineral wool manufacturing	<1	528	2,230	4,117
Miscellaneous nonmetallic mineral products manufacturing	<1	472	1,690	2,955
Iron and steel mills and ferroalloy manufacturing	<1	974	2,174	19,717
Iron, steel pipe and tube manufacturing from purchased steel	<1	328	608	3,298
Rolled steel shape manufacturing	<1	1,353	3,620	14,150
Steel wire drawing	<1	29	51	310
Alumina refining and primary aluminum production	<1	784	1,156	6,190
Secondary smelting and alloying of aluminum	<1	309	551	6,427
Aluminum sheet, plate, and foil manufacturing	<1	2,143	3,865	16,136
Other aluminum rolling, drawing and extruding	<1	381	508	2,400
Nonferrous metal (exc aluminum) smelting and refining	<1	158	799	3,490

## Appendix

Copper rolling, drawing, extruding and alloying	<1	3,771	6,830	62,699
Nonferrous metal, except copper and aluminum, shaping	<1	1,625	1,907	7,627
Secondary processing of other nonferrous metals	<1	130	225	1,203
Ferrous metal foundries	<1	631	915	2,469
Nonferrous metal foundries	<1	483	597	1,687
Custom roll forming	<1	33	42	254
Crown and closure manufacturing and metal stamping	<1	2,428	2,875	9,648
Iron and steel forging	<1	714	870	3,333
Nonferrous forging	<1	113	130	473
Cutlery, utensil, pot, and pan manufacturing	<1	2,053	3,286	12,215
Handtool manufacturing	<1	1,298	1,724	4,736
Prefabricated metal buildings and components manufacturing	<1	485	628	2,203
Fabricated structural metal manufacturing	<1	5,202	6,625	23,853
Plate work manufacturing	<1	1,801	1,961	5,962
Metal window and door manufacturing	<1	3,075	3,752	11,292
Sheet metal work manufacturing	<1	4,096	4,949	15,424
Ornamental and architectural metal work manufacturing	<1	4,228	4,762	12,882
Power boiler and heat exchanger manufacturing	<1	672	808	2,461
Metal tank (heavy gauge) manufacturing	<1	250	283	873
Metal cans manufacturing	<1	1,210	1,788	9,691
Metal barrels, drums and pails manufacturing	<1	295	353	1,670
Hardware manufacturing	<1	798	1,035	4,254
Spring and wire product manufacturing	<1	1,357	1,606	5,149
Machine shops	<1	12,810	14,211	31,969
Turned product and screw, nut, and bolt manufacturing	<1	2,429	2,843	8,799
Metal heat treating	<1	744	876	2,251
Metal coating and nonprecious engraving	<1	1,645	2,288	6,668
Electroplating, anodizing, and coloring metal	<1	2,559	2,711	5,782
Valve and fittings, other than plumbing, manufacturing	<1	1,961	2,477	7,874
Plumbing fixture fitting and trim manufacturing	<1	512	884	3,528

## Appendix

Ball and roller bearing manufacturing	<1	725	976	2,935
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,689	2,695	8,377
Fabricated pipe and pipe fitting manufacturing	<1	236	267	645
Other fabricated metal manufacturing	<1	4,001	4,744	14,181
Farm machinery and equipment manufacturing	<1	235	440	1,924
Lawn and garden equipment manufacturing	<1	260	452	2,134
Construction machinery manufacturing	<1	49	110	357
Mining machinery and equipment manufacturing	<1	2	3	8
Oil and gas field machinery and equipment manufacturing	<1	59	76	204
Semiconductor machinery manufacturing	<1	177	212	595
Food product machinery manufacturing	<1	5	6	17
Sawmill, woodworking, and paper machinery	<1	35	42	153
Printing machinery and equipment manufacturing	<1	83	93	279
All other industrial machinery manufacturing	<1	128	162	426
Optical instrument and lens manufacturing	<1	654	942	2,392
Photographic and photocopying equipment manufacturing	<1	45	55	171
Other commercial service industry machinery manufacturing	<1	581	914	2,784
Air purification and ventilation equipment manufacturing	<1	271	351	979
Heating equipment (except warm air furnaces) manufacturing	<1	887	1,338	3,569
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	722	1,234	3,950
Industrial mold manufacturing	<1	156	188	458
Special tool, die, jig, and fixture manufacturing	<1	166	217	443

Appendix

Cutting tool and machine tool accessory manufacturing	<1	203	234	520
Machine tool manufacturing	<1	71	89	278
Rolling mill and other metalworking machinery manufacturing	<1	176	233	575
Turbine and turbine generator set units manufacturing	<1	185	203	558
Speed changer, industrial high-speed drive, and gear manufacturing	<1	787	1,116	3,104
Mechanical power transmission equipment manufacturing	<1	1,258	1,779	4,887
Other engine equipment manufacturing	<1	1,075	2,402	9,630
Pump and pumping equipment manufacturing	<1	123	202	605
Air and gas compressor manufacturing	<1	94	126	365
Elevator and moving stairway manufacturing	<1	71	91	326
Conveyor and conveying equipment manufacturing	<1	26	29	82
Overhead cranes, hoists, and monorail systems manufacturing	<1	29	51	180
Industrial truck, trailer, and stacker manufacturing	<1	317	520	1,738
Power-driven handtool manufacturing	<1	104	273	762
Welding and soldering equipment manufacturing	<1	6	9	33
Packaging machinery manufacturing	<1	184	262	702
Industrial process furnace and oven manufacturing	<1	26	32	72
Fluid power cylinder and actuator manufacturing	<1	530	752	1,839
Fluid power pump and motor manufacturing	<1	347	540	1,486
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	233	286	771
Electronic computer manufacturing	<1	2,274	2,726	9,097
Computer storage device manufacturing	<1	208	257	1,057
Computer terminals and other computer peripheral equipment manufacturing	<1	1,327	1,564	4,284
Telephone apparatus manufacturing	<1	226	304	1,361

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	374	431	1,395
Other communications equipment manufacturing	<1	1,879	2,319	6,999
Audio and video equipment manufacturing	<1	444	586	2,984
Printed circuit assembly (electronic assembly) manufacturing	<1	2,181	2,651	13,053
Bare printed circuit board manufacturing	<1	254	275	676
Semiconductor and related device manufacturing	<1	7,959	9,998	39,326
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,310	1,442	5,084
Electronic connector manufacturing	<1	14,306	15,943	47,834
Other electronic component manufacturing	0	-20,381	-23,924	-72,802
Electromedical and electrotherapeutic apparatus manufacturing	<1	119	150	575
Search, detection, and navigation instruments manufacturing	<1	3,250	4,133	12,526
Automatic environmental control manufacturing	<1	531	615	1,671
Industrial process variable instruments manufacturing	<1	378	443	1,398
Totalizing fluid meter and counting device manufacturing	<1	164	231	747
Electricity and signal testing instruments manufacturing	<1	343	385	1,231
Analytical laboratory instrument manufacturing	<1	12,794	17,293	50,974
Irradiation apparatus manufacturing	<1	64	83	344
Watch, clock, and other measuring and controlling device manufacturing	<1	3,113	3,702	14,448
Blank magnetic and optical recording media manufacturing	<1	81	182	945
Software and other prerecorded and record reproducing	<1	457	560	1,481
Electric lamp bulb and part manufacturing	<1	159	188	536
Lighting fixture manufacturing	<1	3,952	4,347	14,138
Small electrical appliance manufacturing	<1	504	657	3,656



Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	23	27	96
Motor and generator manufacturing	<1	249	313	1,394
Switchgear and switchboard apparatus manufacturing	<1	337	409	1,554
Relay and industrial control manufacturing	<1	2,105	2,304	7,130
Storage battery manufacturing	<1	1,176	1,369	5,080
Primary battery manufacturing	<1	295	-453	729
Fiber optic cable manufacturing	<1	1,015	1,250	7,687
Other communication and energy wire manufacturing	<1	211	243	1,451
Wiring device manufacturing	<1	3,141	3,639	9,701
Carbon and graphite product manufacturing	<1	1,863	2,329	9,853
All other miscellaneous electrical equipment and component manufacturing	<1	29,077	31,186	91,490
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	6	12	72
Motor vehicle body manufacturing	<1	81	110	435
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	134	171	827
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,743	2,830	12,783
Motor vehicle electrical and electronic equipment manufacturing	<1	5,648	7,674	34,410
Motor vehicle transmission and power train parts manufacturing	<1	5,136	7,826	36,238
Motor vehicle seating and interior trim manufacturing	<1	68	84	361
Motor vehicle metal stamping	<1	6,045	7,689	23,675
Other motor vehicle parts manufacturing	<1	9,547	13,547	51,829

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5,879	8,469	28,310
Aircraft manufacturing	<1	21	36	82
Aircraft engine and engine parts manufacturing	<1	1,242	2,749	6,247
Other aircraft parts and auxiliary equipment manufacturing	<1	704	1,027	2,029
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	9	13	24
Railroad rolling stock manufacturing	<1	106	118	439
Ship building and repairing	<1	263	364	662
Boat building	<1	272	427	1,347
Motorcycle, bicycle, and parts manufacturing	<1	50	203	434
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	44	106	525
Wood kitchen cabinet and countertop manufacturing	<1	3,657	4,125	10,852
Upholstered household furniture manufacturing	<1	1,324	1,414	4,683
Nonupholstered wood household furniture manufacturing	<1	2,534	2,713	7,916
Other household nonupholstered furniture manufacturing	<1	821	1,081	5,097
Institutional furniture manufacturing	<1	27	28	92
Wood office furniture manufacturing	<1	30	34	111
Custom architectural woodwork and millwork	<1	195	139	476
Office furniture, except wood, manufacturing	<1	51	65	219
Showcase, partition, shelving, and locker manufacturing	<1	438	506	1,653
Mattress manufacturing	<1	940	1,244	6,238
Blind and shade manufacturing	<1	506	491	1,683
Surgical and medical instrument manufacturing	<1	941	1,160	2,778
Surgical appliance and supplies manufacturing	<1	3,486	4,936	13,954

## Appendix

Dental equipment and supplies manufacturing	<1	198	251	635
Ophthalmic goods manufacturing	<1	5,880	7,821	16,578
Dental laboratories	<1	5,209	5,523	9,525
Jewelry and silverware manufacturing	<1	7,066	9,378	22,384
Sporting and athletic goods manufacturing	<1	1,311	1,597	5,392
Doll, toy, and game manufacturing	<1	374	487	1,880
Office supplies (except paper) manufacturing	<1	2,496	3,013	9,237
Sign manufacturing	<1	1,314	1,198	2,723
Gasket, packing, and sealing device manufacturing	<1	1,542	1,641	3,870
Musical instrument manufacturing	<1	807	838	1,857
Fasteners, buttons, needles, and pins manufacturing	<1	159	169	404
Broom, brush, and mop manufacturing	<1	976	1,091	3,502
Burial casket manufacturing	<1	120	154	408
All other miscellaneous manufacturing	<1	4,792	5,783	15,108
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	25,835	52,773	126,836
Wholesale - Professional and commercial equipment and supplies	<1	151,068	226,355	380,270
Wholesale - Household appliances and electrical and electronic goods	<1	53,292	115,996	255,774
Wholesale - Machinery, equipment, and supplies	<1	53,499	95,631	177,860
Wholesale - Other durable goods merchant wholesalers	1	122,160	208,728	412,126
Wholesale - Drugs and druggists'sundries	<1	86,120	186,323	431,563
Wholesale - Grocery and related product wholesalers	1	112,376	158,465	319,938
Wholesale - Petroleum and petroleum products	<1	17,169	199,562	230,802
Wholesale - Other nondurable goods merchant wholesalers	1	199,478	410,102	701,170
Wholesale - Wholesale electronic markets and agents and brokers	<1	74,567	82,878	98,445
Retail - Motor vehicle and parts dealers	1	88,037	133,074	178,401
Retail - Furniture and home furnishings stores	<1	58,468	84,290	129,418

## Appendix

Retail - Electronics and appliance stores	<1	70,402	66,445	103,488
Retail - Building material and garden equipment and supplies stores	1	55,882	119,248	163,618
Retail - Food and beverage stores	5	191,305	291,956	459,540
Retail - Health and personal care stores	2	118,565	155,056	221,679
Retail - Gasoline stores	<1	30,876	77,861	138,191
Retail - Clothing and clothing accessories stores	2	106,333	181,544	308,112
Retail - Sporting goods, hobby, musical instrument and book stores	1	51,865	72,231	108,446
Retail - General merchandise stores	3	130,922	228,988	349,801
Retail - Miscellaneous store retailers	2	154,473	149,751	205,377
Retail - Nonstore retailers	3	108,168	590,187	854,014
Air transportation	<1	126,765	247,885	469,969
Rail transportation	<1	17,979	41,611	80,148
Water transportation	<1	18,995	39,188	141,825
Truck transportation	2	146,057	204,614	442,819
Transit and ground passenger transportation	5	207,928	222,443	297,845
Pipeline transportation	<1	43,268	62,110	73,468
Scenic and sightseeing transportation and support activities for transportation	2	213,660	170,730	254,468
Couriers and messengers	3	80,968	155,659	192,408
Warehousing and storage	1	84,796	89,152	164,263
Newspaper publishers	<1	25,338	41,765	52,993
Periodical publishers	<1	32,446	45,735	68,034
Book publishers	<1	25,019	67,961	119,205
Directory, mailing list, and other publishers	<1	10,531	25,284	37,297
Greeting card publishing	<1	142	496	785
Software publishers	2	425,188	802,098	1,037,448
Motion picture and video industries	<1	120,968	192,304	301,456
Sound recording industries	<1	11,336	72,856	87,865
Radio and television broadcasting	<1	338,706	396,097	540,700
Cable and other subscription programming	<1	137,845	403,729	605,189
Wired telecommunications carriers	<1	120,677	253,186	447,959

## Appendix

Wireless telecommunications carriers (except satellite)	<1	15,636	110,499	227,696
Satellite, telecommunications resellers, and all other telecommunications	<1	15,103	18,817	39,262
Data processing, hosting, and related services	1	240,033	520,756	1,039,567
News syndicates, libraries, archives and all other information services	<1	46,851	78,427	130,868
Internet publishing and broadcasting and web search portals	<1	240,417	670,677	1,385,550
Nondepository credit intermediation and related activities	<1	207,475	227,569	296,677
Securities and commodity contracts intermediation and brokerage	3	978,866	840,711	985,694
Monetary authorities and depository credit intermediation	2	408,431	3,156,576	3,301,072
Other financial investment activities	3	796,664	909,307	1,192,522
Direct life insurance carriers	<1	96,816	286,682	329,996
Insurance carriers, except direct life	2	206,938	1,129,402	1,627,834
Insurance agencies, brokerages, and related activities	1	159,007	364,313	595,598
Funds, trusts, and other financial vehicles	2	122,897	88,450	419,847
Other real estate	24	339,829	2,384,611	5,417,045
Tenant-occupied housing	5	58,721	938,427	1,054,435
Owner-occupied dwellings	0	0	2,548,556	3,092,059
Automotive equipment rental and leasing	<1	44,500	98,685	122,538
General and consumer goods rental except video tapes and discs	<1	49,921	73,443	96,309
Video tape and disc rental	<1	10,702	17,559	26,547
Commercial and industrial machinery and equipment rental and leasing	<1	55,139	109,037	135,499
Lessors of nonfinancial intangible assets	<1	14,225	217,198	228,025
Legal services	7	1,227,833	1,855,330	2,343,402
Accounting, tax preparation, bookkeeping, and payroll services	3	369,767	406,775	589,064
Architectural, engineering, and related services	4	426,313	446,734	754,314
Specialized design services	<1	39,654	52,411	90,496

## Appendix

Custom computer programming services	1	158,886	165,210	212,123
Computer systems design services	1	138,750	134,010	165,060
Other computer related services, including facilities management	<1	42,080	60,894	96,233
Management consulting services	8	1,368,969	1,394,060	1,916,929
Environmental and other technical consulting services	<1	112,294	118,057	178,382
Scientific research and development services	135	18,136,637	23,883,897	40,123,523
Advertising, public relations, and related services	2	376,954	466,145	808,782
Photographic services	<1	11,315	19,909	41,394
Veterinary services	<1	26,998	28,541	41,999
Marketing research and all other miscellaneous professional, scientific, and technical services	3	425,526	547,595	1,098,782
Management of companies and enterprises	8	1,446,228	1,635,644	2,432,035
Office administrative services	3	305,628	116,306	259,393
Facilities support services	<1	12,161	16,622	35,933
Employment services	14	962,663	1,322,933	1,988,764
Business support services	2	188,659	164,445	245,349
Travel arrangement and reservation services	<1	46,203	75,356	197,098
Investigation and security services	2	109,549	115,073	163,562
Services to buildings	3	155,252	225,026	406,907
Landscape and horticultural services	1	75,399	96,388	167,116
Other support services	<1	47,505	61,052	114,366
Waste management and remediation services	<1	52,947	88,470	175,205
Elementary and secondary schools	3	171,535	140,626	164,403
Junior colleges, colleges, universities, and professional schools	25	1,998,910	2,548,381	3,102,078
Other educational services	2	133,316	154,800	275,932
Offices of physicians	6	685,723	689,832	973,482
Offices of dentists	2	136,590	157,699	211,855
Offices of other health practitioners	2	121,809	171,266	219,602
Outpatient care centers	2	148,360	146,055	223,876
Medical and diagnostic laboratories	<1	62,302	92,720	125,766
Home health care services	5	218,758	217,642	297,085

## Appendix

Other ambulatory health care services	<1	39,933	45,666	71,620
Hospitals	10	1,234,208	1,417,226	2,398,600
Nursing and community care facilities	2	167,745	178,592	265,870
Residential mental retardation, mental health, substance abuse and other facilities	2	114,336	117,596	160,890
Individual and family services	9	366,360	319,142	430,024
Child day care services	3	107,695	159,541	202,913
Community food, housing, and other relief services, including rehabilitation services	2	78,404	73,861	142,592
Performing arts companies	<1	42,095	60,214	86,782
Commercial Sports Except Racing	<1	89,725	69,631	84,176
Racing and Track Operation	<1	9,290	14,093	20,000
Independent artists, writers, and performers	<1	66,456	130,845	161,387
Promoters of performing arts and sports and agents for public figures	<1	66,215	121,877	191,100
Museums, historical sites, zoos, and parks	<1	22,911	26,178	40,847
Amusement parks and arcades	<1	2,293	3,831	4,797
Gambling industries (except casino hotels)	<1	38,771	101,365	126,075
Other amusement and recreation industries	1	37,663	43,072	57,561
Fitness and recreational sports centers	1	30,807	36,670	56,005
Bowling centers	<1	4,158	6,876	9,968
Hotels and motels, including casino hotels	3	237,156	523,631	670,676
Other accommodations	1	90,178	114,247	138,383
Full-service restaurants	9	403,140	574,027	984,758
Limited-service restaurants	6	220,102	340,524	714,257
All other food and drinking places	6	263,084	373,770	549,589
Automotive repair and maintenance, except car washes	2	161,377	185,312	264,171
Car washes	1	78,589	117,553	167,800
Electronic and precision equipment repair and maintenance	<1	41,746	57,654	87,723
Commercial and industrial machinery and equipment repair and maintenance	<1	42,184	51,442	74,821
Personal and household goods repair and maintenance	<1	26,628	51,099	69,362

## Appendix

Personal care services	4	114,344	53,632	71,564
Death care services	<1	22,636	13,212	18,833
Dry-cleaning and laundry services	1	48,350	25,484	35,300
Other personal services	2	68,678	86,507	117,430
Religious organizations	4	272,519	95,613	331,415
Grantmaking, giving, and social advocacy organizations	1	109,634	276,341	374,276
Business and professional associations	<1	52,372	79,420	119,436
Labor and civic organizations	1	74,192	184,243	269,960
Private households	1	28,155	28,155	28,262
Postal service	<1	101,169	101,879	102,582
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,002	6,598	10,937
State government passenger transit	<1	4,942	-9,733	1,548
State government electric utilities	<1	25,001	42,189	76,417
Other state government enterprises	<1	44,104	40,353	71,626
Local government passenger transit	<1	96,195	-27,057	8,662
Local government electric utilities	<1	40	86	224
Other local government enterprises	2	197,479	53,120	515,574
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	28	5,445,659	7,081,576	12,041,419

## North Carolina

## NASA

Table 724: Detailed NASA Impacts by Types of Impact, North Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,094</i>	<i>78,054,663</i>	<i>116,686,266</i>	<i>204,180,715</i>
Oilseed farming	<1	82,261	218,260	422,155
Grain farming	<1	43,748	73,902	307,161
Vegetable and melon farming	<1	23,537	36,801	87,224
Fruit farming	<1	3,550	5,241	9,469
Tree nut farming	<1	61	94	180
Greenhouse, nursery, and floriculture production	<1	13,589	21,519	56,692
Tobacco farming	<1	13,315	15,452	40,345
Cotton farming	<1	1,762	2,714	6,443
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	12,457	18,419	47,554
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	6,424	11,889	41,528
Dairy cattle and milk production	<1	6,253	10,670	66,713
Poultry and egg production	<1	24,441	42,268	609,963
Animal production, except cattle and poultry and eggs	2	120,279	304,729	446,463
Forestry, forest products, and timber tract production	<1	3,664	4,332	5,990
Commercial logging	<1	19,677	27,150	46,483
Commercial fishing	<1	886	8,196	8,268
Commercial hunting and trapping	<1	1,043	2,911	4,390
Support activities for agriculture and forestry	2	82,041	85,372	94,811
Oil and gas extraction	<1	1,797	635	249,765
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	2,702	5,378	10,501
Silver ore mining	<1	491	774	1,474
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	858	1,424	2,784
Stone mining and quarrying	<1	20,774	58,967	96,057
Sand and gravel mining	<1	4,449	6,964	13,729

## Appendix

Other clay, ceramic, refractory minerals mining	<1	1,914	3,201	6,485
Potash, soda, and borate mineral mining	<1	550	745	1,404
Phosphate rock mining	<1	185	300	586
Other chemical and fertilizer mineral mining	<1	94	130	255
Other nonmetallic minerals	<1	791	1,238	2,426
Drilling oil and gas wells	<1	1	2	10
Support activities for oil and gas operations	<1	10	13	60
Metal mining services	<1	12	4	2,045
Other nonmetallic minerals services	<1	5	7	203
Electric power generation - Hydroelectric	<1	2,677	5,914	10,127
Electric power generation - Fossil fuel	<1	58,528	199,917	403,264
Electric power generation - Nuclear	<1	109,765	200,239	334,263
Electric power generation - Solar	<1	21,543	49,483	83,364
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,266	6,362	15,168
Electric power generation - All other	<1	2,187	1,320	2,238
Electric power transmission and distribution	1	365,693	1,227,467	2,426,241
Natural gas distribution	<1	116,150	412,329	795,122
Water, sewage and other systems	<1	55,180	106,454	159,832
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	35	2,347,145	2,348,281	5,104,673
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	191,620	287,584	757,315
Maintenance and repair construction of residential structures	1	83,433	119,572	300,104
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	76	115	300
Dog and cat food manufacturing	<1	3,400	13,099	43,232
Other animal food manufacturing	<1	12,456	28,437	186,277
Flour milling	<1	7,533	22,283	153,781
Rice milling	0	0	0	0
Malt manufacturing	<1	2,007	4,847	33,478
Wet corn milling	<1	28,909	94,272	409,967
Soybean and other oilseed processing	<1	2,891	29,404	171,802
Fats and oils refining and blending	<1	318	1,314	11,735
Breakfast cereal manufacturing	<1	3,289	11,738	29,142
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2,628	4,563	18,903
Chocolate and confectionery manufacturing from cacao beans	<1	1,203	2,293	8,367
Confectionery manufacturing from purchased chocolate	<1	729	1,353	6,757
Frozen fruits, juices and vegetables manufacturing	<1	1,872	5,573	19,805
Frozen specialties manufacturing	<1	2,060	3,408	14,456
Canned fruits and vegetables manufacturing	<1	7,922	21,051	71,871
Canned specialties	<1	9,879	32,569	108,359
Dehydrated food products manufacturing	<1	2,062	5,050	15,474
Cheese manufacturing	<1	269	490	7,065
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	5,261	11,282	65,878
Creamery butter manufacturing	<1	945	4,916	19,850
Ice cream and frozen dessert manufacturing	<1	3,636	6,471	23,642

## Appendix

Frozen cakes and other pastries manufacturing	<1	19,915	29,448	59,812
Poultry processing	2	90,351	128,792	602,851
Animal, except poultry, slaughtering	1	85,974	118,799	980,153
Meat processed from carcasses	<1	19,505	19,971	159,406
Rendering and meat byproduct processing	<1	2,094	2,262	13,557
Seafood product preparation and packaging	<1	7,322	13,201	80,861
Bread and bakery product, except frozen, manufacturing	2	61,455	102,959	254,718
Cookie and cracker manufacturing	<1	29,233	51,414	139,144
Dry pasta, mixes, and dough manufacturing	<1	3,724	12,541	40,228
Tortilla manufacturing	<1	1,702	2,684	9,562
Roasted nuts and peanut butter manufacturing	<1	4,268	15,003	44,503
Other snack food manufacturing	<1	12,500	45,880	126,708
Coffee and tea manufacturing	<1	3,971	10,181	40,660
Flavoring syrup and concentrate manufacturing	<1	1,600	20,472	37,136
Mayonnaise, dressing, and sauce manufacturing	<1	278	723	2,837
Spice and extract manufacturing	<1	1,914	4,078	14,097
All other food manufacturing	<1	12,838	22,436	92,782
Bottled and canned soft drinks & water	<1	18,750	43,569	171,581
Manufactured ice	<1	1,688	1,500	5,246
Breweries	<1	48,269	135,185	345,088
Wineries	<1	7,863	18,686	66,911
Distilleries	<1	2,412	18,333	39,834
Tobacco product manufacturing	<1	7,344	324,034	442,352
Fiber, yarn, and thread mills	<1	45,102	57,441	284,897
Broadwoven fabric mills	<1	16,910	23,834	99,389
Narrow fabric mills and schiffli machine embroidery	<1	3,501	3,872	12,226
Nonwoven fabric mills	<1	41,987	63,955	237,589
Knit fabric mills	<1	8,510	10,983	35,824
Textile and fabric finishing mills	<1	11,207	14,452	63,989
Fabric coating mills	<1	2,727	3,351	12,445
Carpet and rug mills	<1	10,357	14,855	58,122
Curtain and linen mills	<1	2,269	2,852	10,650
Textile bag and canvas mills	<1	2,000	2,631	8,519
Rope, cordage, twine, tire cord and tire fabric mills	<1	4,023	5,979	16,945

Appendix

Other textile product mills	<1	7,041	8,336	24,274
Hosiery and sock mills	<1	2,985	2,654	8,282
Other apparel knitting mills	<1	2,939	2,552	8,179
Cut and sew apparel contractors	<1	644	693	1,541
Men's and boys' cut and sew apparel manufacturing	<1	1,149	1,107	3,473
Women's and girls' cut and sew apparel manufacturing	<1	1,257	899	6,060
Other cut and sew apparel manufacturing	<1	1,418	1,354	5,381
Apparel accessories and other apparel manufacturing	<1	726	683	2,683
Leather and hide tanning and finishing	<1	181	161	1,254
Footwear manufacturing	<1	536	540	2,128
Other leather and allied product manufacturing	<1	658	638	2,087
Sawmills	<1	28,720	64,146	206,326
Wood preservation	<1	1,331	5,247	19,086
Veneer and plywood manufacturing	<1	13,003	24,642	75,830
Engineered wood member and truss manufacturing	<1	9,248	19,128	57,052
Reconstituted wood product manufacturing	<1	3,419	14,425	49,295
Wood windows and door manufacturing	<1	34,493	54,993	121,132
Cut stock, resawing lumber, and planing	<1	3,142	8,113	23,389
Other millwork, including flooring	<1	11,862	24,048	59,897
Wood container and pallet manufacturing	<1	10,715	17,558	47,287
Manufactured home (mobile home) manufacturing	<1	150	254	653
Prefabricated wood building manufacturing	<1	4,517	9,845	26,540
All other miscellaneous wood product manufacturing	<1	6,075	10,222	25,967
Pulp mills	<1	737	916	3,771
Paper mills	<1	41,556	68,477	308,727
Paperboard mills	<1	7,951	12,967	61,896
Paperboard container manufacturing	<1	43,979	57,980	292,172
Paper bag and coated and treated paper manufacturing	<1	27,060	35,599	141,997
Stationery product manufacturing	<1	4,323	5,052	24,046

## Appendix

Sanitary paper product manufacturing	<1	9,432	20,266	92,959
All other converted paper product manufacturing	<1	5,697	7,987	29,576
Printing	2	107,213	180,323	363,552
Support activities for printing	<1	8,111	13,664	20,405
Petroleum refineries	<1	448	1,638	41,481
Asphalt paving mixture and block manufacturing	<1	1,177	1,358	9,492
Asphalt shingle and coating materials manufacturing	<1	5,081	7,781	41,188
Petroleum lubricating oil and grease manufacturing	<1	4,034	4,970	30,858
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	864	12,910	45,019
Industrial gas manufacturing	<1	677	2,234	6,829
Synthetic dye and pigment manufacturing	<1	2,339	5,044	14,787
Other basic inorganic chemical manufacturing	<1	3,761	9,324	29,127
Other basic organic chemical manufacturing	<1	11,870	32,042	194,616
Plastics material and resin manufacturing	<1	8,801	17,725	129,432
Synthetic rubber manufacturing	<1	771	1,206	6,652
Artificial and synthetic fibers and filaments manufacturing	<1	64,206	100,085	329,817
Nitrogenous fertilizer manufacturing	<1	4,408	17,673	48,272
Phosphatic fertilizer manufacturing	<1	3,530	10,784	31,346
Fertilizer mixing	<1	435	975	3,280
Pesticide and other agricultural chemical manufacturing	<1	14,299	56,650	152,015
Medicinal and botanical manufacturing	<1	1,731	2,932	7,757
Pharmaceutical preparation manufacturing	1	137,447	399,533	990,228
In-vitro diagnostic substance manufacturing	<1	101	158	419
Biological product (except diagnostic) manufacturing	<1	22,267	70,971	142,319
Paint and coating manufacturing	<1	10,506	23,758	100,559
Adhesive manufacturing	<1	3,851	6,736	28,032
Soap and other detergent manufacturing	<1	19,616	59,314	187,962
Polish and other sanitation good manufacturing	<1	14,773	26,224	73,991

## Appendix

Surface active agent manufacturing	<1	3,032	13,627	38,817
Toilet preparation manufacturing	<1	12,284	40,320	104,797
Printing ink manufacturing	<1	2,788	3,159	14,141
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	3,987	8,024	31,994
Photographic film and chemical manufacturing	<1	1,814	4,202	14,171
Other miscellaneous chemical product manufacturing	<1	27,057	46,520	165,582
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	23,194	36,592	115,514
Unlaminated plastics profile shape manufacturing	<1	3,886	8,440	33,304
Plastics pipe and pipe fitting manufacturing	<1	9,903	26,867	93,231
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4,131	6,788	20,791
Polystyrene foam product manufacturing	<1	18,728	32,855	131,757
Urethane and other foam product (except polystyrene) manufacturing	<1	14,538	24,617	114,512
Plastics bottle manufacturing	<1	3,019	4,656	20,556
Other plastics product manufacturing	1	86,252	127,125	408,388
Tire manufacturing	<1	53,094	68,088	243,864
Rubber and plastics hoses and belting manufacturing	<1	2,823	4,439	15,398
Other rubber product manufacturing	<1	6,775	8,562	30,343
Pottery, ceramics, and plumbing fixture manufacturing	<1	2,427	3,856	9,106
Brick, tile, and other structural clay product manufacturing	<1	8,042	13,560	32,693
Flat glass manufacturing	<1	3,621	7,129	17,277
Other pressed and blown glass and glassware manufacturing	<1	18,149	30,146	65,776
Glass container manufacturing	<1	7,674	12,325	28,575
Glass product manufacturing made of purchased glass	<1	3,290	5,977	16,591
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	32,601	53,507	182,024
Concrete block and brick manufacturing	<1	17,161	30,240	70,922
Concrete pipe manufacturing	<1	12,417	20,412	60,185



## Appendix

Other concrete product manufacturing	<1	28,158	41,380	104,870
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,175	6,196	16,318
Abrasive product manufacturing	<1	2,223	4,811	9,766
Cut stone and stone product manufacturing	<1	6,456	8,401	18,848
Ground or treated mineral and earth manufacturing	<1	558	1,270	2,515
Mineral wool manufacturing	<1	1,570	4,136	8,872
Miscellaneous nonmetallic mineral products manufacturing	<1	9,024	20,638	45,794
Iron and steel mills and ferroalloy manufacturing	<1	12,525	42,999	188,784
Iron, steel pipe and tube manufacturing from purchased steel	<1	762	2,293	9,863
Rolled steel shape manufacturing	<1	1,081	5,348	19,008
Steel wire drawing	<1	5,056	13,513	50,163
Alumina refining and primary aluminum production	<1	321	681	4,016
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,396	4,003	16,285
Other aluminum rolling, drawing and extruding	<1	437	778	3,457
Nonferrous metal (exc aluminum) smelting and refining	<1	46	441	1,154
Copper rolling, drawing, extruding and alloying	<1	3,744	10,260	74,569
Nonferrous metal, except copper and aluminum, shaping	<1	2,388	3,267	10,992
Secondary processing of other nonferrous metals	<1	282	781	2,903
Ferrous metal foundries	<1	2,457	5,261	10,696
Nonferrous metal foundries	<1	5,171	8,193	19,955
Custom roll forming	<1	50	77	517
Crown and closure manufacturing and metal stamping	<1	3,382	4,600	15,307
Iron and steel forging	<1	2,119	3,058	11,674
Nonferrous forging	<1	312	415	1,169
Cutlery, utensil, pot, and pan manufacturing	<1	579	1,394	4,789
Handtool manufacturing	<1	9,855	16,946	36,143
Prefabricated metal buildings and components manufacturing	<1	33,838	53,371	184,619

## Appendix

Fabricated structural metal manufacturing	<1	20,268	32,368	117,476
Plate work manufacturing	<1	6,044	7,049	23,870
Metal window and door manufacturing	<1	16,397	24,002	70,565
Sheet metal work manufacturing	<1	7,663	11,003	33,690
Ornamental and architectural metal work manufacturing	<1	6,492	8,198	25,073
Power boiler and heat exchanger manufacturing	<1	370	539	1,763
Metal tank (heavy gauge) manufacturing	<1	2,109	2,692	8,998
Metal cans manufacturing	<1	2,892	5,905	27,429
Metal barrels, drums and pails manufacturing	<1	1,432	1,952	7,647
Hardware manufacturing	<1	5,636	8,835	31,531
Spring and wire product manufacturing	<1	3,774	5,205	19,570
Machine shops	<1	38,706	47,300	109,718
Turned product and screw, nut, and bolt manufacturing	<1	2,591	3,450	9,601
Metal heat treating	<1	2,397	3,294	9,262
Metal coating and nonprecious engraving	<1	5,646	10,739	30,285
Electroplating, anodizing, and coloring metal	<1	2,605	2,884	7,056
Valve and fittings, other than plumbing, manufacturing	<1	9,528	15,098	51,068
Plumbing fixture fitting and trim manufacturing	<1	5,851	15,206	60,699
Ball and roller bearing manufacturing	<1	2,002	3,468	10,114
Small arms ammunition manufacturing	<1	434	1,085	2,687
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	6,872	15,831	47,456
Fabricated pipe and pipe fitting manufacturing	<1	3,339	4,349	12,390
Other fabricated metal manufacturing	<1	9,172	12,741	39,152
Farm machinery and equipment manufacturing	<1	90	227	919
Lawn and garden equipment manufacturing	<1	1,052	2,375	7,237
Construction machinery manufacturing	<1	1,689	5,630	13,772
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	6,792	9,672	22,282
Food product machinery manufacturing	<1	55	70	208
Sawmill, woodworking, and paper machinery	<1	69	86	307
Printing machinery and equipment manufacturing	<1	86	102	338
All other industrial machinery manufacturing	<1	359	542	1,454
Optical instrument and lens manufacturing	<1	146	264	661
Photographic and photocopying equipment manufacturing	<1	83	117	379
Other commercial service industry machinery manufacturing	<1	3,092	6,657	19,232
Air purification and ventilation equipment manufacturing	<1	3,068	4,752	13,243
Heating equipment (except warm air furnaces) manufacturing	<1	6,618	13,613	38,866
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	15,347	35,004	77,294
Industrial mold manufacturing	<1	601	833	1,743
Special tool, die, jig, and fixture manufacturing	<1	327	530	1,026
Cutting tool and machine tool accessory manufacturing	<1	905	1,180	2,875
Machine tool manufacturing	<1	378	571	1,441
Rolling mill and other metalworking machinery manufacturing	<1	122	198	474
Turbine and turbine generator set units manufacturing	<1	264	309	948
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,388	2,480	6,001
Mechanical power transmission equipment manufacturing	<1	2,170	3,943	8,437
Other engine equipment manufacturing	<1	7,168	21,911	65,976
Pump and pumping equipment manufacturing	<1	1,448	3,308	8,117
Air and gas compressor manufacturing	<1	495	805	1,932
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	136	166	480
Overhead cranes, hoists, and monorail systems manufacturing	<1	4,585	10,825	34,997
Industrial truck, trailer, and stacker manufacturing	<1	18,908	33,606	111,139
Power-driven handtool manufacturing	<1	1,121	4,710	10,264
Welding and soldering equipment manufacturing	<1	31	60	148
Packaging machinery manufacturing	<1	163	308	703
Industrial process furnace and oven manufacturing	<1	50	71	171
Fluid power cylinder and actuator manufacturing	<1	1,472	2,544	6,071
Fluid power pump and motor manufacturing	<1	369	802	2,101
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	384	548	1,555
Electronic computer manufacturing	<1	1,197	1,808	4,818
Computer storage device manufacturing	<1	15	27	103
Computer terminals and other computer peripheral equipment manufacturing	<1	29,187	45,412	104,122
Telephone apparatus manufacturing	<1	935	1,742	4,089
Broadcast and wireless communications equipment manufacturing	<1	163	238	599
Other communications equipment manufacturing	<1	243	451	1,457
Audio and video equipment manufacturing	<1	735	1,449	7,652
Printed circuit assembly (electronic assembly) manufacturing	<1	1,370	2,472	9,538
Bare printed circuit board manufacturing	<1	2,159	2,810	5,062
Semiconductor and related device manufacturing	<1	9,667	17,577	61,682
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	788	1,094	3,888
Electronic connector manufacturing	<1	973	1,416	3,338
Other electronic component manufacturing	<1	22,764	32,230	96,354

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	238	424	1,097
Search, detection, and navigation instruments manufacturing	<1	8	15	40
Automatic environmental control manufacturing	<1	2,671	3,877	10,364
Industrial process variable instruments manufacturing	<1	2,786	4,791	13,392
Totalizing fluid meter and counting device manufacturing	<1	322	753	1,753
Electricity and signal testing instruments manufacturing	<1	638	816	2,031
Analytical laboratory instrument manufacturing	<1	17,414	30,996	79,805
Irradiation apparatus manufacturing	<1	11	23	68
Watch, clock, and other measuring and controlling device manufacturing	<1	715	1,126	4,550
Blank magnetic and optical recording media manufacturing	<1	2,293	9,049	21,082
Software and other prerecorded and record reproducing	<1	3,713	5,621	9,844
Electric lamp bulb and part manufacturing	<1	194	318	836
Lighting fixture manufacturing	<1	4,988	6,566	21,339
Small electrical appliance manufacturing	<1	218	471	1,545
Household cooking appliance manufacturing	<1	3,815	9,385	27,150
Household refrigerator and home freezer manufacturing	<1	4,678	10,663	28,879
Household laundry equipment manufacturing	<1	14,193	23,996	80,452
Other major household appliance manufacturing	<1	2,454	6,181	15,411
Power, distribution, and specialty transformer manufacturing	<1	215	301	772
Motor and generator manufacturing	<1	2,100	3,904	14,642
Switchgear and switchboard apparatus manufacturing	<1	2,361	4,231	10,908
Relay and industrial control manufacturing	<1	8,592	11,597	32,764
Storage battery manufacturing	<1	7,392	12,040	37,700
Primary battery manufacturing	<1	1,585	5,513	9,186
Fiber optic cable manufacturing	<1	23,959	35,764	147,719

Appendix

Other communication and energy wire manufacturing	<1	3,342	5,989	23,882
Wiring device manufacturing	<1	15,984	32,524	85,243
Carbon and graphite product manufacturing	<1	2,574	3,954	13,779
All other miscellaneous electrical equipment and component manufacturing	<1	5,107	5,962	18,826
Automobile manufacturing	<1	152	520	2,986
Light truck and utility vehicle manufacturing	<1	43	147	1,231
Heavy duty truck manufacturing	<1	248	506	2,532
Motor vehicle body manufacturing	<1	1,688	2,236	8,574
Truck trailer manufacturing	<1	5	7	34
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	8,402	10,043	37,767
Motor vehicle gasoline engine and engine parts manufacturing	<1	4,871	7,762	43,202
Motor vehicle electrical and electronic equipment manufacturing	<1	4,037	5,547	25,630
Motor vehicle transmission and power train parts manufacturing	<1	45,002	65,806	327,556
Motor vehicle seating and interior trim manufacturing	<1	117	140	851
Motor vehicle metal stamping	<1	894	1,131	4,857
Other motor vehicle parts manufacturing	<1	48,086	65,972	319,133
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	12,824	19,005	83,502
Aircraft manufacturing	<1	48	205	317
Aircraft engine and engine parts manufacturing	<1	498	3,851	4,969
Other aircraft parts and auxiliary equipment manufacturing	<1	2,194	6,479	9,243
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	24	35	113
Ship building and repairing	<1	45	139	245
Boat building	<1	6,837	23,984	47,358
Motorcycle, bicycle, and parts manufacturing	<1	525	8,657	11,168

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	4,076	28,254	48,416
Wood kitchen cabinet and countertop manufacturing	<1	12,976	16,367	45,691
Upholstered household furniture manufacturing	<1	49,357	54,400	194,457
Nonupholstered wood household furniture manufacturing	<1	6,014	6,871	20,560
Other household nonupholstered furniture manufacturing	<1	1,204	1,910	8,543
Institutional furniture manufacturing	<1	363	386	1,437
Wood office furniture manufacturing	<1	1,629	2,020	5,744
Custom architectural woodwork and millwork	<1	411	402	1,192
Office furniture, except wood, manufacturing	<1	510	803	2,906
Showcase, partition, shelving, and locker manufacturing	<1	2,262	3,010	10,582
Mattress manufacturing	<1	5,890	9,952	41,824
Blind and shade manufacturing	<1	882	887	3,227
Surgical and medical instrument manufacturing	<1	2,350	3,723	8,818
Surgical appliance and supplies manufacturing	<1	6,999	13,796	34,374
Dental equipment and supplies manufacturing	<1	91	154	362
Ophthalmic goods manufacturing	<1	227	442	943
Dental laboratories	<1	3,222	3,680	7,025
Jewelry and silverware manufacturing	<1	3,844	6,533	19,954
Sporting and athletic goods manufacturing	<1	1,758	2,612	9,282
Doll, toy, and game manufacturing	<1	392	756	2,366
Office supplies (except paper) manufacturing	<1	5,373	9,019	26,659
Sign manufacturing	<1	4,498	4,268	11,775
Gasket, packing, and sealing device manufacturing	<1	1,509	1,727	4,443
Musical instrument manufacturing	<1	913	1,015	2,586
Fasteners, buttons, needles, and pins manufacturing	<1	2,582	2,990	7,494

## Appendix

Broom, brush, and mop manufacturing	<1	3,456	4,955	13,229
Burial casket manufacturing	<1	1,036	1,559	3,408
All other miscellaneous manufacturing	<1	9,429	13,526	39,012
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	61,057	122,642	303,261
Wholesale - Professional and commercial equipment and supplies	2	305,150	455,253	801,931
Wholesale - Household appliances and electrical and electronic goods	<1	108,152	237,656	536,091
Wholesale - Machinery, equipment, and supplies	1	155,342	274,766	509,392
Wholesale - Other durable goods merchant wholesalers	4	342,949	584,688	1,289,755
Wholesale - Drugs and druggistsâ€™ sundries	<1	158,781	365,905	828,307
Wholesale - Grocery and related product wholesalers	3	236,767	341,452	731,682
Wholesale - Petroleum and petroleum products	<1	27,256	418,238	518,451
Wholesale - Other nondurable goods merchant wholesalers	4	371,951	770,363	1,534,071
Wholesale - Wholesale electronic markets and agents and brokers	2	283,467	316,477	370,149
Retail - Motor vehicle and parts dealers	3	276,864	361,454	516,730
Retail - Furniture and home furnishings stores	2	124,404	160,738	280,699
Retail - Electronics and appliance stores	2	145,946	120,187	204,848
Retail - Building material and garden equipment and supplies stores	4	232,763	422,687	607,828
Retail - Food and beverage stores	10	335,895	473,435	841,467
Retail - Health and personal care stores	5	211,304	267,008	420,017
Retail - Gasoline stores	3	154,482	277,615	529,948
Retail - Clothing and clothing accessories stores	5	151,321	243,085	542,369
Retail - Sporting goods, hobby, musical instrument and book stores	3	118,178	147,567	250,148
Retail - General merchandise stores	9	312,122	473,526	829,178
Retail - Miscellaneous store retailers	7	202,094	197,875	359,405
Retail - Nonstore retailers	8	188,166	1,048,062	1,753,390
Air transportation	2	251,955	447,236	1,000,939



## Appendix

Rail transportation	<1	26,666	51,452	113,454
Water transportation	<1	7,763	16,239	61,130
Truck transportation	7	467,964	699,544	1,523,561
Transit and ground passenger transportation	5	52,524	81,663	160,388
Pipeline transportation	<1	27,205	70,859	125,028
Scenic and sightseeing transportation and support activities for transportation	3	211,964	178,038	291,494
Couriers and messengers	7	161,875	331,382	411,126
Warehousing and storage	7	344,402	372,638	711,461
Newspaper publishers	<1	17,034	26,293	42,169
Periodical publishers	<1	10,799	14,488	26,973
Book publishers	<1	21,679	50,501	111,298
Directory, mailing list, and other publishers	<1	2,544	5,455	9,380
Greeting card publishing	<1	1,260	3,739	9,138
Software publishers	4	761,825	1,316,050	1,776,436
Motion picture and video industries	<1	39,513	63,656	191,206
Sound recording industries	<1	8,789	60,326	121,399
Radio and television broadcasting	<1	96,446	153,552	474,494
Cable and other subscription programming	<1	36,293	266,876	708,249
Wired telecommunications carriers	2	200,942	410,258	831,309
Wireless telecommunications carriers (except satellite)	<1	37,595	284,103	701,976
Satellite, telecommunications resellers, and all other telecommunications	<1	64,373	70,592	173,025
Data processing, hosting, and related services	2	302,871	577,892	1,636,413
News syndicates, libraries, archives and all other information services	<1	22,803	32,680	74,193
Internet publishing and broadcasting and web search portals	<1	139,764	321,222	1,088,768
Nondepository credit intermediation and related activities	2	298,200	324,357	495,710
Securities and commodity contracts intermediation and brokerage	5	520,297	340,579	692,094
Monetary authorities and depository credit intermediation	7	1,098,410	3,713,907	4,711,228

## Appendix

Other financial investment activities	5	461,938	499,369	1,110,216
Direct life insurance carriers	1	171,157	326,937	481,701
Insurance carriers, except direct life	4	362,255	1,043,084	2,327,574
Insurance agencies, brokerages, and related activities	6	513,166	776,814	1,869,944
Funds, trusts, and other financial vehicles	2	67,350	101,445	461,965
Other real estate	48	1,470,487	3,801,902	9,807,657
Tenant-occupied housing	3	84,704	1,145,300	1,217,429
Owner-occupied dwellings	0	0	5,007,657	6,043,413
Automotive equipment rental and leasing	<1	85,408	197,319	257,816
General and consumer goods rental except video tapes and discs	2	138,564	202,598	285,878
Video tape and disc rental	<1	21,898	34,226	56,504
Commercial and industrial machinery and equipment rental and leasing	<1	114,356	237,692	306,691
Lessors of nonfinancial intangible assets	<1	12,601	192,472	213,904
Legal services	6	571,373	902,501	1,297,860
Accounting, tax preparation, bookkeeping, and payroll services	5	449,408	585,256	893,941
Architectural, engineering, and related services	23	2,033,565	2,272,804	4,159,121
Specialized design services	<1	70,219	124,843	199,368
Custom computer programming services	2	219,464	239,488	322,326
Computer systems design services	2	263,420	265,937	336,016
Other computer related services, including facilities management	10	1,108,180	1,613,168	2,887,020
Management consulting services	13	1,327,779	1,387,171	2,222,286
Environmental and other technical consulting services	6	589,542	640,876	1,007,310
Scientific research and development services	54	5,931,008	7,913,811	14,407,153
Advertising, public relations, and related services	4	308,066	489,024	1,063,415
Photographic services	<1	13,655	38,180	78,932
Veterinary services	1	75,599	87,065	136,843
Marketing research and all other miscellaneous professional, scientific, and technical services	3	307,490	549,694	1,085,561
Management of companies and enterprises	11	1,849,975	2,065,425	3,106,409

## Appendix

Office administrative services	6	398,437	125,595	403,713
Facilities support services	<1	43,307	59,072	153,551
Employment services	25	1,265,987	1,754,258	2,969,622
Business support services	5	224,401	192,893	363,790
Travel arrangement and reservation services	<1	31,787	51,540	180,491
Investigation and security services	3	131,440	136,469	206,391
Services to buildings	10	342,025	494,438	1,082,722
Landscape and horticultural services	5	185,574	234,244	466,987
Other support services	3	128,241	168,242	379,385
Waste management and remediation services	2	103,140	169,821	388,156
Elementary and secondary schools	4	172,111	140,841	174,390
Junior colleges, colleges, universities, and professional schools	351	22,098,990	27,739,238	35,822,115
Other educational services	7	330,128	373,608	706,017
Offices of physicians	13	1,320,278	1,343,426	1,966,586
Offices of dentists	4	317,386	381,059	510,092
Offices of other health practitioners	4	222,868	338,916	433,550
Outpatient care centers	3	182,445	182,079	308,651
Medical and diagnostic laboratories	1	109,569	177,274	239,672
Home health care services	3	128,875	129,830	172,416
Other ambulatory health care services	1	62,305	74,153	117,308
Hospitals	15	1,375,319	1,665,280	3,054,330
Nursing and community care facilities	5	262,041	293,882	481,777
Residential mental retardation, mental health, substance abuse and other facilities	2	99,187	102,219	157,800
Individual and family services	8	292,463	261,734	361,351
Child day care services	4	141,312	210,730	278,346
Community food, housing, and other relief services, including rehabilitation services	1	59,119	58,688	123,332
Performing arts companies	<1	16,570	30,979	53,987
Commercial Sports Except Racing	3	159,458	144,111	220,193
Racing and Track Operation	<1	10,926	22,994	33,274
Independent artists, writers, and performers	<1	18,825	57,615	81,604

## Appendix

Promoters of performing arts and sports and agents for public figures	1	36,697	99,265	204,961
Museums, historical sites, zoos, and parks	<1	10,401	12,593	21,991
Amusement parks and arcades	<1	8,597	13,544	17,222
Gambling industries (except casino hotels)	1	52,715	154,413	216,267
Other amusement and recreation industries	2	69,782	75,047	108,864
Fitness and recreational sports centers	2	40,182	46,425	86,172
Bowling centers	<1	6,102	8,467	14,504
Hotels and motels, including casino hotels	3	101,584	199,080	307,567
Other accommodations	<1	34,663	43,402	55,366
Full-service restaurants	23	782,031	1,008,312	2,041,432
Limited-service restaurants	20	554,576	745,868	1,865,404
All other food and drinking places	22	880,465	1,206,427	1,892,418
Automotive repair and maintenance, except car washes	7	432,948	483,584	699,881
Car washes	3	228,760	304,706	457,882
Electronic and precision equipment repair and maintenance	3	221,676	263,183	425,989
Commercial and industrial machinery and equipment repair and maintenance	2	188,227	214,802	325,988
Personal and household goods repair and maintenance	1	57,776	113,282	160,746
Personal care services	6	185,752	136,542	165,864
Death care services	1	42,771	34,463	48,228
Dry-cleaning and laundry services	3	98,250	74,380	96,070
Other personal services	4	124,057	155,673	228,799
Religious organizations	2	109,925	68,687	181,853
Grantmaking, giving, and social advocacy organizations	<1	40,035	137,022	191,684
Business and professional associations	<1	73,147	126,904	210,831
Labor and civic organizations	1	40,236	130,975	212,438
Private households	3	50,861	50,861	50,861
Postal service	2	223,231	224,586	224,668
Federal electric utilities	<1	828	2,438	6,782
Other federal government enterprises	<1	12,115	29,310	66,911
State government passenger transit	<1	741	258	1,080

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	17,680	23,813	40,539
Local government passenger transit	<1	17,473	3,449	12,197
Local government electric utilities	<1	3,849	11,510	27,189
Other local government enterprises	2	135,614	187,024	701,772
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	42	8,057,179	10,857,099	19,868,233

## Moon to Mars Campaign

**Table 725: Detailed M2M Campaign Impacts by Types of Impact, North Carolina**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>60</i>	<i>4,469,189</i>	<i>6,763,436</i>	<i>11,546,583</i>
Oilseed farming	<1	4,979	15,148	30,290
Grain farming	<1	2,202	4,882	15,812
Vegetable and melon farming	<1	1,418	2,337	5,358
Fruit farming	<1	260	391	679
Tree nut farming	<1	5	8	16
Greenhouse, nursery, and floriculture production	<1	710	1,178	2,966
Tobacco farming	<1	1,057	1,266	3,488

Appendix

Cotton farming	<1	71	109	254
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	535	831	2,081
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	300	648	2,037
Dairy cattle and milk production	<1	391	736	4,138
Poultry and egg production	<1	1,170	2,146	28,493
Animal production, except cattle and poultry and eggs	<1	5,136	14,975	21,315
Forestry, forest products, and timber tract production	<1	134	160	215
Commercial logging	<1	470	679	1,120
Commercial fishing	<1	184	448	448
Commercial hunting and trapping	<1	79	158	229
Support activities for agriculture and forestry	<1	4,049	4,259	4,717
Oil and gas extraction	<1	63	26	11,354
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	149	291	562
Silver ore mining	<1	18	29	55
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	29	48	92
Stone mining and quarrying	<1	405	1,131	1,839
Sand and gravel mining	<1	65	101	196
Other clay, ceramic, refractory minerals mining	<1	40	68	137
Potash, soda, and borate mineral mining	<1	23	31	58
Phosphate rock mining	<1	8	12	23
Other chemical and fertilizer mineral mining	<1	4	6	11
Other nonmetallic minerals	<1	20	30	59
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	<1	<1	60
Other nonmetallic minerals services	<1	<1	<1	3
Electric power generation - Hydroelectric	<1	165	357	600

## Appendix

Electric power generation - Fossil fuel	<1	3,470	10,855	21,860
Electric power generation - Nuclear	<1	6,630	12,045	19,962
Electric power generation - Solar	<1	1,231	2,800	4,687
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	134	375	911
Electric power generation - All other	<1	129	53	107
Electric power transmission and distribution	<1	18,384	58,821	115,909
Natural gas distribution	<1	7,331	25,016	46,973
Water, sewage and other systems	<1	3,304	6,067	8,891
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	9,594	14,817	37,803
Maintenance and repair construction of residential structures	<1	4,661	6,850	16,686
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	7	17
Dog and cat food manufacturing	<1	189	729	2,372
Other animal food manufacturing	<1	651	1,538	9,825
Flour milling	<1	374	1,110	7,860

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	124	306	2,237
Wet corn milling	<1	1,188	4,122	16,562
Soybean and other oilseed processing	<1	157	1,577	9,345
Fats and oils refining and blending	<1	22	90	813
Breakfast cereal manufacturing	<1	198	682	1,726
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	171	295	1,181
Chocolate and confectionery manufacturing from cacao beans	<1	118	225	798
Confectionery manufacturing from purchased chocolate	<1	44	83	414
Frozen fruits, juices and vegetables manufacturing	<1	119	364	1,215
Frozen specialties manufacturing	<1	120	196	837
Canned fruits and vegetables manufacturing	<1	541	1,457	5,000
Canned specialties	<1	583	1,938	6,417
Dehydrated food products manufacturing	<1	170	412	1,258
Cheese manufacturing	<1	20	37	549
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	347	759	4,367
Creamery butter manufacturing	<1	66	337	1,391
Ice cream and frozen dessert manufacturing	<1	215	388	1,381
Frozen cakes and other pastries manufacturing	<1	1,260	1,879	3,762
Poultry processing	<1	4,050	5,888	27,813
Animal, except poultry, slaughtering	<1	4,594	6,411	53,530
Meat processed from carcasses	<1	1,100	1,132	9,051
Rendering and meat byproduct processing	<1	124	135	814
Seafood product preparation and packaging	<1	429	791	4,517
Bread and bakery product, except frozen, manufacturing	<1	3,820	6,460	15,961
Cookie and cracker manufacturing	<1	1,908	3,462	8,815
Dry pasta, mixes, and dough manufacturing	<1	235	782	2,606
Tortilla manufacturing	<1	95	149	532



## Appendix

Roasted nuts and peanut butter manufacturing	<1	268	968	2,769
Other snack food manufacturing	<1	723	2,619	7,154
Coffee and tea manufacturing	<1	286	732	2,999
Flavoring syrup and concentrate manufacturing	<1	94	1,216	2,195
Mayonnaise, dressing, and sauce manufacturing	<1	17	44	174
Spice and extract manufacturing	<1	136	297	1,014
All other food manufacturing	<1	856	1,498	6,248
Bottled and canned soft drinks & water	<1	962	2,251	8,896
Manufactured ice	<1	94	85	280
Breweries	<1	3,076	8,919	22,797
Wineries	<1	605	1,412	4,788
Distilleries	<1	129	1,069	2,249
Tobacco product manufacturing	<1	393	20,924	26,611
Fiber, yarn, and thread mills	<1	2,562	3,361	15,940
Broadwoven fabric mills	<1	869	1,268	4,983
Narrow fabric mills and schiffli machine embroidery	<1	170	190	585
Nonwoven fabric mills	<1	2,472	4,148	13,833
Knit fabric mills	<1	827	1,083	3,547
Textile and fabric finishing mills	<1	783	1,022	4,305
Fabric coating mills	<1	156	196	680
Carpet and rug mills	<1	520	780	2,787
Curtain and linen mills	<1	144	185	656
Textile bag and canvas mills	<1	110	148	459
Rope, cordage, twine, tire cord and tire fabric mills	<1	159	252	674
Other textile product mills	<1	365	443	1,233
Hosiery and sock mills	<1	194	177	499
Other apparel knitting mills	<1	165	148	436
Cut and sew apparel contractors	<1	40	43	91
Men's and boys' cut and sew apparel manufacturing	<1	90	88	252
Women's and girls' cut and sew apparel manufacturing	<1	102	79	450
Other cut and sew apparel manufacturing	<1	111	107	402
Apparel accessories and other apparel manufacturing	<1	53	52	181
Leather and hide tanning and finishing	<1	12	10	81
Footwear manufacturing	<1	32	33	120
Other leather and allied product manufacturing	<1	40	40	125

## Appendix

Sawmills	<1	580	1,310	4,230
Wood preservation	<1	25	100	359
Veneer and plywood manufacturing	<1	223	436	1,348
Engineered wood member and truss manufacturing	<1	160	337	998
Reconstituted wood product manufacturing	<1	56	248	800
Wood windows and door manufacturing	<1	1,080	1,716	3,762
Cut stock, resawing lumber, and planing	<1	82	211	623
Other millwork, including flooring	<1	347	698	1,725
Wood container and pallet manufacturing	<1	525	866	2,320
Manufactured home (mobile home) manufacturing	<1	1	2	5
Prefabricated wood building manufacturing	<1	39	88	237
All other miscellaneous wood product manufacturing	<1	296	494	1,187
Pulp mills	<1	25	31	128
Paper mills	<1	1,746	2,596	12,741
Paperboard mills	<1	303	481	2,368
Paperboard container manufacturing	<1	2,061	2,740	13,947
Paper bag and coated and treated paper manufacturing	<1	1,290	1,662	6,646
Stationery product manufacturing	<1	266	307	1,414
Sanitary paper product manufacturing	<1	458	964	4,561
All other converted paper product manufacturing	<1	309	428	1,623
Printing	<1	5,253	9,071	17,476
Support activities for printing	<1	400	678	998
Petroleum refineries	<1	21	83	1,987
Asphalt paving mixture and block manufacturing	<1	26	30	209
Asphalt shingle and coating materials manufacturing	<1	134	227	1,123
Petroleum lubricating oil and grease manufacturing	<1	115	149	921
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	19	288	978
Industrial gas manufacturing	<1	23	83	246

## Appendix

Synthetic dye and pigment manufacturing	<1	101	231	689
Other basic inorganic chemical manufacturing	<1	123	329	995
Other basic organic chemical manufacturing	<1	447	1,274	7,579
Plastics material and resin manufacturing	<1	291	620	4,491
Synthetic rubber manufacturing	<1	28	45	249
Artificial and synthetic fibers and filaments manufacturing	<1	3,476	5,418	17,948
Nitrogenous fertilizer manufacturing	<1	170	727	1,832
Phosphatic fertilizer manufacturing	<1	132	420	1,196
Fertilizer mixing	<1	15	37	117
Pesticide and other agricultural chemical manufacturing	<1	699	3,015	7,872
Medicinal and botanical manufacturing	<1	162	292	694
Pharmaceutical preparation manufacturing	<1	9,520	31,652	72,098
In-vitro diagnostic substance manufacturing	<1	11	17	45
Biological product (except diagnostic) manufacturing	<1	1,930	6,523	12,322
Paint and coating manufacturing	<1	481	1,163	4,803
Adhesive manufacturing	<1	164	305	1,206
Soap and other detergent manufacturing	<1	1,077	3,585	10,406
Polish and other sanitation good manufacturing	<1	805	1,552	4,138
Surface active agent manufacturing	<1	144	690	1,870
Toilet preparation manufacturing	<1	808	2,986	7,320
Printing ink manufacturing	<1	149	168	762
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	151	314	1,221
Photographic film and chemical manufacturing	<1	78	192	616
Other miscellaneous chemical product manufacturing	<1	267	489	1,770
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,062	1,687	5,209
Unlaminated plastics profile shape manufacturing	<1	162	356	1,352
Plastics pipe and pipe fitting manufacturing	<1	185	514	1,762

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	141	234	716
Polystyrene foam product manufacturing	<1	732	1,305	5,175
Urethane and other foam product (except polystyrene) manufacturing	<1	667	1,145	5,204
Plastics bottle manufacturing	<1	187	290	1,246
Other plastics product manufacturing	<1	3,881	5,845	18,177
Tire manufacturing	<1	1,927	2,554	8,992
Rubber and plastics hoses and belting manufacturing	<1	105	166	582
Other rubber product manufacturing	<1	244	309	1,108
Pottery, ceramics, and plumbing fixture manufacturing	<1	46	73	174
Brick, tile, and other structural clay product manufacturing	<1	125	208	503
Flat glass manufacturing	<1	69	137	330
Other pressed and blown glass and glassware manufacturing	<1	605	1,008	2,175
Glass container manufacturing	<1	452	727	1,692
Glass product manufacturing made of purchased glass	<1	125	221	620
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	408	659	2,262
Concrete block and brick manufacturing	<1	173	301	715
Concrete pipe manufacturing	<1	38	64	190
Other concrete product manufacturing	<1	186	275	697
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	46	129	342
Abrasive product manufacturing	<1	59	128	261
Cut stone and stone product manufacturing	<1	247	318	716
Ground or treated mineral and earth manufacturing	<1	14	32	64
Mineral wool manufacturing	<1	26	66	141
Miscellaneous nonmetallic mineral products manufacturing	<1	35	80	174
Iron and steel mills and ferroalloy manufacturing	<1	291	1,019	4,422
Iron, steel pipe and tube manufacturing from purchased steel	<1	20	60	253

## Appendix

Rolled steel shape manufacturing	<1	22	110	400
Steel wire drawing	<1	105	276	1,034
Alumina refining and primary aluminum production	<1	15	32	181
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	41	113	476
Other aluminum rolling, drawing and extruding	<1	19	33	147
Nonferrous metal (exc aluminum) smelting and refining	<1	1	10	28
Copper rolling, drawing, extruding and alloying	<1	87	236	1,711
Nonferrous metal, except copper and aluminum, shaping	<1	94	126	429
Secondary processing of other nonferrous metals	<1	9	23	89
Ferrous metal foundries	<1	100	221	458
Nonferrous metal foundries	<1	236	371	905
Custom roll forming	<1	2	3	21
Crown and closure manufacturing and metal stamping	<1	158	214	704
Iron and steel forging	<1	56	81	311
Nonferrous forging	<1	13	17	48
Cutlery, utensil, pot, and pan manufacturing	<1	36	85	276
Handtool manufacturing	<1	547	945	2,003
Prefabricated metal buildings and components manufacturing	<1	70	109	390
Fabricated structural metal manufacturing	<1	266	423	1,548
Plate work manufacturing	<1	193	226	758
Metal window and door manufacturing	<1	317	466	1,352
Sheet metal work manufacturing	<1	214	306	919
Ornamental and architectural metal work manufacturing	<1	112	141	428
Power boiler and heat exchanger manufacturing	<1	11	16	53
Metal tank (heavy gauge) manufacturing	<1	22	28	91
Metal cans manufacturing	<1	177	361	1,651
Metal barrels, drums and pails manufacturing	<1	63	86	336
Hardware manufacturing	<1	226	352	1,208
Spring and wire product manufacturing	<1	127	175	655

## Appendix

Machine shops	<1	1,077	1,311	3,011
Turned product and screw, nut, and bolt manufacturing	<1	95	126	344
Metal heat treating	<1	93	128	361
Metal coating and nonprecious engraving	<1	217	413	1,169
Electroplating, anodizing, and coloring metal	<1	115	127	311
Valve and fittings, other than plumbing, manufacturing	<1	206	326	1,101
Plumbing fixture fitting and trim manufacturing	<1	139	355	1,437
Ball and roller bearing manufacturing	<1	110	187	544
Small arms ammunition manufacturing	<1	22	56	136
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	382	870	2,501
Fabricated pipe and pipe fitting manufacturing	<1	47	62	178
Other fabricated metal manufacturing	<1	326	451	1,369
Farm machinery and equipment manufacturing	<1	3	9	34
Lawn and garden equipment manufacturing	<1	47	106	316
Construction machinery manufacturing	<1	25	89	205
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	<1	1	3
Food product machinery manufacturing	<1	2	3	10
Sawmill, woodworking, and paper machinery	<1	4	4	14
Printing machinery and equipment manufacturing	<1	3	4	13
All other industrial machinery manufacturing	<1	18	27	74
Optical instrument and lens manufacturing	<1	5	10	25
Photographic and photocopying equipment manufacturing	<1	4	6	19
Other commercial service industry machinery manufacturing	<1	54	118	334

## Appendix

Air purification and ventilation equipment manufacturing	<1	52	81	224
Heating equipment (except warm air furnaces) manufacturing	<1	394	826	2,223
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	626	1,431	3,102
Industrial mold manufacturing	<1	15	21	44
Special tool, die, jig, and fixture manufacturing	<1	15	25	48
Cutting tool and machine tool accessory manufacturing	<1	42	55	133
Machine tool manufacturing	<1	62	96	241
Rolling mill and other metalworking machinery manufacturing	<1	28	46	108
Turbine and turbine generator set units manufacturing	<1	12	14	43
Speed changer, industrial high-speed drive, and gear manufacturing	<1	48	85	202
Mechanical power transmission equipment manufacturing	<1	66	120	257
Other engine equipment manufacturing	<1	279	856	2,515
Pump and pumping equipment manufacturing	<1	21	46	115
Air and gas compressor manufacturing	<1	10	17	41
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	4	5	14
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	5	16
Industrial truck, trailer, and stacker manufacturing	<1	10	23	68
Power-driven handtool manufacturing	<1	92	369	811
Welding and soldering equipment manufacturing	<1	1	3	6
Packaging machinery manufacturing	<1	11	22	49
Industrial process furnace and oven manufacturing	<1	3	4	9
Fluid power cylinder and actuator manufacturing	<1	24	42	103
Fluid power pump and motor manufacturing	<1	11	23	59

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	12	17	49
Electronic computer manufacturing	<1	84	131	317
Computer storage device manufacturing	<1	<1	2	6
Computer terminals and other computer peripheral equipment manufacturing	<1	1,483	2,373	5,299
Telephone apparatus manufacturing	<1	34	65	151
Broadcast and wireless communications equipment manufacturing	<1	10	15	37
Other communications equipment manufacturing	<1	8	16	53
Audio and video equipment manufacturing	<1	73	149	684
Printed circuit assembly (electronic assembly) manufacturing	<1	52	97	365
Bare printed circuit board manufacturing	<1	62	82	152
Semiconductor and related device manufacturing	<1	390	730	2,398
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	37	53	180
Electronic connector manufacturing	<1	35	51	119
Other electronic component manufacturing	<1	36	49	149
Electromedical and electrotherapeutic apparatus manufacturing	<1	19	35	86
Search, detection, and navigation instruments manufacturing	<1	<1	<1	2
Automatic environmental control manufacturing	<1	80	117	303
Industrial process variable instruments manufacturing	<1	11	18	53
Totalizing fluid meter and counting device manufacturing	<1	13	32	71
Electricity and signal testing instruments manufacturing	<1	9	11	26
Analytical laboratory instrument manufacturing	<1	8	13	38
Irradiation apparatus manufacturing	<1	1	2	5



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	65	105	372
Blank magnetic and optical recording media manufacturing	<1	172	669	1,461
Software and other prerecorded and record reproducing	<1	236	360	603
Electric lamp bulb and part manufacturing	<1	11	19	49
Lighting fixture manufacturing	<1	138	183	579
Small electrical appliance manufacturing	<1	11	25	80
Household cooking appliance manufacturing	<1	174	434	1,214
Household refrigerator and home freezer manufacturing	<1	213	493	1,294
Household laundry equipment manufacturing	<1	658	1,124	3,657
Other major household appliance manufacturing	<1	143	394	931
Power, distribution, and specialty transformer manufacturing	<1	17	23	59
Motor and generator manufacturing	<1	74	136	511
Switchgear and switchboard apparatus manufacturing	<1	46	83	216
Relay and industrial control manufacturing	<1	279	374	1,045
Storage battery manufacturing	<1	421	661	2,056
Primary battery manufacturing	<1	110	363	608
Fiber optic cable manufacturing	<1	587	867	3,549
Other communication and energy wire manufacturing	<1	64	117	467
Wiring device manufacturing	<1	550	1,129	2,933
Carbon and graphite product manufacturing	<1	70	106	373
All other miscellaneous electrical equipment and component manufacturing	<1	6	7	21
Automobile manufacturing	<1	8	26	150
Light truck and utility vehicle manufacturing	<1	2	7	60
Heavy duty truck manufacturing	<1	11	22	101
Motor vehicle body manufacturing	<1	83	109	432
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	364	432	1,642

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	213	337	1,881
Motor vehicle electrical and electronic equipment manufacturing	<1	177	243	1,076
Motor vehicle transmission and power train parts manufacturing	<1	2,316	3,325	16,097
Motor vehicle seating and interior trim manufacturing	<1	5	6	34
Motor vehicle metal stamping	<1	24	30	129
Other motor vehicle parts manufacturing	<1	2,026	2,720	13,316
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	566	857	3,743
Aircraft manufacturing	<1	2	8	13
Aircraft engine and engine parts manufacturing	<1	18	138	174
Other aircraft parts and auxiliary equipment manufacturing	<1	83	236	353
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	2	7
Ship building and repairing	<1	2	7	13
Boat building	<1	307	1,063	2,102
Motorcycle, bicycle, and parts manufacturing	<1	26	374	511
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	171	1,126	1,960
Wood kitchen cabinet and countertop manufacturing	<1	477	595	1,650
Upholstered household furniture manufacturing	<1	3,302	3,641	13,079
Nonupholstered wood household furniture manufacturing	<1	350	401	1,174
Other household nonupholstered furniture manufacturing	<1	73	115	488
Institutional furniture manufacturing	<1	8	9	32
Wood office furniture manufacturing	<1	7	10	27

## Appendix

Custom architectural woodwork and millwork	<1	13	13	37
Office furniture, except wood, manufacturing	<1	11	17	63
Showcase, partition, shelving, and locker manufacturing	<1	92	120	418
Mattress manufacturing	<1	337	570	2,356
Blind and shade manufacturing	<1	48	49	176
Surgical and medical instrument manufacturing	<1	149	242	548
Surgical appliance and supplies manufacturing	<1	426	865	2,069
Dental equipment and supplies manufacturing	<1	6	11	26
Ophthalmic goods manufacturing	<1	13	25	53
Dental laboratories	<1	218	251	477
Jewelry and silverware manufacturing	<1	214	372	1,121
Sporting and athletic goods manufacturing	<1	105	159	545
Doll, toy, and game manufacturing	<1	29	58	164
Office supplies (except paper) manufacturing	<1	146	230	769
Sign manufacturing	<1	203	194	530
Gasket, packing, and sealing device manufacturing	<1	70	80	204
Musical instrument manufacturing	<1	77	87	218
Fasteners, buttons, needles, and pins manufacturing	<1	165	195	493
Broom, brush, and mop manufacturing	<1	226	355	878
Burial casket manufacturing	<1	39	60	128
All other miscellaneous manufacturing	<1	462	668	1,879
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,272	6,575	16,323
Wholesale - Professional and commercial equipment and supplies	<1	16,060	24,027	41,948
Wholesale - Household appliances and electrical and electronic goods	<1	4,221	9,197	20,826
Wholesale - Machinery, equipment, and supplies	<1	5,107	9,033	16,755
Wholesale - Other durable goods merchant wholesalers	<1	12,273	20,955	46,255

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	8,804	20,098	45,123
Wholesale - Grocery and related product wholesalers	<1	13,113	18,789	40,226
Wholesale - Petroleum and petroleum products	<1	1,113	20,839	25,129
Wholesale - Other nondurable goods merchant wholesalers	<1	19,358	41,565	81,173
Wholesale - Wholesale electronic markets and agents and brokers	<1	12,673	14,077	16,444
Retail - Motor vehicle and parts dealers	<1	14,676	19,289	27,419
Retail - Furniture and home furnishings stores	<1	6,792	8,830	15,275
Retail - Electronics and appliance stores	<1	7,967	6,650	11,094
Retail - Building material and garden equipment and supplies stores	<1	8,187	15,013	21,497
Retail - Food and beverage stores	<1	19,173	27,059	47,563
Retail - Health and personal care stores	<1	11,719	14,861	23,087
Retail - Gasoline stores	<1	8,492	14,796	27,487
Retail - Clothing and clothing accessories stores	<1	8,428	13,548	29,578
Retail - Sporting goods, hobby, musical instrument and book stores	<1	6,569	8,199	13,667
Retail - General merchandise stores	<1	16,766	25,610	44,273
Retail - Miscellaneous store retailers	<1	11,132	10,956	19,483
Retail - Nonstore retailers	<1	10,077	57,559	96,013
Air transportation	<1	12,805	23,271	51,140
Rail transportation	<1	1,176	2,073	4,806
Water transportation	<1	417	903	3,184
Truck transportation	<1	21,308	31,605	68,216
Transit and ground passenger transportation	<1	3,256	5,046	9,244
Pipeline transportation	<1	971	2,919	5,241
Scenic and sightseeing transportation and support activities for transportation	<1	9,778	8,080	13,209
Couriers and messengers	<1	8,583	17,205	21,334
Warehousing and storage	<1	17,187	18,675	35,242
Newspaper publishers	<1	934	1,560	2,391
Periodical publishers	<1	721	1,085	1,854
Book publishers	<1	1,520	4,022	8,276

## Appendix

Directory, mailing list, and other publishers	<1	126	288	489
Greeting card publishing	<1	66	214	509
Software publishers	<1	81,400	156,572	199,044
Motion picture and video industries	<1	2,523	4,163	11,337
Sound recording industries	<1	614	4,352	8,280
Radio and television broadcasting	<1	5,422	8,506	23,987
Cable and other subscription programming	<1	2,366	16,838	41,621
Wired telecommunications carriers	<1	9,816	20,528	41,199
Wireless telecommunications carriers (except satellite)	<1	1,825	14,987	35,658
Satellite, telecommunications resellers, and all other telecommunications	<1	3,263	3,447	8,613
Data processing, hosting, and related services	<1	11,252	21,681	59,396
News syndicates, libraries, archives and all other information services	<1	1,484	2,187	4,550
Internet publishing and broadcasting and web search portals	<1	6,897	16,228	51,155
Nondepository credit intermediation and related activities	<1	16,438	17,925	26,763
Securities and commodity contracts intermediation and brokerage	<1	28,709	18,338	34,344
Monetary authorities and depository credit intermediation	<1	51,594	188,084	229,271
Other financial investment activities	<1	31,090	33,532	67,133
Direct life insurance carriers	<1	8,754	16,786	24,417
Insurance carriers, except direct life	<1	18,801	53,956	118,393
Insurance agencies, brokerages, and related activities	<1	26,914	40,440	96,503
Funds, trusts, and other financial vehicles	<1	4,195	6,455	26,526
Other real estate	2	81,695	201,569	500,824
Tenant-occupied housing	<1	5,173	68,474	72,227
Owner-occupied dwellings	0	0	283,197	341,772
Automotive equipment rental and leasing	<1	4,288	10,149	13,019

## Appendix

General and consumer goods rental except video tapes and discs	<1	7,517	10,961	15,332
Video tape and disc rental	<1	1,189	1,865	3,074
Commercial and industrial machinery and equipment rental and leasing	<1	4,290	9,000	11,563
Lessors of nonfinancial intangible assets	<1	486	8,047	8,924
Legal services	<1	22,943	37,186	52,659
Accounting, tax preparation, bookkeeping, and payroll services	<1	20,190	26,844	40,208
Architectural, engineering, and related services	<1	9,977	11,226	20,203
Specialized design services	<1	3,052	5,596	8,626
Custom computer programming services	<1	9,664	10,506	14,059
Computer systems design services	<1	11,429	11,543	14,471
Other computer related services, including facilities management	<1	25,474	36,124	62,691
Management consulting services	<1	37,223	38,973	61,256
Environmental and other technical consulting services	<1	4,931	5,631	8,899
Scientific research and development services	1	121,716	162,130	287,811
Advertising, public relations, and related services	<1	15,949	25,963	54,640
Photographic services	<1	616	1,819	3,586
Veterinary services	<1	4,300	5,018	7,742
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	8,612	15,362	30,420
Management of companies and enterprises	<1	77,762	87,457	129,396
Office administrative services	<1	17,600	5,797	17,549
Facilities support services	<1	1,186	1,646	4,276
Employment services	<1	49,391	69,279	113,336
Business support services	<1	9,209	7,999	14,572
Travel arrangement and reservation services	<1	1,741	2,828	9,371
Investigation and security services	<1	6,333	6,580	9,776
Services to buildings	<1	13,330	19,625	41,579
Landscape and horticultural services	<1	9,651	12,290	23,876
Other support services	<1	6,489	8,565	18,805
Waste management and remediation services	<1	5,093	8,366	19,008

## Appendix

Elementary and secondary schools	<1	10,920	8,860	10,852
Junior colleges, colleges, universities, and professional schools	22	1,335,849	1,668,092	2,188,035
Other educational services	2	95,853	106,540	206,035
Offices of physicians	<1	70,920	72,336	105,563
Offices of dentists	<1	17,862	21,823	29,010
Offices of other health practitioners	<1	12,001	18,898	23,972
Outpatient care centers	<1	10,931	10,953	18,491
Medical and diagnostic laboratories	<1	6,284	10,589	14,003
Home health care services	<1	7,379	7,456	9,875
Other ambulatory health care services	<1	3,478	4,205	6,575
Hospitals	<1	82,864	101,113	184,676
Nursing and community care facilities	<1	15,763	17,685	28,433
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,364	6,561	9,973
Individual and family services	<1	18,572	16,929	23,073
Child day care services	<1	8,224	12,916	16,656
Community food, housing, and other relief services, including rehabilitation services	<1	3,955	3,946	8,036
Performing arts companies	<1	976	1,790	2,958
Commercial Sports Except Racing	<1	8,275	7,755	11,602
Racing and Track Operation	<1	689	1,378	1,922
Independent artists, writers, and performers	<1	1,100	3,203	4,425
Promoters of performing arts and sports and agents for public figures	<1	2,254	5,747	11,243
Museums, historical sites, zoos, and parks	<1	653	786	1,333
Amusement parks and arcades	<1	547	845	1,066
Gambling industries (except casino hotels)	<1	3,230	9,592	13,232
Other amusement and recreation industries	<1	3,837	4,134	5,909
Fitness and recreational sports centers	<1	2,343	2,742	4,953
Bowling centers	<1	342	482	806
Hotels and motels, including casino hotels	<1	5,670	10,768	16,600
Other accommodations	<1	2,378	2,945	3,718

## Appendix

Full-service restaurants	1	41,158	52,893	105,629
Limited-service restaurants	1	30,932	41,424	101,095
All other food and drinking places	<1	37,169	49,757	77,536
Automotive repair and maintenance, except car washes	<1	23,659	25,616	37,001
Car washes	<1	12,194	16,239	24,279
Electronic and precision equipment repair and maintenance	<1	5,946	7,145	11,397
Commercial and industrial machinery and equipment repair and maintenance	<1	8,241	9,331	13,990
Personal and household goods repair and maintenance	<1	2,997	5,526	7,903
Personal care services	<1	10,741	7,053	8,732
Death care services	<1	2,582	1,893	2,687
Dry-cleaning and laundry services	<1	5,252	3,591	4,714
Other personal services	<1	6,714	8,179	12,004
Religious organizations	<1	7,364	3,961	11,331
Grantmaking, giving, and social advocacy organizations	<1	2,903	8,538	12,175
Business and professional associations	<1	4,113	6,484	10,812
Labor and civic organizations	<1	2,709	7,618	12,640
Private households	<1	2,990	2,990	2,990
Postal service	<1	11,418	11,492	11,496
Federal electric utilities	<1	21	64	177
Other federal government enterprises	<1	717	1,990	4,122
State government passenger transit	<1	69	12	91
State government electric utilities	0	0	0	0
Other state government enterprises	<1	633	798	1,340
Local government passenger transit	<1	934	105	515
Local government electric utilities	<1	191	515	1,222
Other local government enterprises	<1	7,402	8,445	34,221
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	1,086,606	1,508,745	2,760,968

## Investments in Climate Change Research and Technology

**Table 726: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>322</i>	<i>21,500,061</i>	<i>32,272,672</i>	<i>58,699,443</i>
Oilseed farming	<1	16,029	39,322	75,549
Grain farming	<1	11,247	17,932	76,584
Vegetable and melon farming	<1	6,777	10,528	24,733
Fruit farming	<1	1,060	1,557	2,826
Tree nut farming	<1	18	27	52
Greenhouse, nursery, and floriculture production	<1	4,207	6,626	17,344
Tobacco farming	<1	2,232	2,686	6,744
Cotton farming	<1	959	1,399	3,501
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	4,816	7,094	18,189
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	2,486	4,250	14,476
Dairy cattle and milk production	<1	1,682	2,790	17,996
Poultry and egg production	<1	8,393	13,568	212,215
Animal production, except cattle and poultry and eggs	<1	37,899	87,372	125,430
Forestry, forest products, and timber tract production	<1	1,409	1,679	2,416

## Appendix

Commercial logging	<1	13,127	19,259	32,934
Commercial fishing	<1	181	2,345	2,368
Commercial hunting and trapping	<1	250	873	1,347
Support activities for agriculture and forestry	<1	29,266	30,419	33,548
Oil and gas extraction	<1	605	204	85,540
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	694	1,352	2,611
Silver ore mining	<1	152	237	446
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	343	581	1,125
Stone mining and quarrying	<1	11,500	36,800	59,021
Sand and gravel mining	<1	3,053	5,010	9,822
Other clay, ceramic, refractory minerals mining	<1	836	1,448	2,928
Potash, soda, and borate mineral mining	<1	261	362	689
Phosphate rock mining	<1	107	180	350
Other chemical and fertilizer mineral mining	<1	31	43	87
Other nonmetallic minerals	<1	456	742	1,430
Drilling oil and gas wells	<1	<1	1	6
Support activities for oil and gas operations	<1	4	5	22
Metal mining services	<1	6	3	1,166
Other nonmetallic minerals services	<1	4	5	158
Electric power generation - Hydroelectric	<1	705	1,543	2,590
Electric power generation - Fossil fuel	<1	15,596	56,989	115,263
Electric power generation - Nuclear	<1	32,783	61,956	105,763
Electric power generation - Solar	<1	5,892	13,893	23,646
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	515	1,440	3,392
Electric power generation - All other	<1	627	619	764
Electric power transmission and distribution	<1	101,238	354,679	706,787

## Appendix

Natural gas distribution	<1	30,161	107,451	207,699
Water, sewage and other systems	<1	14,204	29,294	45,649
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	35	2,255,064	2,306,613	5,045,224
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	55,888	83,555	223,631
Maintenance and repair construction of residential structures	<1	22,762	32,589	83,182
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	21	31	84
Dog and cat food manufacturing	<1	1,001	3,780	13,030
Other animal food manufacturing	<1	4,200	9,406	62,738
Flour milling	<1	2,409	7,066	48,347
Rice milling	0	0	0	0
Malt manufacturing	<1	433	1,046	7,377
Wet corn milling	<1	8,969	26,855	130,204
Soybean and other oilseed processing	<1	844	8,467	51,823
Fats and oils refining and blending	<1	80	314	2,946
Breakfast cereal manufacturing	<1	650	2,297	6,133
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	692	1,195	5,156

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	284	537	2,015
Confectionery manufacturing from purchased chocolate	<1	207	377	1,892
Frozen fruits, juices and vegetables manufacturing	<1	524	1,506	5,559
Frozen specialties manufacturing	<1	622	1,031	4,393
Canned fruits and vegetables manufacturing	<1	2,209	5,779	20,019
Canned specialties	<1	3,053	9,980	32,707
Dehydrated food products manufacturing	<1	565	1,383	4,249
Cheese manufacturing	<1	66	121	1,761
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,303	2,742	16,242
Creamery butter manufacturing	<1	268	1,407	5,668
Ice cream and frozen dessert manufacturing	<1	964	1,698	6,343
Frozen cakes and other pastries manufacturing	<1	5,354	7,962	16,314
Poultry processing	<1	35,288	49,030	229,783
Animal, except poultry, slaughtering	<1	24,491	33,557	274,385
Meat processed from carcasses	<1	5,857	5,995	48,201
Rendering and meat byproduct processing	<1	727	776	4,598
Seafood product preparation and packaging	<1	1,962	3,492	22,245
Bread and bakery product, except frozen, manufacturing	<1	16,362	27,380	68,144
Cookie and cracker manufacturing	<1	7,654	13,098	38,464
Dry pasta, mixes, and dough manufacturing	<1	966	3,228	10,394
Tortilla manufacturing	<1	541	853	3,047
Roasted nuts and peanut butter manufacturing	<1	1,262	4,465	13,265
Other snack food manufacturing	<1	3,798	13,775	39,145
Coffee and tea manufacturing	<1	1,111	2,731	11,407
Flavoring syrup and concentrate manufacturing	<1	601	7,408	13,839
Mayonnaise, dressing, and sauce manufacturing	<1	81	212	819
Spice and extract manufacturing	<1	504	1,057	3,662
All other food manufacturing	<1	3,634	6,309	26,388
Bottled and canned soft drinks & water	<1	5,946	13,687	54,000
Manufactured ice	<1	485	426	1,551

## Appendix

Breweries	<1	11,651	31,849	82,619
Wineries	<1	2,408	5,685	20,114
Distilleries	<1	778	5,438	11,860
Tobacco product manufacturing	<1	2,228	83,959	119,077
Fiber, yarn, and thread mills	<1	10,101	12,742	64,978
Broadwoven fabric mills	<1	4,447	6,167	26,340
Narrow fabric mills and schiffli machine embroidery	<1	1,212	1,335	4,245
Nonwoven fabric mills	<1	10,048	15,931	61,699
Knit fabric mills	<1	1,894	2,456	8,135
Textile and fabric finishing mills	<1	1,986	2,578	11,639
Fabric coating mills	<1	1,080	1,354	5,252
Carpet and rug mills	<1	4,192	5,989	24,025
Curtain and linen mills	<1	709	881	3,420
Textile bag and canvas mills	<1	703	919	3,029
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,576	2,239	6,712
Other textile product mills	<1	2,634	3,099	9,306
Hosiery and sock mills	<1	941	838	2,710
Other apparel knitting mills	<1	964	839	2,786
Cut and sew apparel contractors	<1	239	257	582
Men's and boys' cut and sew apparel manufacturing	<1	335	321	1,039
Women's and girls' cut and sew apparel manufacturing	<1	367	257	1,819
Other cut and sew apparel manufacturing	<1	327	309	1,264
Apparel accessories and other apparel manufacturing	<1	225	209	873
Leather and hide tanning and finishing	<1	54	47	377
Footwear manufacturing	<1	196	194	858
Other leather and allied product manufacturing	<1	232	221	752
Sawmills	<1	22,353	51,241	161,248
Wood preservation	<1	1,251	5,103	17,949
Veneer and plywood manufacturing	<1	10,858	21,035	63,428
Engineered wood member and truss manufacturing	<1	7,087	15,036	44,245
Reconstituted wood product manufacturing	<1	3,377	14,436	46,746
Wood windows and door manufacturing	<1	17,190	27,758	61,832
Cut stock, resawing lumber, and planing	<1	1,829	5,025	14,055

## Appendix

Other millwork, including flooring	<1	6,367	13,345	32,893
Wood container and pallet manufacturing	<1	3,678	6,176	16,705
Manufactured home (mobile home) manufacturing	<1	78	131	354
Prefabricated wood building manufacturing	<1	3,907	8,888	23,933
All other miscellaneous wood product manufacturing	<1	1,917	3,408	8,759
Pulp mills	<1	376	489	2,003
Paper mills	<1	11,019	21,215	89,148
Paperboard mills	<1	3,704	6,363	29,069
Paperboard container manufacturing	<1	14,576	20,065	100,772
Paper bag and coated and treated paper manufacturing	<1	8,639	12,032	49,608
Stationery product manufacturing	<1	1,219	1,459	7,248
Sanitary paper product manufacturing	<1	3,367	7,273	33,133
All other converted paper product manufacturing	<1	1,618	2,396	8,798
Printing	<1	33,996	55,113	119,931
Support activities for printing	<1	2,070	3,450	5,302
Petroleum refineries	<1	208	746	18,925
Asphalt paving mixture and block manufacturing	<1	833	924	6,741
Asphalt shingle and coating materials manufacturing	<1	2,933	4,302	23,242
Petroleum lubricating oil and grease manufacturing	<1	834	1,089	7,408
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	425	5,545	21,360
Industrial gas manufacturing	<1	226	711	2,201
Synthetic dye and pigment manufacturing	<1	704	1,392	4,024
Other basic inorganic chemical manufacturing	<1	1,427	3,280	10,381
Other basic organic chemical manufacturing	<1	5,484	13,688	82,852
Plastics material and resin manufacturing	<1	4,229	7,686	56,595
Synthetic rubber manufacturing	<1	476	709	3,778
Artificial and synthetic fibers and filaments manufacturing	<1	15,613	23,980	81,867
Nitrogenous fertilizer manufacturing	<1	1,892	7,815	24,304

## Appendix

Phosphatic fertilizer manufacturing	<1	2,509	7,657	22,276
Fertilizer mixing	<1	281	637	2,148
Pesticide and other agricultural chemical manufacturing	<1	5,136	19,152	51,970
Medicinal and botanical manufacturing	<1	475	818	2,175
Pharmaceutical preparation manufacturing	<1	41,480	116,729	298,588
In-vitro diagnostic substance manufacturing	<1	27	43	112
Biological product (except diagnostic) manufacturing	<1	5,624	18,854	38,444
Paint and coating manufacturing	<1	4,550	9,643	41,087
Adhesive manufacturing	<1	1,573	2,715	11,435
Soap and other detergent manufacturing	<1	5,152	15,577	52,052
Polish and other sanitation good manufacturing	<1	4,334	7,686	21,996
Surface active agent manufacturing	<1	955	4,412	12,446
Toilet preparation manufacturing	<1	3,898	12,435	32,817
Printing ink manufacturing	<1	1,055	1,180	5,295
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	962	1,685	7,324
Photographic film and chemical manufacturing	<1	485	1,159	3,890
Other miscellaneous chemical product manufacturing	<1	2,579	4,323	15,512
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	8,499	13,519	43,904
Unlaminated plastics profile shape manufacturing	<1	1,281	2,827	11,235
Plastics pipe and pipe fitting manufacturing	<1	6,754	18,065	62,154
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,115	1,825	5,824
Polystyrene foam product manufacturing	<1	7,812	13,549	56,598
Urethane and other foam product (except polystyrene) manufacturing	<1	6,253	10,551	49,939
Plastics bottle manufacturing	<1	990	1,527	6,864
Other plastics product manufacturing	<1	32,321	47,095	155,478
Tire manufacturing	<1	17,461	22,079	82,941

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	960	1,503	5,469
Other rubber product manufacturing	<1	2,638	3,326	11,986
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,396	2,213	5,216
Brick, tile, and other structural clay product manufacturing	<1	5,353	9,205	21,805
Flat glass manufacturing	<1	2,723	5,455	13,580
Other pressed and blown glass and glassware manufacturing	<1	6,396	10,539	22,859
Glass container manufacturing	<1	2,262	3,622	8,393
Glass product manufacturing made of purchased glass	<1	1,254	2,307	6,297
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	24,435	40,609	136,310
Concrete block and brick manufacturing	<1	11,541	20,805	49,015
Concrete pipe manufacturing	<1	16,001	27,103	76,459
Other concrete product manufacturing	<1	27,981	42,184	103,657
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,311	3,796	10,031
Abrasive product manufacturing	<1	1,216	2,675	5,391
Cut stone and stone product manufacturing	<1	2,837	3,735	8,295
Ground or treated mineral and earth manufacturing	<1	213	510	1,015
Mineral wool manufacturing	<1	1,071	2,867	6,227
Miscellaneous nonmetallic mineral products manufacturing	<1	8,309	19,924	44,121
Iron and steel mills and ferroalloy manufacturing	<1	6,438	23,159	102,285
Iron, steel pipe and tube manufacturing from purchased steel	<1	437	1,362	5,713
Rolled steel shape manufacturing	<1	511	2,754	9,322
Steel wire drawing	<1	2,414	6,746	24,684
Alumina refining and primary aluminum production	<1	87	185	1,072
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	556	1,662	6,718
Other aluminum rolling, drawing and extruding	<1	164	302	1,335
Nonferrous metal (exc aluminum) smelting and refining	<1	14	167	402



## Appendix

Copper rolling, drawing, extruding and alloying	<1	1,793	5,320	39,017
Nonferrous metal, except copper and aluminum, shaping	<1	939	1,301	4,405
Secondary processing of other nonferrous metals	<1	82	234	865
Ferrous metal foundries	<1	1,166	2,671	5,416
Nonferrous metal foundries	<1	1,551	2,526	6,222
Custom roll forming	<1	18	27	180
Crown and closure manufacturing and metal stamping	<1	1,093	1,483	5,024
Iron and steel forging	<1	830	1,188	4,701
Nonferrous forging	<1	113	149	429
Cutlery, utensil, pot, and pan manufacturing	<1	160	388	1,366
Handtool manufacturing	<1	3,320	5,634	12,626
Prefabricated metal buildings and components manufacturing	<1	29,306	46,900	161,558
Fabricated structural metal manufacturing	<1	16,359	25,591	95,225
Plate work manufacturing	<1	2,491	2,882	10,071
Metal window and door manufacturing	<1	11,277	16,302	49,969
Sheet metal work manufacturing	<1	3,557	5,099	16,205
Ornamental and architectural metal work manufacturing	<1	4,567	5,763	18,137
Power boiler and heat exchanger manufacturing	<1	186	266	886
Metal tank (heavy gauge) manufacturing	<1	1,481	1,863	6,484
Metal cans manufacturing	<1	905	1,817	8,398
Metal barrels, drums and pails manufacturing	<1	411	557	2,241
Hardware manufacturing	<1	2,811	4,354	15,763
Spring and wire product manufacturing	<1	1,262	1,733	6,597
Machine shops	<1	13,630	16,608	39,340
Turned product and screw, nut, and bolt manufacturing	<1	995	1,321	3,756
Metal heat treating	<1	1,247	1,699	4,748
Metal coating and nonprecious engraving	<1	2,983	5,540	16,040
Electroplating, anodizing, and coloring metal	<1	1,325	1,463	3,608
Valve and fittings, other than plumbing, manufacturing	<1	6,028	9,371	31,547
Plumbing fixture fitting and trim manufacturing	<1	3,644	9,371	37,655

## Appendix

Ball and roller bearing manufacturing	<1	529	916	2,684
Small arms ammunition manufacturing	<1	124	307	785
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	2,069	4,759	14,884
Fabricated pipe and pipe fitting manufacturing	<1	2,235	2,907	8,519
Other fabricated metal manufacturing	<1	4,840	6,682	20,843
Farm machinery and equipment manufacturing	<1	44	114	458
Lawn and garden equipment manufacturing	<1	295	669	2,075
Construction machinery manufacturing	<1	619	2,054	5,406
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	7	9	24
Food product machinery manufacturing	<1	30	38	112
Sawmill, woodworking, and paper machinery	<1	20	25	93
Printing machinery and equipment manufacturing	<1	38	46	149
All other industrial machinery manufacturing	<1	139	214	560
Optical instrument and lens manufacturing	<1	60	111	274
Photographic and photocopying equipment manufacturing	<1	25	36	115
Other commercial service industry machinery manufacturing	<1	3,139	7,013	18,982
Air purification and ventilation equipment manufacturing	<1	1,764	2,770	7,822
Heating equipment (except warm air furnaces) manufacturing	<1	2,019	4,175	12,026
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,264	17,337	38,560
Industrial mold manufacturing	<1	134	188	412
Special tool, die, jig, and fixture manufacturing	<1	106	175	348

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	246	324	808
Machine tool manufacturing	<1	124	189	482
Rolling mill and other metalworking machinery manufacturing	<1	24	41	100
Turbine and turbine generator set units manufacturing	<1	107	125	386
Speed changer, industrial high-speed drive, and gear manufacturing	<1	358	661	1,626
Mechanical power transmission equipment manufacturing	<1	565	1,059	2,291
Other engine equipment manufacturing	<1	2,133	7,121	20,999
Pump and pumping equipment manufacturing	<1	1,285	3,019	7,296
Air and gas compressor manufacturing	<1	312	522	1,231
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	47	58	171
Overhead cranes, hoists, and monorail systems manufacturing	<1	407	1,024	3,276
Industrial truck, trailer, and stacker manufacturing	<1	102	237	694
Power-driven handtool manufacturing	<1	324	1,410	3,081
Welding and soldering equipment manufacturing	<1	12	25	67
Packaging machinery manufacturing	<1	56	108	246
Industrial process furnace and oven manufacturing	<1	13	18	47
Fluid power cylinder and actuator manufacturing	<1	481	867	2,043
Fluid power pump and motor manufacturing	<1	177	392	1,004
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	193	282	811
Electronic computer manufacturing	<1	335	500	1,398
Computer storage device manufacturing	<1	3	5	19
Computer terminals and other computer peripheral equipment manufacturing	<1	7,752	11,839	27,806
Telephone apparatus manufacturing	<1	622	1,107	2,585

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	53	77	195
Other communications equipment manufacturing	<1	118	214	689
Audio and video equipment manufacturing	<1	206	405	2,194
Printed circuit assembly (electronic assembly) manufacturing	<1	346	603	2,413
Bare printed circuit board manufacturing	<1	303	380	646
Semiconductor and related device manufacturing	<1	2,403	4,243	15,990
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	107	146	540
Electronic connector manufacturing	<1	242	348	846
Other electronic component manufacturing	<1	158	207	649
Electromedical and electrotherapeutic apparatus manufacturing	<1	71	126	328
Search, detection, and navigation instruments manufacturing	<1	4	8	23
Automatic environmental control manufacturing	<1	972	1,406	3,831
Industrial process variable instruments manufacturing	<1	184	294	881
Totalizing fluid meter and counting device manufacturing	<1	161	368	896
Electricity and signal testing instruments manufacturing	<1	97	124	311
Analytical laboratory instrument manufacturing	<1	2,922	5,231	13,604
Irradiation apparatus manufacturing	<1	3	7	19
Watch, clock, and other measuring and controlling device manufacturing	<1	219	343	1,408
Blank magnetic and optical recording media manufacturing	<1	545	2,222	5,241
Software and other prerecorded and record reproducing	<1	943	1,424	2,573
Electric lamp bulb and part manufacturing	<1	60	96	260
Lighting fixture manufacturing	<1	3,528	4,535	15,431
Small electrical appliance manufacturing	<1	72	146	499

## Appendix

Household cooking appliance manufacturing	<1	916	2,110	6,510
Household refrigerator and home freezer manufacturing	<1	1,135	2,429	6,997
Household laundry equipment manufacturing	<1	3,399	5,523	19,493
Other major household appliance manufacturing	<1	611	1,435	3,784
Power, distribution, and specialty transformer manufacturing	<1	66	94	247
Motor and generator manufacturing	<1	811	1,508	5,666
Switchgear and switchboard apparatus manufacturing	<1	1,357	2,451	6,399
Relay and industrial control manufacturing	<1	2,413	3,220	9,654
Storage battery manufacturing	<1	1,982	3,215	10,497
Primary battery manufacturing	<1	450	1,094	2,428
Fiber optic cable manufacturing	<1	8,210	12,276	51,712
Other communication and energy wire manufacturing	<1	1,920	3,344	13,822
Wiring device manufacturing	<1	8,503	16,481	45,057
Carbon and graphite product manufacturing	<1	984	1,531	5,352
All other miscellaneous electrical equipment and component manufacturing	<1	39	45	151
Automobile manufacturing	<1	55	224	1,159
Light truck and utility vehicle manufacturing	<1	16	63	480
Heavy duty truck manufacturing	<1	78	155	826
Motor vehicle body manufacturing	<1	550	731	2,795
Truck trailer manufacturing	<1	2	3	13
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,143	3,813	14,074
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,463	2,346	13,153
Motor vehicle electrical and electronic equipment manufacturing	<1	1,394	1,927	9,302
Motor vehicle transmission and power train parts manufacturing	<1	11,294	16,881	89,382
Motor vehicle seating and interior trim manufacturing	<1	49	59	356
Motor vehicle metal stamping	<1	370	473	2,109
Other motor vehicle parts manufacturing	<1	16,202	22,805	109,640

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,563	5,139	23,722
Aircraft manufacturing	<1	26	121	182
Aircraft engine and engine parts manufacturing	<1	407	3,109	4,112
Other aircraft parts and auxiliary equipment manufacturing	<1	530	1,605	2,290
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	13	19	63
Ship building and repairing	<1	19	56	101
Boat building	<1	2,531	8,924	17,774
Motorcycle, bicycle, and parts manufacturing	<1	180	3,333	4,048
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,509	10,680	18,599
Wood kitchen cabinet and countertop manufacturing	<1	7,147	9,113	25,510
Upholstered household furniture manufacturing	<1	15,660	17,260	61,576
Nonupholstered wood household furniture manufacturing	<1	1,863	2,130	6,433
Other household nonupholstered furniture manufacturing	<1	380	607	2,828
Institutional furniture manufacturing	<1	219	235	888
Wood office furniture manufacturing	<1	852	1,057	3,032
Custom architectural woodwork and millwork	<1	264	255	767
Office furniture, except wood, manufacturing	<1	342	564	1,972
Showcase, partition, shelving, and locker manufacturing	<1	1,078	1,458	5,147
Mattress manufacturing	<1	1,938	3,246	13,904
Blind and shade manufacturing	<1	272	273	1,024
Surgical and medical instrument manufacturing	<1	673	1,032	2,531
Surgical appliance and supplies manufacturing	<1	2,140	4,056	10,458

## Appendix

Dental equipment and supplies manufacturing	<1	29	47	112
Ophthalmic goods manufacturing	<1	84	158	345
Dental laboratories	<1	1,013	1,149	2,202
Jewelry and silverware manufacturing	<1	1,249	2,072	6,372
Sporting and athletic goods manufacturing	<1	547	792	2,896
Doll, toy, and game manufacturing	<1	115	214	682
Office supplies (except paper) manufacturing	<1	521	787	3,068
Sign manufacturing	<1	1,369	1,284	3,598
Gasket, packing, and sealing device manufacturing	<1	503	565	1,483
Musical instrument manufacturing	<1	225	248	643
Fasteners, buttons, needles, and pins manufacturing	<1	629	731	1,853
Broom, brush, and mop manufacturing	<1	792	1,125	3,122
Burial casket manufacturing	<1	329	478	1,125
All other miscellaneous manufacturing	<1	2,640	3,661	10,963
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	17,902	36,684	89,743
Wholesale - Professional and commercial equipment and supplies	<1	86,176	129,972	228,955
Wholesale - Household appliances and electrical and electronic goods	<1	38,966	87,532	197,487
Wholesale - Machinery, equipment, and supplies	<1	70,590	127,021	235,074
Wholesale - Other durable goods merchant wholesalers	2	158,915	275,450	605,263
Wholesale - Drugs and druggists'sundries	<1	45,489	107,968	245,340
Wholesale - Grocery and related product wholesalers	<1	65,650	95,974	206,084
Wholesale - Petroleum and petroleum products	<1	11,630	169,299	210,939
Wholesale - Other nondurable goods merchant wholesalers	1	109,975	229,998	460,196
Wholesale - Wholesale electronic markets and agents and brokers	<1	90,499	101,576	119,939
Retail - Motor vehicle and parts dealers	1	79,015	104,395	149,558
Retail - Furniture and home furnishings stores	<1	35,077	45,849	80,593

## Appendix

Retail - Electronics and appliance stores	<1	41,375	34,451	59,399
Retail - Building material and garden equipment and supplies stores	2	116,364	217,911	311,790
Retail - Food and beverage stores	3	92,193	131,768	234,970
Retail - Health and personal care stores	1	58,478	74,698	118,795
Retail - Gasoline stores	<1	45,850	84,023	160,171
Retail - Clothing and clothing accessories stores	1	42,349	69,875	157,343
Retail - Sporting goods, hobby, musical instrument and book stores	<1	32,599	41,303	70,665
Retail - General merchandise stores	3	89,830	138,530	242,651
Retail - Miscellaneous store retailers	2	55,779	55,526	102,041
Retail - Nonstore retailers	2	51,823	298,145	499,842
Air transportation	<1	68,509	119,365	272,231
Rail transportation	<1	10,253	19,567	43,425
Water transportation	<1	2,676	5,256	20,830
Truck transportation	3	179,046	269,995	600,377
Transit and ground passenger transportation	1	11,742	18,736	38,592
Pipeline transportation	<1	8,273	20,368	38,102
Scenic and sightseeing transportation and support activities for transportation	1	77,750	67,102	108,505
Couriers and messengers	2	48,550	105,151	130,016
Warehousing and storage	2	110,572	119,276	230,471
Newspaper publishers	<1	4,676	6,949	11,384
Periodical publishers	<1	2,620	3,364	6,503
Book publishers	<1	5,058	11,415	25,960
Directory, mailing list, and other publishers	<1	717	1,465	2,614
Greeting card publishing	<1	311	897	2,164
Software publishers	1	178,391	296,321	413,511
Motion picture and video industries	<1	10,816	17,256	53,472
Sound recording industries	<1	2,235	14,976	31,015
Radio and television broadcasting	<1	26,420	42,494	138,640
Cable and other subscription programming	<1	9,548	69,846	188,975
Wired telecommunications carriers	<1	56,974	116,262	238,918



## Appendix

Wireless telecommunications carriers (except satellite)	<1	11,215	81,284	206,411
Satellite, telecommunications resellers, and all other telecommunications	<1	18,489	21,545	51,496
Data processing, hosting, and related services	<1	70,068	132,917	381,702
News syndicates, libraries, archives and all other information services	<1	6,537	9,383	21,148
Internet publishing and broadcasting and web search portals	<1	27,947	64,399	221,725
Nondepository credit intermediation and related activities	<1	87,382	94,726	146,608
Securities and commodity contracts intermediation and brokerage	2	149,483	99,472	212,920
Monetary authorities and depository credit intermediation	2	351,516	1,080,705	1,426,611
Other financial investment activities	2	121,575	130,535	306,814
Direct life insurance carriers	<1	47,239	89,303	137,552
Insurance carriers, except direct life	1	101,351	285,294	662,788
Insurance agencies, brokerages, and related activities	2	155,002	232,606	575,294
Funds, trusts, and other financial vehicles	<1	18,692	28,138	129,688
Other real estate	14	417,084	1,074,984	2,806,838
Tenant-occupied housing	<1	22,356	312,257	333,989
Owner-occupied dwellings	0	0	1,366,451	1,659,073
Automotive equipment rental and leasing	<1	24,358	55,058	73,416
General and consumer goods rental except video tapes and discs	<1	39,334	58,021	82,482
Video tape and disc rental	<1	6,059	9,656	15,930
Commercial and industrial machinery and equipment rental and leasing	<1	55,929	112,606	148,075
Lessors of nonfinancial intangible assets	<1	4,133	58,519	65,257
Legal services	2	202,709	314,660	456,573
Accounting, tax preparation, bookkeeping, and payroll services	2	133,251	172,078	267,807
Architectural, engineering, and related services	2	148,686	165,635	303,899
Specialized design services	<1	18,950	33,472	54,991

## Appendix

Custom computer programming services	<1	55,265	60,240	83,320
Computer systems design services	<1	70,552	71,160	91,111
Other computer related services, including facilities management	<1	82,705	121,766	219,534
Management consulting services	5	519,061	541,344	882,386
Environmental and other technical consulting services	<1	33,168	37,335	60,942
Scientific research and development services	25	2,803,377	3,838,757	6,834,991
Advertising, public relations, and related services	1	87,388	138,196	306,461
Photographic services	<1	3,845	10,407	22,450
Veterinary services	<1	20,696	23,710	37,720
Marketing research and all other miscellaneous professional, scientific, and technical services	1	95,873	169,609	346,651
Management of companies and enterprises	3	549,017	614,493	943,026
Office administrative services	1	101,268	31,865	105,168
Facilities support services	<1	8,856	12,082	33,138
Employment services	8	364,462	503,011	882,417
Business support services	1	68,526	58,766	114,818
Travel arrangement and reservation services	<1	9,799	15,957	56,010
Investigation and security services	1	37,855	39,274	60,780
Services to buildings	2	78,329	112,862	252,070
Landscape and horticultural services	1	52,956	66,685	135,970
Other support services	<1	34,123	44,694	104,058
Waste management and remediation services	<1	32,157	53,611	122,847
Elementary and secondary schools	<1	45,446	37,366	46,721
Junior colleges, colleges, universities, and professional schools	85	5,149,365	6,522,682	8,447,412
Other educational services	1	50,262	56,690	109,332
Offices of physicians	3	358,388	364,169	540,030
Offices of dentists	1	85,390	102,148	138,178
Offices of other health practitioners	1	61,770	93,113	120,345
Outpatient care centers	<1	49,990	49,827	84,364
Medical and diagnostic laboratories	<1	30,962	49,809	68,062
Home health care services	<1	34,888	35,086	47,457

## Appendix

Other ambulatory health care services	<1	16,879	20,020	32,123
Hospitals	4	347,989	419,555	775,298
Nursing and community care facilities	1	67,390	75,283	126,007
Residential mental retardation, mental health, substance abuse and other facilities	<1	24,350	25,059	39,465
Individual and family services	2	72,416	64,670	91,737
Child day care services	1	36,965	54,396	73,175
Community food, housing, and other relief services, including rehabilitation services	<1	14,581	14,449	31,067
Performing arts companies	<1	4,246	7,797	14,016
Commercial Sports Except Racing	<1	43,156	36,486	57,931
Racing and Track Operation	<1	2,771	6,035	8,973
Independent artists, writers, and performers	<1	5,242	15,634	22,463
Promoters of performing arts and sports and agents for public figures	<1	9,779	25,974	55,124
Museums, historical sites, zoos, and parks	<1	2,648	3,164	5,639
Amusement parks and arcades	<1	2,480	3,803	4,909
Gambling industries (except casino hotels)	<1	13,573	39,379	55,935
Other amusement and recreation industries	<1	18,031	19,280	28,417
Fitness and recreational sports centers	<1	10,478	11,735	22,430
Bowling centers	<1	1,640	2,231	3,901
Hotels and motels, including casino hotels	<1	28,059	56,066	87,310
Other accommodations	<1	9,632	12,098	15,600
Full-service restaurants	6	208,077	270,230	555,894
Limited-service restaurants	6	153,901	208,123	531,309
All other food and drinking places	7	269,393	372,420	587,021
Automotive repair and maintenance, except car washes	2	127,596	146,159	212,678
Car washes	<1	65,978	88,790	134,180
Electronic and precision equipment repair and maintenance	<1	38,726	46,740	77,386
Commercial and industrial machinery and equipment repair and maintenance	<1	61,760	71,692	111,200
Personal and household goods repair and maintenance	<1	16,344	33,578	47,644

## Appendix

Personal care services	2	49,824	38,982	47,393
Death care services	<1	11,614	9,822	13,796
Dry-cleaning and laundry services	<1	27,220	21,823	28,228
Other personal services	1	34,177	43,555	64,663
Religious organizations	<1	28,121	18,697	47,624
Grantmaking, giving, and social advocacy organizations	<1	9,733	35,103	48,944
Business and professional associations	<1	20,015	36,461	60,700
Labor and civic organizations	<1	9,964	34,457	55,095
Private households	<1	14,626	14,626	14,689
Postal service	<1	63,689	64,045	64,522
Federal electric utilities	<1	343	919	2,660
Other federal government enterprises	<1	3,543	9,097	19,360
State government passenger transit	<1	89	195	176
State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,569	5,597	9,606
Local government passenger transit	<1	4,465	1,085	3,670
Local government electric utilities	<1	1,142	3,650	8,513
Other local government enterprises	<1	39,933	62,806	216,761
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	356,806	515,144	942,700

## North Dakota

## NASA

Table 727: Detailed NASA Impacts by Types of Impact, North Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	15	1,068,994	1,605,359	3,239,398
Oilseed farming	<1	9,386	29,453	40,275
Grain farming	<1	2,399	3,923	15,398
Vegetable and melon farming	<1	343	609	1,160
Fruit farming	<1	2	4	6
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	15	27	61
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	175	305	654
All other crop farming	<1	61	102	227
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	493	1,079	2,782
Dairy cattle and milk production	<1	53	103	510
Poultry and egg production	<1	14	28	359
Animal production, except cattle and poultry and eggs	<1	1,830	5,740	6,534
Forestry, forest products, and timber tract production	<1	14	75	82
Commercial logging	<1	3	31	34
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	49	46	73
Support activities for agriculture and forestry	<1	518	534	589
Oil and gas extraction	<1	1,356	25,082	31,989
Coal mining	<1	1,607	3,734	5,990
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	<1	1	3
Sand and gravel mining	<1	185	398	656

## Appendix

Other clay, ceramic, refractory minerals mining	<1	5	10	16
Potash, soda, and borate mineral mining	<1	<1	<1	<1
Phosphate rock mining	<1	0	<1	<1
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	1	5	10
Drilling oil and gas wells	<1	<1	4	6
Support activities for oil and gas operations	<1	38	76	131
Metal mining services	<1	17	340	517
Other nonmetallic minerals services	<1	3	55	81
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	2,350	6,733	19,724
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	20	38	90
Electric power generation - Wind	<1	240	1,558	3,817
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	4,058	11,576	33,473
Natural gas distribution	<1	1,698	4,816	10,957
Water, sewage and other systems	<1	121	220	402
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,643	4,056	9,693
Maintenance and repair construction of residential structures	<1	958	1,378	3,221
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	<1	<1	<1	5
Other animal food manufacturing	<1	89	147	1,352
Flour milling	<1	68	131	867
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	696	1,283	6,556
Soybean and other oilseed processing	<1	25	127	1,108
Fats and oils refining and blending	<1	9	22	212
Breakfast cereal manufacturing	<1	61	130	374
Beet sugar manufacturing	<1	63	112	418
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	5
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	6	8	31
Frozen fruits, juices and vegetables manufacturing	<1	212	393	1,314
Frozen specialties manufacturing	<1	8	10	67
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	6	10	30
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	134	192	846
Creamery butter manufacturing	<1	5	16	167
Ice cream and frozen dessert manufacturing	<1	<1	1	9



## Appendix

Frozen cakes and other pastries manufacturing	<1	20	28	61
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	133	156	1,425
Meat processed from carcasses	<1	50	49	295
Rendering and meat byproduct processing	<1	1	1	7
Seafood product preparation and packaging	<1	<1	1	9
Bread and bakery product, except frozen, manufacturing	<1	198	264	644
Cookie and cracker manufacturing	<1	81	107	306
Dry pasta, mixes, and dough manufacturing	<1	115	226	763
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	51	121	367
Other snack food manufacturing	<1	32	70	264
Coffee and tea manufacturing	<1	<1	<1	7
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	4
Spice and extract manufacturing	<1	<1	1	5
All other food manufacturing	<1	4	6	25
Bottled and canned soft drinks & water	<1	130	220	1,107
Manufactured ice	<1	10	7	32
Breweries	<1	24	46	197
Wineries	<1	<1	2	25
Distilleries	<1	2	7	25
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	9	9	58
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	20	20	66
Rope, cordage, twine, tire cord and tire fabric mills	<1	1	1	10

## Appendix

Other textile product mills	<1	6	6	18
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	2
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	3
Other cut and sew apparel manufacturing	<1	<1	<1	1
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	0	0	0	0
Sawmills	0	0	0	0
Wood preservation	<1	2	4	26
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	18	27	98
Reconstituted wood product manufacturing	<1	5	13	76
Wood windows and door manufacturing	<1	534	686	1,918
Cut stock, resawing lumber, and planing	<1	38	69	220
Other millwork, including flooring	<1	95	143	439
Wood container and pallet manufacturing	<1	37	48	146
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	2	3	9
All other miscellaneous wood product manufacturing	<1	2	2	9
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	53	68	352
Paper bag and coated and treated paper manufacturing	<1	16	20	85
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	813	1,058	2,393
Support activities for printing	0	0	0	0
Petroleum refineries	<1	633	1,368	26,405
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	<1	16	23	122
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	6	4	21
Other basic organic chemical manufacturing	<1	103	76	891
Plastics material and resin manufacturing	<1	17	15	115
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	24	15	146
Medicinal and botanical manufacturing	<1	7	4	16
Pharmaceutical preparation manufacturing	<1	3	1	7
In-vitro diagnostic substance manufacturing	<1	15	10	26
Biological product (except diagnostic) manufacturing	<1	42	17	95
Paint and coating manufacturing	<1	4	3	17
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	3	2	12
Polish and other sanitation good manufacturing	0	0	0	0

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	<1	2
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	7	5	36
Other miscellaneous chemical product manufacturing	<1	<1	<1	3
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	29	31	188
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	63	74	428
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	12	13	58
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	13	14	95
Other plastics product manufacturing	<1	183	196	774
Tire manufacturing	<1	96	106	506
Rubber and plastics hoses and belting manufacturing	<1	8	9	47
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	<1	60	99	206
Flat glass manufacturing	<1	21	41	81
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	195	344	750
Cement manufacturing	<1	17	39	113
Ready-mix concrete manufacturing	<1	271	435	1,297
Concrete block and brick manufacturing	<1	13	22	59
Concrete pipe manufacturing	<1	8	13	35

## Appendix

Other concrete product manufacturing	<1	88	128	281
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	12	24	35
Cut stone and stone product manufacturing	<1	64	82	178
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	30	77	135
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	24	126	459
Iron, steel pipe and tube manufacturing from purchased steel	<1	9	43	133
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	1	5	15
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	3	7	16
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	8	12	46
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	2
Prefabricated metal buildings and components manufacturing	<1	5	8	28

## Appendix

Fabricated structural metal manufacturing	<1	57	95	328
Plate work manufacturing	<1	70	82	240
Metal window and door manufacturing	<1	76	117	312
Sheet metal work manufacturing	<1	8	12	36
Ornamental and architectural metal work manufacturing	<1	15	19	64
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	4	5	19
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	2	3	12
Hardware manufacturing	<1	1	3	8
Spring and wire product manufacturing	<1	<1	<1	3
Machine shops	<1	61	76	169
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	4	8	21
Electroplating, anodizing, and coloring metal	<1	10	11	24
Valve and fittings, other than plumbing, manufacturing	<1	2	3	13
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	2	7
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	11	16	51
Farm machinery and equipment manufacturing	<1	70	222	607
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	22	94	198
Mining machinery and equipment manufacturing	<1	<1	1	3

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	5	8	24
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	2	4
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	3	8	22
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3	8	23
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	3	12	29
Pump and pumping equipment manufacturing	<1	<1	1	4
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	0	0	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	1
Industrial process furnace and oven manufacturing	<1	0	<1	1
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	1	2	6
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	3	3	23
Computer storage device manufacturing	<1	<1	<1	4
Computer terminals and other computer peripheral equipment manufacturing	<1	2	2	9
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	0	0	<1
Other communications equipment manufacturing	<1	<1	<1	2
Audio and video equipment manufacturing	<1	<1	<1	2
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	4
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	2	10
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	12	11	44
Other electronic component manufacturing	<1	10	9	34



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	0	0	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	<1	<1	4
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	0	0	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	0	0	<1
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	<1	0	<1
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	4	4	42

## Appendix

Other communication and energy wire manufacturing	<1	<1	<1	4
Wiring device manufacturing	<1	2	2	15
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	26	35	426
Light truck and utility vehicle manufacturing	<1	7	10	174
Heavy duty truck manufacturing	<1	<1	<1	4
Motor vehicle body manufacturing	<1	1	2	9
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	29	30	124
Motor vehicle gasoline engine and engine parts manufacturing	<1	8	9	71
Motor vehicle electrical and electronic equipment manufacturing	<1	251	267	1,661
Motor vehicle transmission and power train parts manufacturing	<1	71	76	537
Motor vehicle seating and interior trim manufacturing	<1	2	3	19
Motor vehicle metal stamping	<1	19	20	103
Other motor vehicle parts manufacturing	<1	18	19	139
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	55	60	404
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	1
Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1	9	21
Wood kitchen cabinet and countertop manufacturing	<1	14	18	48
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	18	20	58
Other household nonupholstered furniture manufacturing	<1	<1	1	6
Institutional furniture manufacturing	<1	2	2	7
Wood office furniture manufacturing	<1	0	0	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	1
Mattress manufacturing	<1	2	3	17
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	3	4	11
Surgical appliance and supplies manufacturing	<1	3	4	13
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	4	4	8
Jewelry and silverware manufacturing	<1	26	35	124
Sporting and athletic goods manufacturing	<1	1	2	10
Doll, toy, and game manufacturing	<1	12	15	56
Office supplies (except paper) manufacturing	<1	21	26	96
Sign manufacturing	<1	110	101	289
Gasket, packing, and sealing device manufacturing	<1	<1	<1	2
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	3
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	887	1,622	3,892
Wholesale - Professional and commercial equipment and supplies	<1	1,732	2,521	4,540
Wholesale - Household appliances and electrical and electronic goods	<1	1,291	2,601	6,165
Wholesale - Machinery, equipment, and supplies	<1	2,456	4,062	7,590
Wholesale - Other durable goods merchant wholesalers	<1	2,493	3,882	8,813
Wholesale - Drugs and druggists'sundries	<1	750	1,465	3,330
Wholesale - Grocery and related product wholesalers	<1	2,201	3,013	6,181
Wholesale - Petroleum and petroleum products	<1	739	5,038	7,552
Wholesale - Other nondurable goods merchant wholesalers	<1	5,424	9,085	19,308
Wholesale - Wholesale electronic markets and agents and brokers	<1	434	478	582
Retail - Motor vehicle and parts dealers	<1	3,035	3,908	5,885
Retail - Furniture and home furnishings stores	<1	1,395	1,718	3,053
Retail - Electronics and appliance stores	<1	1,464	1,157	2,202
Retail - Building material and garden equipment and supplies stores	<1	1,717	3,030	4,457
Retail - Food and beverage stores	<1	3,330	4,593	8,575
Retail - Health and personal care stores	<1	2,557	3,147	4,998
Retail - Gasoline stores	<1	1,584	3,123	6,441
Retail - Clothing and clothing accessories stores	<1	1,192	1,875	4,950
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,382	1,653	2,934
Retail - General merchandise stores	<1	4,340	2,969	7,562
Retail - Miscellaneous store retailers	<1	3,748	3,536	4,966
Retail - Nonstore retailers	<1	2,127	11,311	21,251
Air transportation	<1	532	1,852	3,261

## Appendix

Rail transportation	<1	569	3,112	4,236
Water transportation	<1	685	694	1,199
Truck transportation	<1	7,321	10,506	20,006
Transit and ground passenger transportation	<1	1,116	1,326	2,131
Pipeline transportation	<1	1,805	2,869	6,095
Scenic and sightseeing transportation and support activities for transportation	<1	6,632	5,767	8,658
Couriers and messengers	<1	1,850	3,328	3,994
Warehousing and storage	<1	1,592	1,741	3,403
Newspaper publishers	<1	846	1,410	2,222
Periodical publishers	<1	157	225	519
Book publishers	<1	118	323	887
Directory, mailing list, and other publishers	<1	87	213	521
Greeting card publishing	0	0	0	0
Software publishers	<1	4,226	7,971	10,480
Motion picture and video industries	<1	335	436	1,877
Sound recording industries	<1	23	122	434
Radio and television broadcasting	<1	3,116	5,417	17,992
Cable and other subscription programming	<1	86	735	2,018
Wired telecommunications carriers	<1	2,701	6,399	11,542
Wireless telecommunications carriers (except satellite)	<1	6	57	135
Satellite, telecommunications resellers, and all other telecommunications	<1	78	94	261
Data processing, hosting, and related services	<1	1,486	2,842	9,858
News syndicates, libraries, archives and all other information services	<1	106	144	422
Internet publishing and broadcasting and web search portals	<1	441	950	7,270
Nondepository credit intermediation and related activities	<1	2,478	2,663	4,445
Securities and commodity contracts intermediation and brokerage	<1	3,613	3,201	9,221
Monetary authorities and depository credit intermediation	<1	20,089	51,246	86,160

## Appendix

Other financial investment activities	<1	1,332	1,616	6,303
Direct life insurance carriers	<1	571	1,098	1,620
Insurance carriers, except direct life	<1	4,148	12,406	30,418
Insurance agencies, brokerages, and related activities	<1	6,581	10,127	27,907
Funds, trusts, and other financial vehicles	<1	960	1,180	6,553
Other real estate	<1	28,022	58,480	155,464
Tenant-occupied housing	<1	2,837	12,800	14,584
Owner-occupied dwellings	0	0	45,573	54,999
Automotive equipment rental and leasing	<1	426	2,066	2,647
General and consumer goods rental except video tapes and discs	<1	663	1,286	1,831
Video tape and disc rental	<1	253	411	628
Commercial and industrial machinery and equipment rental and leasing	<1	1,016	4,544	5,338
Lessors of nonfinancial intangible assets	<1	77	3,247	3,451
Legal services	<1	15,022	19,382	32,018
Accounting, tax preparation, bookkeeping, and payroll services	<1	4,812	5,631	9,563
Architectural, engineering, and related services	<1	10,096	10,718	20,754
Specialized design services	<1	128	186	452
Custom computer programming services	<1	1,367	1,485	2,196
Computer systems design services	<1	1,403	1,423	1,934
Other computer related services, including facilities management	<1	260	437	823
Management consulting services	<1	11,922	12,159	21,336
Environmental and other technical consulting services	<1	4,181	4,489	7,811
Scientific research and development services	7	585,191	772,404	1,617,235
Advertising, public relations, and related services	<1	3,237	4,539	12,503
Photographic services	<1	171	335	969
Veterinary services	<1	657	708	1,158
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	8,758	12,483	31,956
Management of companies and enterprises	<1	29,769	32,318	53,691

## Appendix

Office administrative services	<1	4,104	968	4,225
Facilities support services	<1	221	278	747
Employment services	<1	22,625	28,825	47,912
Business support services	<1	2,271	1,890	3,347
Travel arrangement and reservation services	<1	830	1,183	5,373
Investigation and security services	<1	1,004	1,012	1,467
Services to buildings	<1	2,742	3,533	8,194
Landscape and horticultural services	<1	1,601	1,864	3,802
Other support services	<1	1,113	1,331	2,940
Waste management and remediation services	<1	1,091	1,872	3,627
Elementary and secondary schools	<1	1,135	1,034	1,268
Junior colleges, colleges, universities, and professional schools	<1	884	1,184	2,054
Other educational services	<1	815	899	2,118
Offices of physicians	<1	22,376	22,330	29,254
Offices of dentists	<1	4,104	4,827	6,265
Offices of other health practitioners	<1	3,208	4,715	5,826
Outpatient care centers	<1	855	833	1,421
Medical and diagnostic laboratories	<1	562	879	1,147
Home health care services	<1	1,546	1,526	1,951
Other ambulatory health care services	<1	989	1,144	2,020
Hospitals	<1	39,341	45,145	88,315
Nursing and community care facilities	<1	5,203	5,463	9,152
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,602	2,629	3,958
Individual and family services	<1	5,217	4,343	6,150
Child day care services	<1	2,207	2,466	3,781
Community food, housing, and other relief services, including rehabilitation services	<1	1,580	1,470	3,447
Performing arts companies	<1	249	421	1,010
Commercial Sports Except Racing	<1	365	314	749
Racing and Track Operation	<1	44	71	195
Independent artists, writers, and performers	<1	289	662	1,430

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	594	1,246	4,342
Museums, historical sites, zoos, and parks	<1	124	146	309
Amusement parks and arcades	<1	54	95	127
Gambling industries (except casino hotels)	<1	503	1,744	2,482
Other amusement and recreation industries	<1	451	406	688
Fitness and recreational sports centers	<1	423	542	963
Bowling centers	<1	85	127	223
Hotels and motels, including casino hotels	<1	193	546	775
Other accommodations	<1	39	48	66
Full-service restaurants	<1	6,949	10,208	21,504
Limited-service restaurants	<1	5,142	7,898	19,384
All other food and drinking places	<1	5,839	9,336	16,336
Automotive repair and maintenance, except car washes	<1	6,533	7,159	10,428
Car washes	<1	3,255	4,325	6,691
Electronic and precision equipment repair and maintenance	<1	1,014	1,332	2,229
Commercial and industrial machinery and equipment repair and maintenance	<1	3,008	3,421	5,083
Personal and household goods repair and maintenance	<1	558	990	1,434
Personal care services	<1	1,996	1,478	1,791
Death care services	<1	352	286	395
Dry-cleaning and laundry services	<1	1,209	916	1,159
Other personal services	<1	973	1,279	1,847
Religious organizations	<1	4,460	3,056	7,450
Grantmaking, giving, and social advocacy organizations	<1	1,466	5,358	7,627
Business and professional associations	<1	1,228	2,220	3,925
Labor and civic organizations	<1	690	2,418	4,393
Private households	<1	350	350	350
Postal service	<1	2,434	2,449	2,450
Federal electric utilities	<1	207	621	1,646
Other federal government enterprises	<1	215	-6,488	298
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	493	722	1,253
Local government passenger transit	<1	2	<1	1
Local government electric utilities	<1	18	49	151
Other local government enterprises	<1	3,957	8,285	22,330
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	12,931	49,370	90,346

## Moon to Mars Campaign

**Table 728: Detailed M2M Campaign Impacts by Types of Impact, North Dakota**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1</i>	<i>93,505</i>	<i>168,747</i>	<i>326,483</i>
Oilseed farming	<1	926	3,361	4,787
Grain farming	<1	170	378	1,113
Vegetable and melon farming	<1	30	57	104
Fruit farming	<1	<1	<1	<1
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	1	2	5
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	12	22	45
All other crop farming	<1	4	7	16
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	31	79	184
Dairy cattle and milk production	<1	5	10	47
Poultry and egg production	<1	<1	2	25
Animal production, except cattle and poultry and eggs	<1	111	405	447
Forestry, forest products, and timber tract production	<1	1	6	7
Commercial logging	<1	<1	2	2
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	6	4	6
Support activities for agriculture and forestry	<1	36	37	41
Oil and gas extraction	<1	72	1,531	2,133
Coal mining	<1	71	172	276
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	<1	<1	<1
Sand and gravel mining	<1	14	30	48
Other clay, ceramic, refractory minerals mining	<1	<1	<1	1
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	<1	<1	<1
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	2	4	6
Metal mining services	<1	<1	20	31
Other nonmetallic minerals services	<1	<1	4	5
Electric power generation - Hydroelectric	0	0	0	0

## Appendix

Electric power generation - Fossil fuel	<1	215	564	1,654
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2	3	8
Electric power generation - Wind	<1	15	95	232
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	308	837	2,414
Natural gas distribution	<1	151	412	914
Water, sewage and other systems	<1	10	18	32
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	192	302	702
Maintenance and repair construction of residential structures	<1	79	116	264
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	0	0	<1
Other animal food manufacturing	<1	7	11	100
Flour milling	<1	5	9	64

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	44	87	410
Soybean and other oilseed processing	<1	2	11	97
Fats and oils refining and blending	<1	<1	2	21
Breakfast cereal manufacturing	<1	5	10	31
Beet sugar manufacturing	<1	7	12	45
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	0	0	<1
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	3
Frozen fruits, juices and vegetables manufacturing	<1	20	38	118
Frozen specialties manufacturing	<1	<1	<1	6
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	1	4
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	12	18	79
Creamery butter manufacturing	<1	<1	1	15
Ice cream and frozen dessert manufacturing	<1	<1	<1	<1
Frozen cakes and other pastries manufacturing	<1	2	2	5
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	10	12	108
Meat processed from carcasses	<1	4	4	25
Rendering and meat byproduct processing	<1	<1	<1	<1
Seafood product preparation and packaging	<1	<1	<1	<1
Bread and bakery product, except frozen, manufacturing	<1	17	23	56
Cookie and cracker manufacturing	<1	8	10	28
Dry pasta, mixes, and dough manufacturing	<1	10	20	71
Tortilla manufacturing	0	0	0	0

## Appendix

Roasted nuts and peanut butter manufacturing	<1	5	11	34
Other snack food manufacturing	<1	3	6	22
Coffee and tea manufacturing	<1	<1	<1	<1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	0	0	<1
Spice and extract manufacturing	<1	<1	<1	<1
All other food manufacturing	<1	<1	<1	2
Bottled and canned soft drinks & water	<1	10	17	86
Manufactured ice	<1	<1	<1	3
Breweries	<1	2	4	17
Wineries	<1	<1	<1	3
Distilleries	<1	0	<1	2
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	6
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	2	2	5
Rope, cordage, twine, tire cord and tire fabric mills	<1	0	0	<1
Other textile product mills	<1	<1	<1	2
Hosiery and sock mills	0	0	0	0
Other apparel knitting mills	<1	0	0	<1
Cut and sew apparel contractors	<1	0	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	0	0	<1
Women's and girls' cut and sew apparel manufacturing	<1	0	<1	<1
Other cut and sew apparel manufacturing	<1	0	0	<1
Apparel accessories and other apparel manufacturing	<1	0	0	<1
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	0	0	0	0

## Appendix

Sawmills	0	0	0	0
Wood preservation	<1	<1	<1	2
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1	2	8
Reconstituted wood product manufacturing	<1	<1	<1	5
Wood windows and door manufacturing	<1	34	43	119
Cut stock, resawing lumber, and planing	<1	2	4	14
Other millwork, including flooring	<1	7	10	30
Wood container and pallet manufacturing	<1	3	4	12
Manufactured home (mobile home) manufacturing	<1	0	<1	<1
Prefabricated wood building manufacturing	<1	<1	<1	<1
All other miscellaneous wood product manufacturing	<1	<1	<1	<1
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	4	5	28
Paper bag and coated and treated paper manufacturing	<1	1	2	6
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	63	83	183
Support activities for printing	0	0	0	0
Petroleum refineries	<1	51	122	2,206
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	<1	1	2	10
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	<1	<1	2
Other basic organic chemical manufacturing	<1	7	5	64
Plastics material and resin manufacturing	<1	1	1	8
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	2	1	11
Medicinal and botanical manufacturing	<1	0	<1	2
Pharmaceutical preparation manufacturing	<1	<1	<1	<1
In-vitro diagnostic substance manufacturing	<1	2	2	4
Biological product (except diagnostic) manufacturing	<1	4	2	12
Paint and coating manufacturing	<1	<1	<1	1
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	<1	<1	<1
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	0	0	<1
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	<1	<1	3
Other miscellaneous chemical product manufacturing	<1	0	0	<1
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2	3	16
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	5	6	36

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	<1	<1	4
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	1	1	9
Other plastics product manufacturing	<1	14	15	58
Tire manufacturing	<1	7	8	35
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	3
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	<1	4	6	14
Flat glass manufacturing	<1	2	3	6
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	13	22	49
Cement manufacturing	<1	1	3	9
Ready-mix concrete manufacturing	<1	20	30	92
Concrete block and brick manufacturing	<1	<1	2	4
Concrete pipe manufacturing	<1	<1	<1	2
Other concrete product manufacturing	<1	6	9	19
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	<1	2	3
Cut stone and stone product manufacturing	<1	4	6	12
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	2	6	10
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	2	8	30
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	3	10



## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	<1	<1
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	<1	<1	1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	<1	1	4
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	<1	<1	2
Fabricated structural metal manufacturing	<1	4	7	24
Plate work manufacturing	<1	5	6	17
Metal window and door manufacturing	<1	7	11	30
Sheet metal work manufacturing	<1	<1	<1	3
Ornamental and architectural metal work manufacturing	<1	1	2	5
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	2
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	<1	<1	1
Hardware manufacturing	<1	<1	<1	<1
Spring and wire product manufacturing	<1	<1	<1	<1

## Appendix

Machine shops	<1	5	6	14
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	<1	<1	2
Electroplating, anodizing, and coloring metal	<1	<1	<1	2
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	0	0	<1
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	<1	1	4
Farm machinery and equipment manufacturing	<1	5	15	40
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	1	7	13
Mining machinery and equipment manufacturing	<1	0	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	0	0	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	0	0	<1
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	0	<1	<1

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	<1	<1	2
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	<1	<1	2
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	0	0	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	0	<1	2
Pump and pumping equipment manufacturing	<1	0	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	0	0	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	0	<1	<1

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	<1	<1	2
Computer storage device manufacturing	<1	0	0	<1
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	0	0	<1
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	<1	<1	3
Other electronic component manufacturing	<1	<1	<1	2
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	<1	<1	4
Other communication and energy wire manufacturing	<1	0	0	<1
Wiring device manufacturing	<1	0	0	1
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	2	3	33
Light truck and utility vehicle manufacturing	<1	<1	<1	13
Heavy duty truck manufacturing	<1	0	0	<1
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	<1	0	0	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2	2	8

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	5
Motor vehicle electrical and electronic equipment manufacturing	<1	17	18	106
Motor vehicle transmission and power train parts manufacturing	<1	6	7	44
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	1
Motor vehicle metal stamping	<1	<1	<1	5
Other motor vehicle parts manufacturing	<1	1	1	10
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4	4	29
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	0	0	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	0	<1	<1
Railroad rolling stock manufacturing	<1	0	0	<1
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	0	<1	1
Wood kitchen cabinet and countertop manufacturing	<1	1	1	4
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	2	2	5
Other household nonupholstered furniture manufacturing	<1	<1	<1	<1
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	<1	0	0	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	0	0	<1
Mattress manufacturing	<1	<1	<1	1
Blind and shade manufacturing	<1	0	0	<1
Surgical and medical instrument manufacturing	<1	<1	<1	<1
Surgical appliance and supplies manufacturing	<1	0	<1	1
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	0	<1	<1
Dental laboratories	<1	<1	<1	<1
Jewelry and silverware manufacturing	<1	2	3	11
Sporting and athletic goods manufacturing	<1	<1	<1	<1
Doll, toy, and game manufacturing	<1	<1	1	5
Office supplies (except paper) manufacturing	<1	2	2	8
Sign manufacturing	<1	8	7	20
Gasket, packing, and sealing device manufacturing	<1	<1	<1	<1
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	<1
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	73	134	323
Wholesale - Professional and commercial equipment and supplies	<1	147	215	384
Wholesale - Household appliances and electrical and electronic goods	<1	100	201	477
Wholesale - Machinery, equipment, and supplies	<1	174	288	538
Wholesale - Other durable goods merchant wholesalers	<1	197	308	699

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	62	121	272
Wholesale - Grocery and related product wholesalers	<1	179	243	499
Wholesale - Petroleum and petroleum products	<1	53	428	626
Wholesale - Other nondurable goods merchant wholesalers	<1	439	762	1,587
Wholesale - Wholesale electronic markets and agents and brokers	<1	35	38	46
Retail - Motor vehicle and parts dealers	<1	243	314	470
Retail - Furniture and home furnishings stores	<1	115	142	251
Retail - Electronics and appliance stores	<1	121	97	180
Retail - Building material and garden equipment and supplies stores	<1	138	245	358
Retail - Food and beverage stores	<1	285	393	727
Retail - Health and personal care stores	<1	213	262	412
Retail - Gasoline stores	<1	133	254	511
Retail - Clothing and clothing accessories stores	<1	100	157	407
Retail - Sporting goods, hobby, musical instrument and book stores	<1	115	138	241
Retail - General merchandise stores	<1	351	241	608
Retail - Miscellaneous store retailers	<1	310	294	405
Retail - Nonstore retailers	<1	172	938	1,756
Air transportation	<1	43	152	263
Rail transportation	<1	45	224	322
Water transportation	<1	55	57	93
Truck transportation	<1	584	833	1,575
Transit and ground passenger transportation	<1	114	136	205
Pipeline transportation	<1	99	177	384
Scenic and sightseeing transportation and support activities for transportation	<1	527	453	678
Couriers and messengers	<1	159	283	339
Warehousing and storage	<1	130	142	276
Newspaper publishers	<1	70	127	190
Periodical publishers	<1	15	25	52
Book publishers	<1	10	31	80



## Appendix

Directory, mailing list, and other publishers	<1	6	16	40
Greeting card publishing	0	0	0	0
Software publishers	<1	340	683	877
Motion picture and video industries	<1	31	41	164
Sound recording industries	<1	2	11	37
Radio and television broadcasting	<1	252	439	1,357
Cable and other subscription programming	<1	8	67	173
Wired telecommunications carriers	<1	203	495	882
Wireless telecommunications carriers (except satellite)	<1	<1	5	11
Satellite, telecommunications resellers, and all other telecommunications	<1	6	7	20
Data processing, hosting, and related services	<1	115	221	752
News syndicates, libraries, archives and all other information services	<1	9	13	36
Internet publishing and broadcasting and web search portals	<1	36	78	584
Nondepository credit intermediation and related activities	<1	210	226	369
Securities and commodity contracts intermediation and brokerage	<1	319	274	727
Monetary authorities and depository credit intermediation	<1	1,412	3,842	6,233
Other financial investment activities	<1	134	162	571
Direct life insurance carriers	<1	44	86	125
Insurance carriers, except direct life	<1	326	976	2,348
Insurance agencies, brokerages, and related activities	<1	507	775	2,120
Funds, trusts, and other financial vehicles	<1	90	114	563
Other real estate	<1	2,164	4,371	11,214
Tenant-occupied housing	<1	251	1,134	1,283
Owner-occupied dwellings	0	0	3,844	4,639
Automotive equipment rental and leasing	<1	34	167	210

## Appendix

General and consumer goods rental except video tapes and discs	<1	53	103	145
Video tape and disc rental	<1	20	33	51
Commercial and industrial machinery and equipment rental and leasing	<1	82	368	431
Lessors of nonfinancial intangible assets	<1	5	237	251
Legal services	<1	1,044	1,381	2,249
Accounting, tax preparation, bookkeeping, and payroll services	<1	371	442	737
Architectural, engineering, and related services	<1	693	741	1,423
Specialized design services	<1	11	16	37
Custom computer programming services	<1	106	115	169
Computer systems design services	<1	110	112	151
Other computer related services, including facilities management	<1	22	36	68
Management consulting services	<1	875	894	1,541
Environmental and other technical consulting services	<1	324	351	601
Scientific research and development services	<1	42,833	56,426	115,209
Advertising, public relations, and related services	<1	256	365	979
Photographic services	<1	12	26	72
Veterinary services	<1	54	59	94
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	681	991	2,493
Management of companies and enterprises	<1	2,179	2,381	3,901
Office administrative services	<1	362	92	369
Facilities support services	<1	16	21	54
Employment services	<1	1,688	2,193	3,496
Business support services	<1	160	135	231
Travel arrangement and reservation services	<1	69	99	424
Investigation and security services	<1	79	79	113
Services to buildings	<1	206	271	607
Landscape and horticultural services	<1	124	146	289
Other support services	<1	85	102	220
Waste management and remediation services	<1	80	137	264

## Appendix

Elementary and secondary schools	<1	109	99	120
Junior colleges, colleges, universities, and professional schools	<1	93	125	210
Other educational services	<1	74	82	190
Offices of physicians	<1	1,834	1,835	2,397
Offices of dentists	<1	344	412	530
Offices of other health practitioners	<1	258	393	482
Outpatient care centers	<1	76	74	126
Medical and diagnostic laboratories	<1	48	79	101
Home health care services	<1	133	132	169
Other ambulatory health care services	<1	83	97	170
Hospitals	<1	3,579	4,136	8,067
Nursing and community care facilities	<1	466	489	805
Residential mental retardation, mental health, substance abuse and other facilities	<1	251	253	376
Individual and family services	<1	488	413	579
Child day care services	<1	193	225	338
Community food, housing, and other relief services, including rehabilitation services	<1	156	146	333
Performing arts companies	<1	23	38	87
Commercial Sports Except Racing	<1	29	26	60
Racing and Track Operation	<1	4	6	17
Independent artists, writers, and performers	<1	26	56	119
Promoters of performing arts and sports and agents for public figures	<1	55	111	365
Museums, historical sites, zoos, and parks	<1	12	13	28
Amusement parks and arcades	<1	5	9	12
Gambling industries (except casino hotels)	<1	45	157	221
Other amusement and recreation industries	<1	38	34	57
Fitness and recreational sports centers	<1	38	48	84
Bowling centers	<1	7	11	18
Hotels and motels, including casino hotels	<1	18	49	70
Other accommodations	<1	4	5	7

Appendix

Full-service restaurants	<1	563	823	1,715
Limited-service restaurants	<1	430	657	1,580
All other food and drinking places	<1	482	762	1,313
Automotive repair and maintenance, except car washes	<1	554	590	858
Car washes	<1	267	354	545
Electronic and precision equipment repair and maintenance	<1	74	98	161
Commercial and industrial machinery and equipment repair and maintenance	<1	224	252	371
Personal and household goods repair and maintenance	<1	45	75	110
Personal care services	<1	171	114	141
Death care services	<1	32	24	33
Dry-cleaning and laundry services	<1	96	66	85
Other personal services	<1	80	102	147
Religious organizations	<1	439	263	687
Grantmaking, giving, and social advocacy organizations	<1	155	493	715
Business and professional associations	<1	104	171	304
Labor and civic organizations	<1	69	209	390
Private households	<1	31	31	31
Postal service	<1	197	199	199
Federal electric utilities	<1	8	24	63
Other federal government enterprises	<1	19	-655	28
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	25	34	59
Local government passenger transit	<1	<1	0	<1
Local government electric utilities	<1	1	3	10
Other local government enterprises	<1	301	527	1,528
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	12,931	49,370	90,346

## Investments in Climate Change Research and Technology

**Table 729: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	7	495,753	739,529	1,495,864
Oilseed farming	<1	2,964	8,668	11,726
Grain farming	<1	1,024	1,558	6,361
Vegetable and melon farming	<1	179	316	595
Fruit farming	<1	1	2	3
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	8	14	32
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	99	176	370
All other crop farming	<1	35	58	128
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	349	704	1,751
Dairy cattle and milk production	<1	28	53	267
Poultry and egg production	<1	8	16	212
Animal production, except cattle and poultry and eggs	<1	927	2,578	2,869
Forestry, forest products, and timber tract production	<1	7	35	39

## Appendix

Commercial logging	<1	1	17	18
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	19	24	38
Support activities for agriculture and forestry	<1	295	305	331
Oil and gas extraction	<1	776	14,093	18,175
Coal mining	<1	1,139	2,709	4,413
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	<1	<1	1
Sand and gravel mining	<1	86	193	317
Other clay, ceramic, refractory minerals mining	<1	3	5	9
Potash, soda, and borate mineral mining	<1	0	<1	<1
Phosphate rock mining	<1	0	0	<1
Other chemical and fertilizer mineral mining	<1	0	<1	<1
Other nonmetallic minerals	<1	<1	3	5
Drilling oil and gas wells	<1	<1	3	4
Support activities for oil and gas operations	<1	20	39	66
Metal mining services	<1	10	236	340
Other nonmetallic minerals services	<1	2	34	46
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	1,006	3,087	9,058
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	9	17	40
Electric power generation - Wind	<1	137	966	2,409
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,805	5,372	15,642

## Appendix

Natural gas distribution	<1	776	2,200	5,020
Water, sewage and other systems	<1	62	116	219
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,257	1,923	4,662
Maintenance and repair construction of residential structures	<1	447	643	1,523
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	<1	<1	<1	3
Other animal food manufacturing	<1	51	82	763
Flour milling	<1	39	74	493
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	348	586	3,352
Soybean and other oilseed processing	<1	13	64	587
Fats and oils refining and blending	<1	5	12	116
Breakfast cereal manufacturing	<1	22	45	144
Beet sugar manufacturing	<1	27	48	178
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	3

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	3	4	17
Frozen fruits, juices and vegetables manufacturing	<1	112	199	687
Frozen specialties manufacturing	<1	4	6	37
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	3	5	16
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	66	92	410
Creamery butter manufacturing	<1	3	10	100
Ice cream and frozen dessert manufacturing	<1	<1	<1	4
Frozen cakes and other pastries manufacturing	<1	11	15	34
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	74	87	786
Meat processed from carcasses	<1	26	25	153
Rendering and meat byproduct processing	<1	<1	<1	4
Seafood product preparation and packaging	<1	<1	<1	5
Bread and bakery product, except frozen, manufacturing	<1	104	139	339
Cookie and cracker manufacturing	<1	37	47	148
Dry pasta, mixes, and dough manufacturing	<1	56	107	366
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	27	64	196
Other snack food manufacturing	<1	17	37	144
Coffee and tea manufacturing	<1	<1	<1	4
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	3
Spice and extract manufacturing	<1	<1	<1	3
All other food manufacturing	<1	2	3	13
Bottled and canned soft drinks & water	<1	71	118	598
Manufactured ice	<1	5	3	16



## Appendix

Breweries	<1	12	22	95
Wineries	<1	<1	<1	13
Distilleries	<1	<1	4	14
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	5	5	27
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	12	12	39
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	6
Other textile product mills	<1	3	3	11
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	1
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	0	0	0	0
Sawmills	0	0	0	0
Wood preservation	<1	1	3	16
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	9	14	51
Reconstituted wood product manufacturing	<1	3	8	49
Wood windows and door manufacturing	<1	271	353	998
Cut stock, resawing lumber, and planing	<1	18	36	111

## Appendix

Other millwork, including flooring	<1	45	71	214
Wood container and pallet manufacturing	<1	19	25	76
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	<1	1	4
All other miscellaneous wood product manufacturing	<1	<1	1	4
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	27	36	187
Paper bag and coated and treated paper manufacturing	<1	7	10	45
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	371	474	1,122
Support activities for printing	0	0	0	0
Petroleum refineries	<1	392	846	16,229
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	<1	8	11	58
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	4	2	12
Other basic organic chemical manufacturing	<1	74	52	601
Plastics material and resin manufacturing	<1	11	9	71
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	14	9	85
Medicinal and botanical manufacturing	<1	4	2	9
Pharmaceutical preparation manufacturing	<1	2	<1	4
In-vitro diagnostic substance manufacturing	<1	7	5	13
Biological product (except diagnostic) manufacturing	<1	18	8	45
Paint and coating manufacturing	<1	2	2	9
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	1	<1	6
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	<1	<1
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	3	2	16
Other miscellaneous chemical product manufacturing	<1	<1	<1	2
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	15	16	100
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	33	38	222
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6	6	29
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	7	8	55
Other plastics product manufacturing	<1	94	99	402
Tire manufacturing	<1	42	45	224

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	5	5	26
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	<1	28	46	95
Flat glass manufacturing	<1	11	22	45
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	121	216	461
Cement manufacturing	<1	8	19	54
Ready-mix concrete manufacturing	<1	134	217	640
Concrete block and brick manufacturing	<1	6	10	26
Concrete pipe manufacturing	<1	5	8	21
Other concrete product manufacturing	<1	47	70	151
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	5	11	16
Cut stone and stone product manufacturing	<1	30	39	85
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	14	37	65
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	13	71	257
Iron, steel pipe and tube manufacturing from purchased steel	<1	6	26	78
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	2	8
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	2	4	7
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	4	6	23
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	<1
Prefabricated metal buildings and components manufacturing	<1	2	4	13
Fabricated structural metal manufacturing	<1	33	54	191
Plate work manufacturing	<1	41	48	144
Metal window and door manufacturing	<1	38	57	159
Sheet metal work manufacturing	<1	4	6	18
Ornamental and architectural metal work manufacturing	<1	7	10	33
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	2	2	8
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	1	2	7
Hardware manufacturing	<1	<1	1	4
Spring and wire product manufacturing	<1	<1	<1	2
Machine shops	<1	32	40	90
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	2	4	12
Electroplating, anodizing, and coloring metal	<1	6	6	14
Valve and fittings, other than plumbing, manufacturing	<1	<1	2	7
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	1	4
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	6	8	26
Farm machinery and equipment manufacturing	<1	46	147	401
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	8	32	72
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	4	6	17
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	1	2
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	1	4	11
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2	5	13
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	2	7	16
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	0	0	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	0	0	<1
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	<1	2	5
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	1	1	11
Computer storage device manufacturing	<1	<1	<1	2
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	4
Telephone apparatus manufacturing	0	0	0	0

## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	2
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	1	1	5
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	6	5	21
Other electronic component manufacturing	<1	4	4	15
Electromedical and electrotherapeutic apparatus manufacturing	<1	0	0	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	0	0	1
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	<1	0	0	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	0	0	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	0	0	<1
Small electrical appliance manufacturing	0	0	0	0



## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	0	0	<1
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2	2	21
Other communication and energy wire manufacturing	<1	0	0	2
Wiring device manufacturing	<1	1	<1	8
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	0	0	<1
Automobile manufacturing	<1	17	26	284
Light truck and utility vehicle manufacturing	<1	5	7	116
Heavy duty truck manufacturing	<1	<1	<1	2
Motor vehicle body manufacturing	<1	<1	<1	5
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	18	19	77
Motor vehicle gasoline engine and engine parts manufacturing	<1	4	4	35
Motor vehicle electrical and electronic equipment manufacturing	<1	142	151	983
Motor vehicle transmission and power train parts manufacturing	<1	28	31	230
Motor vehicle seating and interior trim manufacturing	<1	2	2	12
Motor vehicle metal stamping	<1	11	11	60
Other motor vehicle parts manufacturing	<1	10	11	78

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	24	26	181
Aircraft manufacturing	<1	0	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1
Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	<1	6	14
Wood kitchen cabinet and countertop manufacturing	<1	8	10	28
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	9	11	31
Other household nonupholstered furniture manufacturing	<1	<1	<1	4
Institutional furniture manufacturing	<1	<1	<1	3
Wood office furniture manufacturing	<1	0	0	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	<1
Mattress manufacturing	<1	1	2	10
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	2	2	5
Surgical appliance and supplies manufacturing	<1	1	2	7

## Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	1
Dental laboratories	<1	2	2	4
Jewelry and silverware manufacturing	<1	14	20	69
Sporting and athletic goods manufacturing	<1	<1	1	6
Doll, toy, and game manufacturing	<1	6	8	28
Office supplies (except paper) manufacturing	<1	10	12	48
Sign manufacturing	<1	55	50	145
Gasket, packing, and sealing device manufacturing	<1	<1	<1	1
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	2
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	430	799	1,897
Wholesale - Professional and commercial equipment and supplies	<1	801	1,177	2,118
Wholesale - Household appliances and electrical and electronic goods	<1	620	1,275	3,021
Wholesale - Machinery, equipment, and supplies	<1	1,201	2,016	3,764
Wholesale - Other durable goods merchant wholesalers	<1	1,184	1,872	4,239
Wholesale - Drugs and druggists'sundries	<1	359	720	1,644
Wholesale - Grocery and related product wholesalers	<1	1,075	1,491	3,063
Wholesale - Petroleum and petroleum products	<1	411	2,658	4,005
Wholesale - Other nondurable goods merchant wholesalers	<1	2,555	4,326	9,226
Wholesale - Wholesale electronic markets and agents and brokers	<1	210	233	287
Retail - Motor vehicle and parts dealers	<1	1,459	1,905	2,872
Retail - Furniture and home furnishings stores	<1	658	821	1,465

## Appendix

Retail - Electronics and appliance stores	<1	692	555	1,067
Retail - Building material and garden equipment and supplies stores	<1	795	1,442	2,120
Retail - Food and beverage stores	<1	1,552	2,173	4,057
Retail - Health and personal care stores	<1	1,202	1,497	2,399
Retail - Gasoline stores	<1	781	1,559	3,195
Retail - Clothing and clothing accessories stores	<1	565	915	2,427
Retail - Sporting goods, hobby, musical instrument and book stores	<1	641	778	1,388
Retail - General merchandise stores	<1	2,089	1,455	3,697
Retail - Miscellaneous store retailers	<1	1,740	1,670	2,362
Retail - Nonstore retailers	<1	978	5,381	10,111
Air transportation	<1	263	907	1,619
Rail transportation	<1	292	1,574	2,161
Water transportation	<1	343	322	592
Truck transportation	<1	3,650	5,280	10,251
Transit and ground passenger transportation	<1	457	559	929
Pipeline transportation	<1	926	1,365	3,067
Scenic and sightseeing transportation and support activities for transportation	<1	3,488	3,121	4,602
Couriers and messengers	<1	877	1,670	1,996
Warehousing and storage	<1	791	862	1,702
Newspaper publishers	<1	382	607	981
Periodical publishers	<1	63	86	206
Book publishers	<1	50	131	370
Directory, mailing list, and other publishers	<1	41	96	243
Greeting card publishing	0	0	0	0
Software publishers	<1	2,018	3,671	4,943
Motion picture and video industries	<1	162	210	915
Sound recording industries	<1	11	56	204
Radio and television broadcasting	<1	1,414	2,464	8,680
Cable and other subscription programming	<1	38	318	893
Wired telecommunications carriers	<1	1,322	3,107	5,698

Appendix

Wireless telecommunications carriers (except satellite)	<1	3	27	67
Satellite, telecommunications resellers, and all other telecommunications	<1	39	50	135
Data processing, hosting, and related services	<1	731	1,401	4,902
News syndicates, libraries, archives and all other information services	<1	49	67	194
Internet publishing and broadcasting and web search portals	<1	209	452	3,485
Nondepository credit intermediation and related activities	<1	1,211	1,297	2,190
Securities and commodity contracts intermediation and brokerage	<1	1,698	1,529	4,611
Monetary authorities and depository credit intermediation	<1	10,245	23,884	41,667
Other financial investment activities	<1	600	722	2,947
Direct life insurance carriers	<1	267	505	779
Insurance carriers, except direct life	<1	1,951	5,679	14,527
Insurance agencies, brokerages, and related activities	<1	3,354	5,105	14,453
Funds, trusts, and other financial vehicles	<1	458	555	3,135
Other real estate	<1	13,071	26,913	72,235
Tenant-occupied housing	<1	1,313	6,011	6,885
Owner-occupied dwellings	0	0	21,118	25,644
Automotive equipment rental and leasing	<1	203	958	1,256
General and consumer goods rental except video tapes and discs	<1	322	629	901
Video tape and disc rental	<1	119	198	301
Commercial and industrial machinery and equipment rental and leasing	<1	529	2,300	2,754
Lessors of nonfinancial intangible assets	<1	40	1,562	1,666
Legal services	<1	7,451	9,420	15,678
Accounting, tax preparation, bookkeeping, and payroll services	<1	2,279	2,647	4,582
Architectural, engineering, and related services	<1	4,799	5,087	9,937
Specialized design services	<1	57	83	206

## Appendix

Custom computer programming services	<1	631	685	1,043
Computer systems design services	<1	645	654	900
Other computer related services, including facilities management	<1	119	199	378
Management consulting services	<1	5,494	5,599	10,021
Environmental and other technical consulting services	<1	1,910	2,042	3,623
Scientific research and development services	3	276,428	374,538	766,932
Advertising, public relations, and related services	<1	1,467	2,057	5,764
Photographic services	<1	82	155	469
Veterinary services	<1	306	329	543
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,687	5,293	13,739
Management of companies and enterprises	<1	13,311	14,493	24,557
Office administrative services	<1	1,859	435	1,957
Facilities support services	<1	110	138	382
Employment services	<1	10,765	13,626	23,580
Business support services	<1	1,117	926	1,699
Travel arrangement and reservation services	<1	434	619	2,792
Investigation and security services	<1	489	492	731
Services to buildings	<1	1,302	1,666	3,940
Landscape and horticultural services	<1	734	852	1,776
Other support services	<1	508	605	1,379
Waste management and remediation services	<1	513	892	1,732
Elementary and secondary schools	<1	505	461	570
Junior colleges, colleges, universities, and professional schools	<1	361	484	860
Other educational services	<1	374	411	983
Offices of physicians	<1	10,361	10,326	13,701
Offices of dentists	<1	1,884	2,212	2,901
Offices of other health practitioners	<1	1,507	2,204	2,750
Outpatient care centers	<1	407	396	672
Medical and diagnostic laboratories	<1	273	428	562
Home health care services	<1	706	695	903

## Appendix

Other ambulatory health care services	<1	455	525	939
Hospitals	<1	16,818	19,224	37,791
Nursing and community care facilities	<1	2,283	2,387	4,075
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,085	1,095	1,679
Individual and family services	<1	2,235	1,864	2,711
Child day care services	<1	974	1,085	1,686
Community food, housing, and other relief services, including rehabilitation services	<1	669	622	1,486
Performing arts companies	<1	116	190	467
Commercial Sports Except Racing	<1	171	138	340
Racing and Track Operation	<1	19	31	89
Independent artists, writers, and performers	<1	139	306	669
Promoters of performing arts and sports and agents for public figures	<1	283	574	2,052
Museums, historical sites, zoos, and parks	<1	54	63	136
Amusement parks and arcades	<1	28	47	64
Gambling industries (except casino hotels)	<1	225	771	1,111
Other amusement and recreation industries	<1	202	180	309
Fitness and recreational sports centers	<1	192	238	434
Bowling centers	<1	39	57	101
Hotels and motels, including casino hotels	<1	103	295	422
Other accommodations	<1	21	25	35
Full-service restaurants	<1	3,245	4,801	10,252
Limited-service restaurants	<1	2,445	3,776	9,427
All other food and drinking places	<1	2,698	4,336	7,686
Automotive repair and maintenance, except car washes	<1	3,099	3,476	5,089
Car washes	<1	1,550	2,083	3,238
Electronic and precision equipment repair and maintenance	<1	483	641	1,090
Commercial and industrial machinery and equipment repair and maintenance	<1	1,459	1,688	2,562
Personal and household goods repair and maintenance	<1	262	486	704

## Appendix

Personal care services	<1	917	715	869
Death care services	<1	162	137	191
Dry-cleaning and laundry services	<1	567	452	573
Other personal services	<1	459	610	890
Religious organizations	<1	1,953	1,406	3,312
Grantmaking, giving, and social advocacy organizations	<1	619	2,360	3,352
Business and professional associations	<1	533	1,013	1,794
Labor and civic organizations	<1	294	1,084	1,940
Private households	<1	170	170	171
Postal service	<1	1,132	1,138	1,147
Federal electric utilities	<1	136	370	1,023
Other federal government enterprises	<1	104	-3,363	144
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	171	291	510
Local government passenger transit	<1	<1	<1	<1
Local government electric utilities	<1	9	25	76
Other local government enterprises	<1	2,073	4,900	12,172
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Ohio

## NASA

Table 730: Detailed NASA Impacts by Types of Impact, Ohio

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	9,357	832,122,416	1,298,603,821	2,412,465,455
Oilseed farming	16	1,996,190	5,348,204	9,690,191
Grain farming	29	1,268,977	2,224,743	8,360,628
Vegetable and melon farming	2	96,539	153,201	334,881
Fruit farming	<1	29,002	43,496	71,901
Tree nut farming	<1	180	292	512
Greenhouse, nursery, and floriculture production	5	157,393	245,181	581,165
Tobacco farming	<1	372	418	1,000
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	11	76,003	109,203	261,036
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	10	186,955	380,602	1,200,763
Dairy cattle and milk production	3	119,652	219,218	1,201,536
Poultry and egg production	4	96,576	204,934	2,110,969
Animal production, except cattle and poultry and eggs	26	866,732	2,182,744	3,067,588
Forestry, forest products, and timber tract production	<1	31,868	34,787	43,875
Commercial logging	2	285,862	287,089	387,862
Commercial fishing	<1	1,994	27,689	27,912
Commercial hunting and trapping	<1	2,683	27,337	34,557
Support activities for agriculture and forestry	11	416,016	436,691	493,473
Oil and gas extraction	6	-87,655	3,646,885	8,436,947
Coal mining	<1	15,573	46,914	78,009
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	18,679	40,164	82,537
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	2	149,760	540,183	889,730
Sand and gravel mining	1	125,957	241,496	421,882

## Appendix

Other clay, ceramic, refractory minerals mining	<1	2,892	5,678	9,621
Potash, soda, and borate mineral mining	<1	6,636	10,489	18,184
Phosphate rock mining	<1	2,438	4,759	8,431
Other chemical and fertilizer mineral mining	<1	1,125	1,820	3,274
Other nonmetallic minerals	<1	5,822	10,870	19,427
Drilling oil and gas wells	<1	15	197	370
Support activities for oil and gas operations	<1	4,269	10,848	21,967
Metal mining services	<1	-636	33,577	90,694
Other nonmetallic minerals services	<1	172	4,998	13,739
Electric power generation - Hydroelectric	<1	21,815	57,050	102,353
Electric power generation - Fossil fuel	5	951,561	4,006,220	8,769,138
Electric power generation - Nuclear	3	700,567	1,553,394	2,947,627
Electric power generation - Solar	<1	33,340	84,166	147,107
Electric power generation - Wind	<1	29,354	281,086	484,955
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,184	10,461	25,031
Electric power generation - All other	<1	23,800	3,593	12,503
Electric power transmission and distribution	14	2,669,781	10,586,042	22,652,377
Natural gas distribution	7	1,295,596	5,107,199	9,635,248
Water, sewage and other systems	6	570,246	1,346,492	2,332,333
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	416	31,809,360	31,689,447	64,002,312
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	23	1,664,543	2,154,940	5,675,659
Maintenance and repair construction of residential structures	14	891,517	1,176,629	2,882,591
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	901	1,190	3,077
Dog and cat food manufacturing	1	119,544	407,931	1,201,297
Other animal food manufacturing	2	132,054	312,797	2,107,471
Flour milling	<1	45,071	113,905	632,783
Rice milling	0	0	0	0
Malt manufacturing	<1	5,258	10,199	51,043
Wet corn milling	<1	89,828	251,259	1,135,488
Soybean and other oilseed processing	<1	46,422	374,453	2,537,299
Fats and oils refining and blending	<1	13,546	44,882	340,941
Breakfast cereal manufacturing	2	197,814	555,696	1,562,711
Beet sugar manufacturing	<1	47,818	108,495	429,439
Sugar cane mills and refining	<1	1,995	6,855	35,510
Nonchocolate confectionery manufacturing	<1	44,461	72,659	303,197
Chocolate and confectionery manufacturing from cacao beans	<1	7,588	12,671	35,159
Confectionery manufacturing from purchased chocolate	<1	34,045	57,398	323,872
Frozen fruits, juices and vegetables manufacturing	<1	12,726	31,206	101,016
Frozen specialties manufacturing	3	252,065	374,079	1,365,304
Canned fruits and vegetables manufacturing	2	188,909	407,304	1,171,620
Canned specialties	2	125,220	330,837	1,267,326
Dehydrated food products manufacturing	<1	6,255	13,019	43,596
Cheese manufacturing	2	109,732	188,042	1,651,438
Dry, condensed, and evaporated dairy product manufacturing	2	213,630	580,016	2,170,653
Fluid milk manufacturing	2	141,259	264,866	1,408,940
Creamery butter manufacturing	<1	7,227	31,008	158,183
Ice cream and frozen dessert manufacturing	<1	45,709	73,992	278,092

## Appendix

Frozen cakes and other pastries manufacturing	4	141,968	226,362	410,193
Poultry processing	3	169,347	236,104	1,080,429
Animal, except poultry, slaughtering	2	101,784	155,030	1,299,878
Meat processed from carcasses	7	588,648	635,517	4,294,214
Rendering and meat byproduct processing	<1	16,137	19,656	113,133
Seafood product preparation and packaging	<1	2,360	3,706	15,167
Bread and bakery product, except frozen, manufacturing	9	359,110	577,651	1,466,851
Cookie and cracker manufacturing	3	220,552	349,723	1,105,372
Dry pasta, mixes, and dough manufacturing	1	77,984	207,991	711,040
Tortilla manufacturing	<1	1,771	2,698	10,625
Roasted nuts and peanut butter manufacturing	<1	66,716	207,723	619,581
Other snack food manufacturing	2	126,425	381,768	1,299,865
Coffee and tea manufacturing	<1	5,669	12,507	69,751
Flavoring syrup and concentrate manufacturing	<1	39,117	352,872	717,383
Mayonnaise, dressing, and sauce manufacturing	<1	36,257	78,906	307,609
Spice and extract manufacturing	<1	63,793	118,955	447,367
All other food manufacturing	3	176,833	282,410	1,200,732
Bottled and canned soft drinks & water	3	271,283	565,917	2,295,559
Manufactured ice	<1	10,183	8,170	32,605
Breweries	3	212,877	683,506	1,442,859
Wineries	2	59,892	173,244	670,538
Distilleries	<1	20,068	285,480	441,343
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	780	994	7,674
Broadwoven fabric mills	<1	14,280	17,565	60,692
Narrow fabric mills and schiffli machine embroidery	<1	6,001	6,405	19,514
Nonwoven fabric mills	<1	45,400	57,516	295,773
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	53,973	61,512	204,499
Fabric coating mills	<1	15,463	17,142	58,226
Carpet and rug mills	<1	12,380	15,978	71,587
Curtain and linen mills	<1	19,508	22,010	74,446
Textile bag and canvas mills	<1	27,894	31,854	102,426
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,207	3,909	13,427

## Appendix

Other textile product mills	<1	15,564	17,209	60,161
Hosiery and sock mills	<1	2,364	3,595	6,843
Other apparel knitting mills	<1	2,615	3,939	7,843
Cut and sew apparel contractors	<1	4,827	6,200	11,862
Men's and boys' cut and sew apparel manufacturing	<1	17,146	22,429	56,353
Women's and girls' cut and sew apparel manufacturing	<1	19,308	35,127	114,391
Other cut and sew apparel manufacturing	<1	9,274	13,754	37,195
Apparel accessories and other apparel manufacturing	<1	3,991	6,293	14,833
Leather and hide tanning and finishing	<1	1,811	3,545	11,452
Footwear manufacturing	<1	866	979	2,637
Other leather and allied product manufacturing	<1	17,064	20,744	52,913
Sawmills	2	179,671	255,514	1,110,324
Wood preservation	<1	12,950	24,347	129,067
Veneer and plywood manufacturing	1	77,278	100,988	403,223
Engineered wood member and truss manufacturing	<1	77,592	100,902	369,031
Reconstituted wood product manufacturing	<1	21,923	42,555	229,298
Wood windows and door manufacturing	3	253,614	294,277	893,602
Cut stock, resawing lumber, and planing	<1	57,076	87,748	305,754
Other millwork, including flooring	2	137,204	178,272	577,926
Wood container and pallet manufacturing	2	140,489	165,385	495,105
Manufactured home (mobile home) manufacturing	<1	331	394	1,157
Prefabricated wood building manufacturing	<1	78,158	101,338	332,601
All other miscellaneous wood product manufacturing	<1	47,726	56,871	210,035
Pulp mills	<1	218	286	1,926
Paper mills	2	232,503	392,481	1,686,361
Paperboard mills	<1	53,672	90,315	399,153
Paperboard container manufacturing	6	458,358	616,233	3,098,181
Paper bag and coated and treated paper manufacturing	3	396,891	533,294	1,778,834
Stationery product manufacturing	<1	30,163	36,076	160,752

## Appendix

Sanitary paper product manufacturing	1	94,116	217,033	933,399
All other converted paper product manufacturing	<1	82,034	117,929	406,888
Printing	21	1,378,133	2,104,166	4,196,485
Support activities for printing	<1	72,699	108,681	163,129
Petroleum refineries	2	569,890	7,026,199	22,758,773
Asphalt paving mixture and block manufacturing	<1	74,662	127,263	434,741
Asphalt shingle and coating materials manufacturing	<1	61,064	289,718	570,760
Petroleum lubricating oil and grease manufacturing	2	433,679	1,507,396	3,011,335
All other petroleum and coal products manufacturing	<1	44,166	185,884	356,614
Petrochemical manufacturing	<1	32,490	519,215	1,526,266
Industrial gas manufacturing	2	258,453	827,017	2,197,979
Synthetic dye and pigment manufacturing	<1	78,429	180,488	488,405
Other basic inorganic chemical manufacturing	<1	73,876	194,098	536,084
Other basic organic chemical manufacturing	2	228,784	669,472	3,672,478
Plastics material and resin manufacturing	1	218,402	457,175	2,401,536
Synthetic rubber manufacturing	<1	28,036	45,530	222,311
Artificial and synthetic fibers and filaments manufacturing	<1	7,151	11,617	50,269
Nitrogenous fertilizer manufacturing	<1	175,786	747,188	1,356,160
Phosphatic fertilizer manufacturing	<1	983	3,337	13,069
Fertilizer mixing	<1	16,801	39,826	101,966
Pesticide and other agricultural chemical manufacturing	<1	1,910	8,543	37,306
Medicinal and botanical manufacturing	<1	13,039	24,428	83,595
Pharmaceutical preparation manufacturing	3	429,384	1,417,820	3,260,687
In-vitro diagnostic substance manufacturing	<1	5,425	9,209	26,227
Biological product (except diagnostic) manufacturing	<1	5,854	20,842	42,256
Paint and coating manufacturing	2	214,050	509,536	1,663,191
Adhesive manufacturing	1	119,152	221,867	814,068
Soap and other detergent manufacturing	3	728,560	2,327,741	4,367,214
Polish and other sanitation good manufacturing	1	136,405	260,607	682,901

## Appendix

Surface active agent manufacturing	<1	3,941	19,051	49,297
Toilet preparation manufacturing	2	159,890	596,311	1,424,501
Printing ink manufacturing	<1	31,894	37,193	157,044
Explosives manufacturing	<1	3,527	4,268	15,517
Custom compounding of purchased resins	<1	121,840	263,040	753,308
Photographic film and chemical manufacturing	<1	48,395	117,553	319,439
Other miscellaneous chemical product manufacturing	<1	112,250	206,845	754,927
Plastics packaging materials and unlaminated film and sheet manufacturing	2	204,078	323,698	1,277,097
Unlaminated plastics profile shape manufacturing	1	84,358	181,346	640,246
Plastics pipe and pipe fitting manufacturing	2	126,895	347,746	1,338,026
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	56,007	91,773	280,380
Polystyrene foam product manufacturing	1	83,201	145,005	522,884
Urethane and other foam product (except polystyrene) manufacturing	<1	69,443	116,222	448,916
Plastics bottle manufacturing	2	112,331	172,864	787,175
Other plastics product manufacturing	12	811,117	1,197,177	4,257,771
Tire manufacturing	3	327,035	417,452	1,387,706
Rubber and plastics hoses and belting manufacturing	<1	44,812	70,088	229,663
Other rubber product manufacturing	3	214,829	271,505	1,001,779
Pottery, ceramics, and plumbing fixture manufacturing	<1	51,669	81,457	197,417
Brick, tile, and other structural clay product manufacturing	1	101,626	169,351	400,861
Flat glass manufacturing	<1	35,598	68,424	166,774
Other pressed and blown glass and glassware manufacturing	1	85,059	139,951	341,045
Glass container manufacturing	<1	7,728	12,290	32,844
Glass product manufacturing made of purchased glass	1	82,120	145,601	390,611
Cement manufacturing	<1	63,609	142,755	415,719
Ready-mix concrete manufacturing	4	319,003	513,879	1,751,613
Concrete block and brick manufacturing	2	152,390	264,537	699,721
Concrete pipe manufacturing	<1	22,224	35,490	101,555



## Appendix

Other concrete product manufacturing	5	371,750	538,612	1,410,721
Lime manufacturing	<1	11,933	25,450	72,957
Gypsum product manufacturing	<1	27,533	76,774	223,757
Abrasive product manufacturing	<1	41,359	87,959	156,022
Cut stone and stone product manufacturing	1	84,821	109,941	256,249
Ground or treated mineral and earth manufacturing	<1	7,729	17,526	49,866
Mineral wool manufacturing	<1	73,704	191,854	419,083
Miscellaneous nonmetallic mineral products manufacturing	1	116,665	257,723	545,184
Iron and steel mills and ferroalloy manufacturing	2	359,391	920,525	4,782,075
Iron, steel pipe and tube manufacturing from purchased steel	<1	48,051	107,974	472,262
Rolled steel shape manufacturing	<1	99,626	341,306	1,300,244
Steel wire drawing	<1	26,924	55,042	250,029
Alumina refining and primary aluminum production	<1	34,061	59,467	422,632
Secondary smelting and alloying of aluminum	<1	7,799	15,923	158,364
Aluminum sheet, plate, and foil manufacturing	<1	43,372	93,263	373,234
Other aluminum rolling, drawing and extruding	<1	37,993	56,202	290,792
Nonferrous metal (exc aluminum) smelting and refining	<1	2,545	16,381	54,215
Copper rolling, drawing, extruding and alloying	1	125,711	263,669	2,018,206
Nonferrous metal, except copper and aluminum, shaping	<1	22,857	28,087	101,406
Secondary processing of other nonferrous metals	<1	1,836	3,795	19,327
Ferrous metal foundries	<1	74,284	123,561	293,000
Nonferrous metal foundries	2	156,116	209,700	518,471
Custom roll forming	<1	8,051	12,600	67,245
Crown and closure manufacturing and metal stamping	1	110,807	153,238	461,430
Iron and steel forging	<1	52,972	78,023	254,180
Nonferrous forging	<1	15,733	21,273	54,978
Cutlery, utensil, pot, and pan manufacturing	<1	38,442	96,239	293,911
Handtool manufacturing	1	96,521	170,958	386,507
Prefabricated metal buildings and components manufacturing	3	214,674	350,779	1,281,597

## Appendix

Fabricated structural metal manufacturing	2	186,594	307,340	1,073,369
Plate work manufacturing	1	78,347	92,547	286,773
Metal window and door manufacturing	3	275,973	412,806	1,059,787
Sheet metal work manufacturing	1	107,539	158,315	466,173
Ornamental and architectural metal work manufacturing	2	136,741	175,272	464,972
Power boiler and heat exchanger manufacturing	<1	7,735	11,470	28,144
Metal tank (heavy gauge) manufacturing	2	170,192	218,487	622,366
Metal cans manufacturing	<1	84,392	179,956	861,301
Metal barrels, drums and pails manufacturing	<1	17,172	24,123	108,667
Hardware manufacturing	<1	37,074	60,161	217,458
Spring and wire product manufacturing	1	80,276	112,756	365,065
Machine shops	6	458,684	567,367	1,227,211
Turned product and screw, nut, and bolt manufacturing	2	124,038	168,643	474,212
Metal heat treating	<1	56,754	79,745	221,723
Metal coating and nonprecious engraving	1	108,588	214,070	553,361
Electroplating, anodizing, and coloring metal	2	144,854	161,399	361,627
Valve and fittings, other than plumbing, manufacturing	2	171,601	280,330	833,619
Plumbing fixture fitting and trim manufacturing	<1	49,940	134,986	412,193
Ball and roller bearing manufacturing	<1	27,547	48,788	122,260
Small arms ammunition manufacturing	1	54,848	142,909	375,058
Ammunition, except for small arms, manufacturing	<1	4,527	5,232	11,611
Small arms, ordnance, and accessories manufacturing	<1	21,602	51,966	141,976
Fabricated pipe and pipe fitting manufacturing	<1	36,963	49,340	148,774
Other fabricated metal manufacturing	3	253,562	360,148	1,004,976
Farm machinery and equipment manufacturing	<1	6,926	12,170	48,060
Lawn and garden equipment manufacturing	<1	8,835	14,910	74,655
Construction machinery manufacturing	<1	12,798	28,172	100,034
Mining machinery and equipment manufacturing	<1	451	612	2,036

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	1,035	1,280	4,115
Semiconductor machinery manufacturing	<1	174	207	804
Food product machinery manufacturing	<1	1,501	1,702	5,378
Sawmill, woodworking, and paper machinery	<1	1,721	1,958	6,556
Printing machinery and equipment manufacturing	<1	1,691	1,860	6,240
All other industrial machinery manufacturing	<1	6,100	7,495	21,923
Optical instrument and lens manufacturing	<1	15,721	22,391	66,612
Photographic and photocopying equipment manufacturing	<1	945	1,131	4,144
Other commercial service industry machinery manufacturing	<1	31,945	48,370	178,955
Air purification and ventilation equipment manufacturing	<1	20,942	26,306	72,645
Heating equipment (except warm air furnaces) manufacturing	<1	44,099	65,883	208,607
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	105,699	167,300	490,969
Industrial mold manufacturing	<1	14,192	16,635	36,021
Special tool, die, jig, and fixture manufacturing	<1	22,850	28,940	55,298
Cutting tool and machine tool accessory manufacturing	<1	15,018	17,135	42,320
Machine tool manufacturing	<1	7,497	9,213	27,104
Rolling mill and other metalworking machinery manufacturing	<1	6,413	8,191	20,283
Turbine and turbine generator set units manufacturing	<1	579	628	1,784
Speed changer, industrial high-speed drive, and gear manufacturing	<1	28,124	38,035	105,416
Mechanical power transmission equipment manufacturing	<1	15,866	21,492	57,544
Other engine equipment manufacturing	<1	77,308	152,927	685,311
Pump and pumping equipment manufacturing	<1	78,710	139,875	449,681
Air and gas compressor manufacturing	<1	40,636	54,975	153,882
Elevator and moving stairway manufacturing	<1	714	889	2,990

## Appendix

Conveyor and conveying equipment manufacturing	<1	8,311	9,326	28,037
Overhead cranes, hoists, and monorail systems manufacturing	<1	4,192	6,894	25,865
Industrial truck, trailer, and stacker manufacturing	<1	18,816	29,115	101,545
Power-driven handtool manufacturing	<1	2,940	7,401	23,344
Welding and soldering equipment manufacturing	<1	23,458	33,264	89,803
Packaging machinery manufacturing	<1	6,133	8,596	25,194
Industrial process furnace and oven manufacturing	<1	4,105	4,857	11,472
Fluid power cylinder and actuator manufacturing	<1	22,290	29,902	86,113
Fluid power pump and motor manufacturing	<1	4,456	6,794	23,036
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7,261	8,629	22,897
Electronic computer manufacturing	<1	875	1,046	6,539
Computer storage device manufacturing	<1	265	328	3,676
Computer terminals and other computer peripheral equipment manufacturing	<1	31,288	36,689	154,106
Telephone apparatus manufacturing	<1	193	245	1,482
Broadcast and wireless communications equipment manufacturing	<1	1,552	1,665	5,829
Other communications equipment manufacturing	<1	7,029	7,989	31,443
Audio and video equipment manufacturing	<1	836	1,050	11,617
Printed circuit assembly (electronic assembly) manufacturing	2	116,595	131,589	859,901
Bare printed circuit board manufacturing	<1	8,614	9,280	32,601
Semiconductor and related device manufacturing	2	181,110	215,840	1,320,700
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	7,720	8,039	29,057
Electronic connector manufacturing	<1	38,070	40,163	172,938
Other electronic component manufacturing	1	79,201	83,890	329,028

Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	5,208	5,850	21,484
Search, detection, and navigation instruments manufacturing	17	2,004,035	2,426,277	7,859,134
Automatic environmental control manufacturing	1	121,311	131,341	363,683
Industrial process variable instruments manufacturing	<1	21,608	23,419	70,263
Totalizing fluid meter and counting device manufacturing	<1	2,550	3,127	9,993
Electricity and signal testing instruments manufacturing	<1	9,953	10,707	44,742
Analytical laboratory instrument manufacturing	3	251,871	307,601	1,076,250
Irradiation apparatus manufacturing	<1	651	725	3,990
Watch, clock, and other measuring and controlling device manufacturing	<1	8,055	8,850	36,960
Blank magnetic and optical recording media manufacturing	<1	1,445	2,659	30,768
Software and other prerecorded and record reproducing	<1	3,437	4,056	18,143
Electric lamp bulb and part manufacturing	<1	30,048	54,053	98,919
Lighting fixture manufacturing	1	132,407	186,924	514,537
Small electrical appliance manufacturing	1	76,855	195,533	671,231
Household cooking appliance manufacturing	1	65,148	193,027	628,710
Household refrigerator and home freezer manufacturing	1	81,840	222,659	680,978
Household laundry equipment manufacturing	3	249,557	481,785	1,904,076
Other major household appliance manufacturing	<1	41,413	130,531	357,233
Power, distribution, and specialty transformer manufacturing	<1	2,778	4,283	10,501
Motor and generator manufacturing	<1	21,942	46,811	134,169
Switchgear and switchboard apparatus manufacturing	<1	17,772	37,877	118,801
Relay and industrial control manufacturing	<1	98,579	143,618	335,632
Storage battery manufacturing	1	89,002	162,193	440,430
Primary battery manufacturing	<1	19,663	161,576	153,334
Fiber optic cable manufacturing	<1	25,526	41,989	147,935

## Appendix

Other communication and energy wire manufacturing	<1	12,395	26,370	110,650
Wiring device manufacturing	<1	67,051	162,594	393,691
Carbon and graphite product manufacturing	<1	113,444	190,327	505,376
All other miscellaneous electrical equipment and component manufacturing	<1	25,802	31,196	91,700
Automobile manufacturing	2	200,878	301,182	2,553,647
Light truck and utility vehicle manufacturing	<1	41,284	63,604	783,873
Heavy duty truck manufacturing	<1	23,728	34,541	223,056
Motor vehicle body manufacturing	<1	9,926	11,130	51,062
Truck trailer manufacturing	<1	440	466	2,203
Motor home manufacturing	2	151,052	199,372	848,773
Travel trailer and camper manufacturing	2	229,227	247,212	1,130,798
Motor vehicle gasoline engine and engine parts manufacturing	3	335,528	406,627	2,356,475
Motor vehicle electrical and electronic equipment manufacturing	2	189,061	209,909	1,154,609
Motor vehicle transmission and power train parts manufacturing	8	869,399	1,005,025	4,758,668
Motor vehicle seating and interior trim manufacturing	<1	53,433	56,716	347,662
Motor vehicle metal stamping	3	246,659	268,842	1,115,941
Other motor vehicle parts manufacturing	5	422,161	467,904	2,708,808
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	2	224,934	262,852	1,367,040
Aircraft manufacturing	<1	26	48	160
Aircraft engine and engine parts manufacturing	<1	38,740	103,068	195,632
Other aircraft parts and auxiliary equipment manufacturing	1	178,858	263,527	473,292
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	22	33	53
Railroad rolling stock manufacturing	<1	170	193	1,004
Ship building and repairing	<1	370	557	1,249
Boat building	<1	5,033	8,341	30,583
Motorcycle, bicycle, and parts manufacturing	<1	14,909	58,566	117,092

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	68,429	175,226	422,718
All other transportation equipment manufacturing	<1	7,496	17,761	66,093
Wood kitchen cabinet and countertop manufacturing	2	128,142	131,274	366,550
Upholstered household furniture manufacturing	<1	23,507	24,323	93,818
Nonupholstered wood household furniture manufacturing	2	94,448	96,358	288,303
Other household nonupholstered furniture manufacturing	<1	23,655	26,753	136,867
Institutional furniture manufacturing	<1	10,232	10,400	28,899
Wood office furniture manufacturing	<1	3,073	3,133	10,005
Custom architectural woodwork and millwork	<1	4,305	4,022	11,454
Office furniture, except wood, manufacturing	<1	2,913	2,818	14,748
Showcase, partition, shelving, and locker manufacturing	<1	12,442	12,621	42,401
Mattress manufacturing	<1	24,499	27,258	150,439
Blind and shade manufacturing	<1	2,003	2,001	5,635
Surgical and medical instrument manufacturing	<1	29,848	38,243	82,345
Surgical appliance and supplies manufacturing	1	130,552	196,967	526,818
Dental equipment and supplies manufacturing	<1	8,487	10,626	26,846
Ophthalmic goods manufacturing	<1	45,738	65,199	138,977
Dental laboratories	<1	39,212	41,982	76,645
Jewelry and silverware manufacturing	<1	55,899	88,176	225,765
Sporting and athletic goods manufacturing	1	102,045	129,693	424,688
Doll, toy, and game manufacturing	<1	53,823	74,351	293,476
Office supplies (except paper) manufacturing	<1	32,709	43,801	130,877
Sign manufacturing	1	91,584	85,126	198,113
Gasket, packing, and sealing device manufacturing	<1	33,388	36,366	89,618
Musical instrument manufacturing	<1	14,651	15,245	36,363
Fasteners, buttons, needles, and pins manufacturing	<1	4,759	5,017	11,208

## Appendix

Broom, brush, and mop manufacturing	<1	42,203	48,566	145,088
Burial casket manufacturing	<1	9,703	12,817	29,587
All other miscellaneous manufacturing	<1	76,315	96,512	273,796
Wholesale - Motor vehicle and motor vehicle parts and supplies	7	596,575	1,225,751	2,943,118
Wholesale - Professional and commercial equipment and supplies	26	3,105,082	4,764,918	8,860,497
Wholesale - Household appliances and electrical and electronic goods	12	1,270,767	2,951,079	6,923,886
Wholesale - Machinery, equipment, and supplies	16	1,575,053	2,826,900	5,392,144
Wholesale - Other durable goods merchant wholesalers	33	2,911,444	5,151,079	11,259,907
Wholesale - Drugs and druggists'sundries	11	1,833,446	4,247,120	9,788,047
Wholesale - Grocery and related product wholesalers	22	1,924,867	2,832,428	5,759,716
Wholesale - Petroleum and petroleum products	3	385,853	4,563,043	5,596,942
Wholesale - Other nondurable goods merchant wholesalers	34	3,370,225	7,141,956	13,649,660
Wholesale - Wholesale electronic markets and agents and brokers	16	2,049,331	2,309,881	2,746,899
Retail - Motor vehicle and parts dealers	32	2,409,388	3,635,727	5,061,277
Retail - Furniture and home furnishings stores	21	1,120,810	1,577,857	2,593,239
Retail - Electronics and appliance stores	20	1,172,553	1,146,008	1,923,946
Retail - Building material and garden equipment and supplies stores	43	2,022,668	4,329,125	6,166,909
Retail - Food and beverage stores	92	3,298,384	5,027,496	8,312,809
Retail - Health and personal care stores	44	2,123,948	2,842,053	4,311,425
Retail - Gasoline stores	30	1,208,134	2,849,674	5,237,791
Retail - Clothing and clothing accessories stores	41	2,186,717	3,386,838	5,972,257
Retail - Sporting goods, hobby, musical instrument and book stores	31	1,027,200	1,430,721	2,365,869
Retail - General merchandise stores	88	3,199,903	5,581,918	9,165,371
Retail - Miscellaneous store retailers	72	2,249,206	2,493,132	4,141,749
Retail - Nonstore retailers	80	1,914,772	11,386,360	18,526,773
Air transportation	12	1,866,049	2,641,695	5,616,477



## Appendix

Rail transportation	3	469,258	1,294,602	2,355,726
Water transportation	<1	91,634	152,070	695,803
Truck transportation	72	5,758,245	8,417,011	17,174,356
Transit and ground passenger transportation	45	762,477	953,503	1,696,157
Pipeline transportation	2	2,363,286	1,784,605	2,787,329
Scenic and sightseeing transportation and support activities for transportation	26	3,635,457	3,045,252	4,088,427
Couriers and messengers	85	1,837,860	2,795,600	3,847,876
Warehousing and storage	71	4,006,827	4,310,099	7,916,636
Newspaper publishers	5	383,614	687,881	963,317
Periodical publishers	4	405,740	616,597	1,037,496
Book publishers	2	250,496	738,449	1,452,483
Directory, mailing list, and other publishers	1	110,070	299,744	526,147
Greeting card publishing	<1	18,309	69,285	115,779
Software publishers	91	15,392,655	34,159,889	44,345,596
Motion picture and video industries	8	360,866	719,489	2,018,061
Sound recording industries	<1	33,992	308,637	577,492
Radio and television broadcasting	9	1,962,474	2,565,051	6,194,857
Cable and other subscription programming	3	547,060	2,264,412	5,927,968
Wired telecommunications carriers	17	1,605,912	3,498,376	7,137,281
Wireless telecommunications carriers (except satellite)	2	148,523	1,122,669	3,213,682
Satellite, telecommunications resellers, and all other telecommunications	3	377,805	463,053	1,158,773
Data processing, hosting, and related services	19	2,242,563	3,888,681	12,183,399
News syndicates, libraries, archives and all other information services	2	203,124	292,476	748,353
Internet publishing and broadcasting and web search portals	11	1,278,351	2,994,794	14,288,620
Nondepository credit intermediation and related activities	33	3,505,487	3,923,727	6,176,674
Securities and commodity contracts intermediation and brokerage	62	4,099,428	3,094,606	7,201,624
Monetary authorities and depository credit intermediation	48	5,042,400	43,465,404	48,355,862

## Appendix

Other financial investment activities	61	3,508,210	4,028,784	11,134,258
Direct life insurance carriers	14	1,689,050	3,891,764	5,265,913
Insurance carriers, except direct life	42	4,576,883	17,728,756	31,640,290
Insurance agencies, brokerages, and related activities	34	2,965,638	5,478,721	11,995,381
Funds, trusts, and other financial vehicles	25	780,952	1,000,255	5,321,090
Other real estate	268	4,119,449	21,554,719	55,130,199
Tenant-occupied housing	41	592,846	10,837,482	11,855,780
Owner-occupied dwellings	0	0	47,164,224	56,919,408
Automotive equipment rental and leasing	11	796,020	2,577,849	3,375,733
General and consumer goods rental except video tapes and discs	10	594,288	1,034,212	1,574,026
Video tape and disc rental	3	200,987	335,955	539,383
Commercial and industrial machinery and equipment rental and leasing	10	844,868	2,273,822	3,040,032
Lessors of nonfinancial intangible assets	1	90,105	1,814,438	1,977,949
Legal services	77	7,298,308	12,689,759	17,780,132
Accounting, tax preparation, bookkeeping, and payroll services	55	4,927,487	5,981,564	9,379,261
Architectural, engineering, and related services	94	8,343,962	9,005,113	16,645,488
Specialized design services	7	712,569	1,099,388	1,882,904
Custom computer programming services	28	2,926,934	2,989,901	4,213,714
Computer systems design services	21	2,206,696	2,006,648	2,634,474
Other computer related services, including facilities management	9	871,886	1,069,458	2,184,244
Management consulting services	320	32,227,062	33,087,851	53,269,398
Environmental and other technical consulting services	11	1,017,271	1,110,310	1,836,462
Scientific research and development services	901	84,185,069	107,698,194	217,085,856
Advertising, public relations, and related services	36	2,911,773	4,187,481	9,614,162
Photographic services	3	154,866	346,420	777,968
Veterinary services	10	580,067	640,371	1,011,859
Marketing research and all other miscellaneous professional, scientific, and technical services	90	8,253,258	13,707,716	28,869,902
Management of companies and enterprises	159	23,970,000	27,248,237	42,114,716

## Appendix

Office administrative services	56	4,135,869	1,756,434	4,580,323
Facilities support services	7	417,369	578,631	1,360,468
Employment services	293	14,042,708	19,797,312	33,907,456
Business support services	39	2,221,782	1,981,220	3,432,562
Travel arrangement and reservation services	6	319,981	531,684	1,740,923
Investigation and security services	33	1,398,907	1,463,794	2,146,510
Services to buildings	74	2,659,114	3,955,203	8,317,733
Landscape and horticultural services	34	1,626,448	2,084,532	3,856,011
Other support services	17	975,507	1,286,646	2,628,117
Waste management and remediation services	16	1,332,707	2,279,704	4,585,973
Elementary and secondary schools	51	2,151,418	1,734,204	2,205,242
Junior colleges, colleges, universities, and professional schools	68	3,281,462	4,090,750	5,687,110
Other educational services	34	1,458,271	1,607,957	3,264,161
Offices of physicians	134	16,494,110	16,575,958	23,167,354
Offices of dentists	39	2,700,808	3,367,416	4,546,946
Offices of other health practitioners	39	2,157,393	3,561,132	4,531,058
Outpatient care centers	47	3,223,410	3,195,893	5,257,094
Medical and diagnostic laboratories	17	1,406,605	2,557,314	3,408,799
Home health care services	62	2,796,118	2,790,153	3,718,531
Other ambulatory health care services	15	909,074	1,114,998	1,741,280
Hospitals	293	26,262,470	31,253,328	58,591,363
Nursing and community care facilities	74	3,695,256	4,040,041	6,616,105
Residential mental retardation, mental health, substance abuse and other facilities	36	1,872,450	1,923,819	2,899,158
Individual and family services	124	4,712,680	4,143,380	5,678,270
Child day care services	49	1,676,769	2,468,524	3,273,754
Community food, housing, and other relief services, including rehabilitation services	31	1,154,146	1,076,055	2,489,235
Performing arts companies	9	291,947	604,395	996,263
Commercial Sports Except Racing	28	1,467,504	1,357,598	2,001,214
Racing and Track Operation	2	60,641	104,417	190,026
Independent artists, writers, and performers	5	151,148	569,498	770,500

## Appendix

Promoters of performing arts and sports and agents for public figures	18	608,468	1,937,222	3,403,077
Museums, historical sites, zoos, and parks	7	340,172	424,654	757,226
Amusement parks and arcades	4	182,709	255,368	311,942
Gambling industries (except casino hotels)	15	670,036	2,298,573	2,967,282
Other amusement and recreation industries	28	901,399	771,692	1,154,619
Fitness and recreational sports centers	18	513,224	592,559	936,997
Bowling centers	4	117,273	147,346	253,864
Hotels and motels, including casino hotels	14	556,161	1,072,182	1,675,126
Other accommodations	5	241,272	294,907	385,964
Full-service restaurants	209	6,370,028	9,658,269	19,004,751
Limited-service restaurants	185	4,766,394	7,526,435	18,132,479
All other food and drinking places	120	3,926,286	5,483,923	9,201,976
Automotive repair and maintenance, except car washes	64	4,307,442	5,133,332	7,167,325
Car washes	32	2,141,112	3,256,507	4,705,967
Electronic and precision equipment repair and maintenance	243	19,945,977	25,349,520	40,002,933
Commercial and industrial machinery and equipment repair and maintenance	24	2,128,443	2,341,334	3,485,854
Personal and household goods repair and maintenance	9	470,390	949,043	1,307,604
Personal care services	40	1,225,492	846,989	1,034,977
Death care services	11	393,623	302,963	414,995
Dry-cleaning and laundry services	24	849,503	610,324	769,411
Other personal services	29	933,879	1,198,595	1,714,142
Religious organizations	133	5,774,766	3,379,978	11,337,494
Grantmaking, giving, and social advocacy organizations	16	1,054,060	3,496,934	4,913,765
Business and professional associations	9	761,289	1,318,177	2,148,143
Labor and civic organizations	35	867,421	2,806,193	5,151,117
Private households	23	383,949	383,949	383,949
Postal service	23	2,306,582	2,318,751	2,319,604
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	30,017	-96,579	22,221
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	6	866,713	1,108,074	1,960,192
Local government passenger transit	7	629,307	36,100	237,545
Local government electric utilities	1	142,829	368,629	845,646
Other local government enterprises	19	1,891,388	3,126,076	7,981,145
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1,535	278,671,726	393,679,365	719,066,329

## Moon to Mars Campaign

**Table 731: Detailed M2M Campaign Impacts by Types of Impact, Ohio**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,462</i>	<i>140,226,001</i>	<i>218,784,650</i>	<i>406,102,169</i>
Oilseed farming	4	361,271	1,098,153	2,036,966
Grain farming	5	196,320	435,313	1,327,100
Vegetable and melon farming	<1	16,226	26,879	57,152
Fruit farming	<1	5,847	8,926	14,148
Tree nut farming	<1	39	71	124
Greenhouse, nursery, and floriculture production	<1	23,602	38,382	87,698
Tobacco farming	<1	116	133	331

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	9,790	14,746	34,402
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	25,369	59,564	170,639
Dairy cattle and milk production	<1	21,593	43,269	215,717
Poultry and egg production	<1	13,464	30,486	289,102
Animal production, except cattle and poultry and eggs	4	119,724	345,092	474,865
Forestry, forest products, and timber tract production	<1	4,779	5,245	6,475
Commercial logging	<1	20,982	22,189	28,735
Commercial fishing	<1	1,684	4,433	4,433
Commercial hunting and trapping	<1	595	4,294	5,235
Support activities for agriculture and forestry	2	64,110	68,181	76,962
Oil and gas extraction	<1	-7,294	323,689	856,511
Coal mining	<1	837	2,587	4,318
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	1,681	3,546	6,950
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	8,630	30,550	50,257
Sand and gravel mining	<1	6,542	12,460	21,338
Other clay, ceramic, refractory minerals mining	<1	210	413	698
Potash, soda, and borate mineral mining	<1	917	1,435	2,441
Phosphate rock mining	<1	359	693	1,202
Other chemical and fertilizer mineral mining	<1	172	277	485
Other nonmetallic minerals	<1	747	1,389	2,454
Drilling oil and gas wells	<1	2	23	43
Support activities for oil and gas operations	<1	368	942	1,955
Metal mining services	<1	-70	4,048	11,103
Other nonmetallic minerals services	<1	8	269	754
Electric power generation - Hydroelectric	<1	2,285	5,822	10,177

## Appendix

Electric power generation - Fossil fuel	<1	91,271	353,880	767,332
Electric power generation - Nuclear	<1	68,255	152,585	286,878
Electric power generation - Solar	<1	3,294	8,191	14,011
Electric power generation - Wind	<1	1,721	16,015	27,166
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	331	1,077	2,614
Electric power generation - All other	<1	2,341	252	1,011
Electric power transmission and distribution	1	252,119	962,190	2,039,529
Natural gas distribution	1	226,474	864,328	1,591,956
Water, sewage and other systems	<1	18,273	40,511	66,523
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	3	198,062	196,977	400,031
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	254,267	340,660	866,125
Maintenance and repair construction of residential structures	2	144,757	197,276	467,415
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	149	204	511
Dog and cat food manufacturing	<1	18,665	64,738	186,666
Other animal food manufacturing	<1	20,292	49,904	327,686
Flour milling	<1	6,025	15,322	86,566

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	934	1,906	9,874
Wet corn milling	<1	11,557	34,385	144,330
Soybean and other oilseed processing	<1	7,513	59,820	413,184
Fats and oils refining and blending	<1	2,039	6,692	53,825
Breakfast cereal manufacturing	<1	34,791	95,037	268,544
Beet sugar manufacturing	<1	11,369	24,522	99,052
Sugar cane mills and refining	<1	370	1,351	6,558
Nonchocolate confectionery manufacturing	<1	8,045	13,102	52,321
Chocolate and confectionery manufacturing from cacao beans	<1	2,242	3,769	10,079
Confectionery manufacturing from purchased chocolate	<1	5,674	9,772	54,880
Frozen fruits, juices and vegetables manufacturing	<1	2,153	5,485	16,564
Frozen specialties manufacturing	<1	39,967	58,889	215,465
Canned fruits and vegetables manufacturing	<1	35,084	76,824	222,569
Canned specialties	<1	18,466	48,961	187,664
Dehydrated food products manufacturing	<1	1,489	3,055	10,224
Cheese manufacturing	<1	25,386	43,035	381,801
Dry, condensed, and evaporated dairy product manufacturing	<1	33,201	89,964	336,531
Fluid milk manufacturing	<1	25,525	49,358	255,871
Creamery butter manufacturing	<1	1,174	4,876	25,468
Ice cream and frozen dessert manufacturing	<1	7,768	12,805	46,409
Frozen cakes and other pastries manufacturing	<1	23,493	37,583	66,970
Poultry processing	<1	21,964	31,279	144,105
Animal, except poultry, slaughtering	<1	14,565	22,449	191,311
Meat processed from carcasses	1	94,108	102,338	693,811
Rendering and meat byproduct processing	<1	2,526	3,116	18,183
Seafood product preparation and packaging	<1	354	575	2,222
Bread and bakery product, except frozen, manufacturing	1	58,551	95,108	240,041
Cookie and cracker manufacturing	<1	38,719	63,546	187,406
Dry pasta, mixes, and dough manufacturing	<1	14,343	38,403	134,733
Tortilla manufacturing	<1	266	404	1,588



## Appendix

Roasted nuts and peanut butter manufacturing	<1	11,857	38,106	109,347
Other snack food manufacturing	<1	20,611	61,943	207,180
Coffee and tea manufacturing	<1	945	2,148	11,794
Flavoring syrup and concentrate manufacturing	<1	6,935	63,434	127,618
Mayonnaise, dressing, and sauce manufacturing	<1	5,836	12,613	49,741
Spice and extract manufacturing	<1	12,248	23,416	87,703
All other food manufacturing	<1	33,703	54,320	231,274
Bottled and canned soft drinks & water	<1	39,929	84,648	342,865
Manufactured ice	<1	1,652	1,354	5,043
Breweries	<1	35,466	118,751	248,155
Wineries	<1	13,626	39,091	143,785
Distilleries	<1	2,897	45,064	67,752
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	108	144	1,065
Broadwoven fabric mills	<1	1,595	2,043	6,664
Narrow fabric mills and schiffli machine embroidery	<1	852	922	2,751
Nonwoven fabric mills	<1	8,578	11,977	55,265
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4,735	5,537	17,634
Fabric coating mills	<1	2,364	2,688	8,543
Carpet and rug mills	<1	1,700	2,307	9,406
Curtain and linen mills	<1	3,346	3,885	12,371
Textile bag and canvas mills	<1	4,452	5,246	16,115
Rope, cordage, twine, tire cord and tire fabric mills	<1	410	534	1,728
Other textile product mills	<1	2,443	2,772	9,234
Hosiery and sock mills	<1	415	647	1,116
Other apparel knitting mills	<1	414	644	1,181
Cut and sew apparel contractors	<1	995	1,279	2,330
Men's and boys' cut and sew apparel manufacturing	<1	3,844	5,127	11,637
Women's and girls' cut and sew apparel manufacturing	<1	4,347	8,603	23,415
Other cut and sew apparel manufacturing	<1	2,098	3,196	7,778
Apparel accessories and other apparel manufacturing	<1	789	1,297	2,682
Leather and hide tanning and finishing	<1	258	528	1,633
Footwear manufacturing	<1	139	159	398
Other leather and allied product manufacturing	<1	2,832	3,525	8,566

## Appendix

Sawmills	<1	10,843	15,731	68,080
Wood preservation	<1	735	1,429	7,500
Veneer and plywood manufacturing	<1	3,742	5,096	20,244
Engineered wood member and truss manufacturing	<1	3,897	5,185	18,869
Reconstituted wood product manufacturing	<1	1,004	2,058	10,433
Wood windows and door manufacturing	<1	23,660	27,512	83,093
Cut stock, resawing lumber, and planing	<1	4,221	6,539	23,178
Other millwork, including flooring	<1	11,305	14,682	47,081
Wood container and pallet manufacturing	<1	25,787	30,221	90,473
Manufactured home (mobile home) manufacturing	<1	8	10	29
Prefabricated wood building manufacturing	<1	2,027	2,709	8,835
All other miscellaneous wood product manufacturing	<1	7,587	8,910	31,092
Pulp mills	<1	22	28	193
Paper mills	<1	29,764	45,388	212,561
Paperboard mills	<1	6,128	9,964	45,633
Paperboard container manufacturing	<1	64,349	86,316	439,311
Paper bag and coated and treated paper manufacturing	<1	57,615	75,893	253,898
Stationery product manufacturing	<1	4,821	5,691	24,834
Sanitary paper product manufacturing	<1	12,879	29,148	129,771
All other converted paper product manufacturing	<1	12,985	18,373	65,241
Printing	3	217,244	338,002	653,792
Support activities for printing	<1	12,358	18,592	27,549
Petroleum refineries	<1	69,587	955,939	2,934,444
Asphalt paving mixture and block manufacturing	<1	4,382	7,619	25,846
Asphalt shingle and coating materials manufacturing	<1	3,654	19,107	35,700
Petroleum lubricating oil and grease manufacturing	<1	10,786	40,815	84,608
All other petroleum and coal products manufacturing	<1	4,077	17,274	32,228
Petrochemical manufacturing	<1	2,040	34,500	97,390
Industrial gas manufacturing	<1	9,636	36,788	93,929

## Appendix

Synthetic dye and pigment manufacturing	<1	10,491	25,465	70,158
Other basic inorganic chemical manufacturing	<1	8,387	23,843	63,899
Other basic organic chemical manufacturing	<1	27,170	83,640	451,359
Plastics material and resin manufacturing	<1	23,757	52,511	272,483
Synthetic rubber manufacturing	<1	9,607	15,724	77,121
Artificial and synthetic fibers and filaments manufacturing	<1	1,135	1,843	8,061
Nitrogenous fertilizer manufacturing	<1	19,699	89,907	152,145
Phosphatic fertilizer manufacturing	<1	102	362	1,392
Fertilizer mixing	<1	1,665	4,314	10,513
Pesticide and other agricultural chemical manufacturing	<1	265	1,276	5,466
Medicinal and botanical manufacturing	<1	3,684	7,282	22,214
Pharmaceutical preparation manufacturing	<1	80,720	306,626	645,497
In-vitro diagnostic substance manufacturing	<1	1,742	3,030	8,460
Biological product (except diagnostic) manufacturing	<1	1,596	5,970	11,327
Paint and coating manufacturing	<1	33,811	85,999	275,068
Adhesive manufacturing	<1	17,515	34,884	121,229
Soap and other detergent manufacturing	<1	116,299	406,654	702,579
Polish and other sanitation good manufacturing	<1	23,905	49,301	122,659
Surface active agent manufacturing	<1	596	3,022	7,511
Toilet preparation manufacturing	<1	28,294	119,103	268,657
Printing ink manufacturing	<1	5,888	6,837	29,167
Explosives manufacturing	<1	265	329	1,221
Custom compounding of purchased resins	<1	10,430	23,838	65,829
Photographic film and chemical manufacturing	<1	7,810	20,005	51,810
Other miscellaneous chemical product manufacturing	<1	14,993	28,996	105,560
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	34,178	54,630	211,294
Unlaminated plastics profile shape manufacturing	<1	16,561	36,220	122,730
Plastics pipe and pipe fitting manufacturing	<1	7,239	20,150	77,350

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	17,134	28,453	87,107
Polystyrene foam product manufacturing	<1	10,000	17,689	63,135
Urethane and other foam product (except polystyrene) manufacturing	<1	9,779	16,587	62,651
Plastics bottle manufacturing	<1	18,807	28,988	128,796
Other plastics product manufacturing	2	110,555	166,730	573,293
Tire manufacturing	<1	42,274	55,605	180,687
Rubber and plastics hoses and belting manufacturing	<1	6,055	9,559	31,735
Other rubber product manufacturing	<1	36,807	46,712	176,251
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,693	5,872	14,358
Brick, tile, and other structural clay product manufacturing	<1	5,223	8,542	20,472
Flat glass manufacturing	<1	2,450	4,678	11,345
Other pressed and blown glass and glassware manufacturing	<1	14,023	23,152	55,644
Glass container manufacturing	<1	1,242	1,983	5,318
Glass product manufacturing made of purchased glass	<1	11,978	20,705	56,229
Cement manufacturing	<1	2,845	6,158	18,427
Ready-mix concrete manufacturing	<1	13,969	22,042	75,967
Concrete block and brick manufacturing	<1	5,597	9,522	25,635
Concrete pipe manufacturing	<1	288	460	1,342
Other concrete product manufacturing	<1	8,852	12,736	33,732
Lime manufacturing	<1	1,130	2,294	6,810
Gypsum product manufacturing	<1	2,189	5,945	17,562
Abrasive product manufacturing	<1	5,267	10,900	19,557
Cut stone and stone product manufacturing	<1	6,245	7,970	19,120
Ground or treated mineral and earth manufacturing	<1	722	1,561	4,577
Mineral wool manufacturing	<1	4,305	10,653	23,424
Miscellaneous nonmetallic mineral products manufacturing	<1	2,332	4,979	10,458
Iron and steel mills and ferroalloy manufacturing	<1	33,261	85,989	445,693
Iron, steel pipe and tube manufacturing from purchased steel	<1	5,169	11,384	48,733

## Appendix

Rolled steel shape manufacturing	<1	8,434	29,297	114,190
Steel wire drawing	<1	1,921	3,860	17,752
Alumina refining and primary aluminum production	<1	7,299	12,699	90,360
Secondary smelting and alloying of aluminum	<1	1,430	2,895	28,560
Aluminum sheet, plate, and foil manufacturing	<1	6,399	13,853	56,274
Other aluminum rolling, drawing and extruding	<1	6,683	9,757	50,547
Nonferrous metal (exc aluminum) smelting and refining	<1	319	1,964	6,659
Copper rolling, drawing, extruding and alloying	<1	33,087	71,478	527,675
Nonferrous metal, except copper and aluminum, shaping	<1	7,185	8,812	31,783
Secondary processing of other nonferrous metals	<1	280	533	2,795
Ferrous metal foundries	<1	11,393	19,590	46,822
Nonferrous metal foundries	<1	28,553	38,282	94,551
Custom roll forming	<1	1,696	2,663	14,269
Crown and closure manufacturing and metal stamping	<1	19,464	26,951	80,212
Iron and steel forging	<1	10,122	14,945	48,556
Nonferrous forging	<1	3,164	4,291	11,142
Cutlery, utensil, pot, and pan manufacturing	<1	6,910	16,996	48,605
Handtool manufacturing	<1	13,980	24,939	56,179
Prefabricated metal buildings and components manufacturing	<1	3,091	4,893	18,515
Fabricated structural metal manufacturing	<1	11,633	19,096	67,085
Plate work manufacturing	<1	6,666	7,907	24,838
Metal window and door manufacturing	<1	17,686	26,519	67,151
Sheet metal work manufacturing	<1	34,541	50,199	146,275
Ornamental and architectural metal work manufacturing	<1	8,550	10,917	28,617
Power boiler and heat exchanger manufacturing	<1	708	1,052	2,593
Metal tank (heavy gauge) manufacturing	<1	5,759	7,460	20,349
Metal cans manufacturing	<1	13,372	28,580	136,044
Metal barrels, drums and pails manufacturing	<1	2,554	3,607	16,181
Hardware manufacturing	<1	4,728	7,643	26,457
Spring and wire product manufacturing	<1	7,116	10,011	32,267

## Appendix

Machine shops	<1	69,241	85,500	183,503
Turned product and screw, nut, and bolt manufacturing	<1	27,293	37,068	103,839
Metal heat treating	<1	8,243	11,629	32,394
Metal coating and nonprecious engraving	<1	15,187	30,048	77,553
Electroplating, anodizing, and coloring metal	<1	23,890	26,639	59,591
Valve and fittings, other than plumbing, manufacturing	<1	11,203	18,293	54,214
Plumbing fixture fitting and trim manufacturing	<1	3,824	10,227	31,304
Ball and roller bearing manufacturing	<1	4,982	8,743	21,794
Small arms ammunition manufacturing	<1	8,138	21,186	54,634
Ammunition, except for small arms, manufacturing	<1	533	616	1,351
Small arms, ordnance, and accessories manufacturing	<1	3,386	8,117	21,281
Fabricated pipe and pipe fitting manufacturing	<1	1,608	2,144	6,543
Other fabricated metal manufacturing	<1	42,284	59,697	166,319
Farm machinery and equipment manufacturing	<1	1,104	2,032	7,636
Lawn and garden equipment manufacturing	<1	1,274	2,169	10,634
Construction machinery manufacturing	<1	896	2,063	6,898
Mining machinery and equipment manufacturing	<1	40	54	180
Oil and gas field machinery and equipment manufacturing	<1	93	115	376
Semiconductor machinery manufacturing	<1	32	38	141
Food product machinery manufacturing	<1	199	224	705
Sawmill, woodworking, and paper machinery	<1	298	340	1,105
Printing machinery and equipment manufacturing	<1	223	245	836
All other industrial machinery manufacturing	<1	909	1,116	3,306
Optical instrument and lens manufacturing	<1	601	820	2,421
Photographic and photocopying equipment manufacturing	<1	159	191	687
Other commercial service industry machinery manufacturing	<1	1,605	2,451	8,887

## Appendix

Air purification and ventilation equipment manufacturing	<1	1,483	1,877	5,121
Heating equipment (except warm air furnaces) manufacturing	<1	5,087	7,652	23,106
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10,073	15,756	45,833
Industrial mold manufacturing	<1	2,230	2,622	5,599
Special tool, die, jig, and fixture manufacturing	<1	3,586	4,549	8,615
Cutting tool and machine tool accessory manufacturing	<1	3,376	3,866	9,511
Machine tool manufacturing	<1	1,224	1,514	4,400
Rolling mill and other metalworking machinery manufacturing	<1	915	1,171	2,872
Turbine and turbine generator set units manufacturing	<1	71	78	213
Speed changer, industrial high-speed drive, and gear manufacturing	<1	7,957	10,552	28,355
Mechanical power transmission equipment manufacturing	<1	2,479	3,363	9,006
Other engine equipment manufacturing	<1	8,530	16,656	73,757
Pump and pumping equipment manufacturing	<1	612	959	3,112
Air and gas compressor manufacturing	<1	451	581	1,732
Elevator and moving stairway manufacturing	<1	57	71	243
Conveyor and conveying equipment manufacturing	<1	1,192	1,343	4,004
Overhead cranes, hoists, and monorail systems manufacturing	<1	114	195	708
Industrial truck, trailer, and stacker manufacturing	<1	2,946	4,593	15,870
Power-driven handtool manufacturing	<1	731	1,721	5,509
Welding and soldering equipment manufacturing	<1	2,505	3,476	8,952
Packaging machinery manufacturing	<1	1,336	1,862	5,407
Industrial process furnace and oven manufacturing	<1	549	646	1,516
Fluid power cylinder and actuator manufacturing	<1	2,105	2,815	8,198
Fluid power pump and motor manufacturing	<1	706	1,064	3,478

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	883	1,044	2,746
Electronic computer manufacturing	<1	150	182	1,075
Computer storage device manufacturing	<1	60	77	850
Computer terminals and other computer peripheral equipment manufacturing	<1	15,651	17,876	77,886
Telephone apparatus manufacturing	<1	31	41	241
Broadcast and wireless communications equipment manufacturing	<1	452	484	1,691
Other communications equipment manufacturing	<1	990	1,144	4,543
Audio and video equipment manufacturing	<1	229	298	2,818
Printed circuit assembly (electronic assembly) manufacturing	<1	31,933	35,703	235,480
Bare printed circuit board manufacturing	<1	1,996	2,168	7,848
Semiconductor and related device manufacturing	<1	13,615	16,224	100,586
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,909	2,015	7,080
Electronic connector manufacturing	<1	8,115	8,631	37,044
Other electronic component manufacturing	<1	36,563	38,630	148,766
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,310	1,551	5,419
Search, detection, and navigation instruments manufacturing	24	3,166,985	4,147,534	12,229,236
Automatic environmental control manufacturing	<1	15,963	17,425	47,347
Industrial process variable instruments manufacturing	<1	7,062	7,493	22,873
Totalizing fluid meter and counting device manufacturing	<1	614	783	2,424
Electricity and signal testing instruments manufacturing	<1	13,113	14,282	57,380
Analytical laboratory instrument manufacturing	<1	31,887	39,355	135,613
Irradiation apparatus manufacturing	<1	659	783	4,023



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	2,288	2,568	9,817
Blank magnetic and optical recording media manufacturing	<1	370	667	7,180
Software and other prerecorded and record reproducing	<1	801	947	4,046
Electric lamp bulb and part manufacturing	<1	4,977	8,819	16,333
Lighting fixture manufacturing	<1	10,243	14,487	38,968
Small electrical appliance manufacturing	<1	10,869	27,140	91,332
Household cooking appliance manufacturing	<1	8,665	26,301	83,135
Household refrigerator and home freezer manufacturing	<1	10,772	29,996	89,191
Household laundry equipment manufacturing	<1	33,404	65,541	252,790
Other major household appliance manufacturing	<1	4,704	15,733	41,252
Power, distribution, and specialty transformer manufacturing	<1	517	781	1,909
Motor and generator manufacturing	<1	5,041	10,750	30,679
Switchgear and switchboard apparatus manufacturing	<1	2,364	5,043	15,607
Relay and industrial control manufacturing	<1	37,986	54,502	127,738
Storage battery manufacturing	<1	16,353	28,737	77,548
Primary battery manufacturing	<1	3,830	29,116	28,348
Fiber optic cable manufacturing	<1	6,885	11,184	38,430
Other communication and energy wire manufacturing	<1	1,774	3,895	15,760
Wiring device manufacturing	<1	8,322	20,550	49,193
Carbon and graphite product manufacturing	<1	11,844	19,628	52,535
All other miscellaneous electrical equipment and component manufacturing	<1	1,595	1,914	5,778
Automobile manufacturing	<1	29,840	40,740	350,075
Light truck and utility vehicle manufacturing	<1	5,979	8,501	105,245
Heavy duty truck manufacturing	<1	3,066	4,486	26,518
Motor vehicle body manufacturing	<1	1,385	1,544	7,327
Truck trailer manufacturing	<1	61	64	301
Motor home manufacturing	<1	15,509	20,708	85,831
Travel trailer and camper manufacturing	<1	28,384	30,344	140,328

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	45,378	54,490	317,494
Motor vehicle electrical and electronic equipment manufacturing	<1	27,468	30,626	162,380
Motor vehicle transmission and power train parts manufacturing	1	134,310	152,184	700,751
Motor vehicle seating and interior trim manufacturing	<1	6,323	6,725	40,889
Motor vehicle metal stamping	<1	28,053	30,971	127,024
Other motor vehicle parts manufacturing	<1	61,793	67,358	393,188
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	29,859	35,713	184,725
Aircraft manufacturing	<1	3	5	18
Aircraft engine and engine parts manufacturing	<1	4,408	11,557	21,822
Other aircraft parts and auxiliary equipment manufacturing	<1	2,539	3,602	7,061
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	3	4	7
Railroad rolling stock manufacturing	<1	32	36	188
Ship building and repairing	<1	67	97	222
Boat building	<1	626	1,027	3,765
Motorcycle, bicycle, and parts manufacturing	<1	2,002	7,064	14,855
Military armored vehicle, tank, and tank component manufacturing	<1	12,895	31,112	73,464
All other transportation equipment manufacturing	<1	883	2,008	7,568
Wood kitchen cabinet and countertop manufacturing	<1	13,374	13,585	37,599
Upholstered household furniture manufacturing	<1	4,284	4,443	17,274
Nonupholstered wood household furniture manufacturing	<1	15,531	15,905	46,580
Other household nonupholstered furniture manufacturing	<1	4,491	5,113	25,123
Institutional furniture manufacturing	<1	763	768	2,050
Wood office furniture manufacturing	<1	82	78	250

## Appendix

Custom architectural woodwork and millwork	<1	388	366	1,008
Office furniture, except wood, manufacturing	<1	203	186	1,003
Showcase, partition, shelving, and locker manufacturing	<1	1,789	1,773	5,917
Mattress manufacturing	<1	3,918	4,414	23,814
Blind and shade manufacturing	<1	313	314	878
Surgical and medical instrument manufacturing	<1	5,410	7,190	14,719
Surgical appliance and supplies manufacturing	<1	22,241	34,704	89,342
Dental equipment and supplies manufacturing	<1	485	666	1,541
Ophthalmic goods manufacturing	<1	6,863	9,957	21,063
Dental laboratories	<1	7,234	7,817	14,205
Jewelry and silverware manufacturing	<1	8,625	13,976	35,328
Sporting and athletic goods manufacturing	<1	16,778	21,850	69,312
Doll, toy, and game manufacturing	<1	11,277	16,597	58,418
Office supplies (except paper) manufacturing	<1	3,061	3,963	12,682
Sign manufacturing	<1	13,421	12,574	28,947
Gasket, packing, and sealing device manufacturing	<1	4,656	5,102	12,488
Musical instrument manufacturing	<1	3,544	3,808	8,878
Fasteners, buttons, needles, and pins manufacturing	<1	827	893	2,030
Broom, brush, and mop manufacturing	<1	7,848	10,006	27,572
Burial casket manufacturing	<1	1,061	1,425	3,194
All other miscellaneous manufacturing	<1	11,416	14,650	40,371
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	96,644	198,515	479,883
Wholesale - Professional and commercial equipment and supplies	4	500,923	771,071	1,420,506
Wholesale - Household appliances and electrical and electronic goods	3	266,442	618,763	1,452,983
Wholesale - Machinery, equipment, and supplies	2	178,662	319,477	610,761
Wholesale - Other durable goods merchant wholesalers	4	353,530	624,425	1,367,148

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	2	293,501	672,189	1,539,647
Wholesale - Grocery and related product wholesalers	3	301,403	439,951	895,508
Wholesale - Petroleum and petroleum products	<1	43,463	635,725	757,738
Wholesale - Other nondurable goods merchant wholesalers	5	511,533	1,124,882	2,110,323
Wholesale - Wholesale electronic markets and agents and brokers	2	300,228	336,846	399,850
Retail - Motor vehicle and parts dealers	5	373,605	568,345	787,095
Retail - Furniture and home furnishings stores	3	175,838	249,730	407,150
Retail - Electronics and appliance stores	3	183,993	182,486	300,091
Retail - Building material and garden equipment and supplies stores	4	194,457	421,833	597,880
Retail - Food and beverage stores	15	543,474	829,924	1,357,052
Retail - Health and personal care stores	7	339,443	455,637	682,813
Retail - Gasoline stores	4	191,303	439,774	788,028
Retail - Clothing and clothing accessories stores	6	348,978	542,049	937,032
Retail - Sporting goods, hobby, musical instrument and book stores	5	164,331	229,364	373,309
Retail - General merchandise stores	13	494,734	870,422	1,411,688
Retail - Miscellaneous store retailers	11	355,785	397,293	647,324
Retail - Nonstore retailers	13	294,696	1,799,611	2,928,261
Air transportation	2	284,770	415,217	863,888
Rail transportation	<1	59,629	151,971	289,320
Water transportation	<1	16,284	28,164	119,645
Truck transportation	10	795,232	1,151,622	2,324,917
Transit and ground passenger transportation	7	151,922	189,195	308,014
Pipeline transportation	<1	210,333	183,695	290,260
Scenic and sightseeing transportation and support activities for transportation	4	603,634	497,393	666,547
Couriers and messengers	14	301,063	444,655	613,562
Warehousing and storage	14	773,424	834,917	1,522,154
Newspaper publishers	<1	65,819	128,379	171,410
Periodical publishers	<1	81,817	140,201	215,869
Book publishers	<1	44,974	153,309	280,517

## Appendix

Directory, mailing list, and other publishers	<1	15,840	46,538	80,283
Greeting card publishing	<1	2,857	12,103	19,557
Software publishers	7	1,074,801	2,510,285	3,268,247
Motion picture and video industries	1	67,073	137,862	348,444
Sound recording industries	<1	5,990	58,309	100,984
Radio and television broadcasting	1	353,816	457,171	1,007,964
Cable and other subscription programming	<1	114,972	464,164	1,129,621
Wired telecommunications carriers	2	234,307	528,785	1,067,052
Wireless telecommunications carriers (except satellite)	<1	20,788	173,099	476,060
Satellite, telecommunications resellers, and all other telecommunications	<1	56,053	66,299	170,860
Data processing, hosting, and related services	3	349,959	614,241	1,860,058
News syndicates, libraries, archives and all other information services	<1	41,454	61,449	144,110
Internet publishing and broadcasting and web search portals	2	229,171	554,407	2,409,134
Nondepository credit intermediation and related activities	5	586,316	658,142	1,011,032
Securities and commodity contracts intermediation and brokerage	9	688,113	511,309	1,099,642
Monetary authorities and depository credit intermediation	7	709,301	6,666,479	7,107,505
Other financial investment activities	10	686,741	790,246	1,975,189
Direct life insurance carriers	2	244,167	565,060	754,720
Insurance carriers, except direct life	6	697,614	2,695,197	4,733,223
Insurance agencies, brokerages, and related activities	5	439,993	807,396	1,751,316
Funds, trusts, and other financial vehicles	4	137,939	180,641	877,460
Other real estate	42	739,046	3,649,572	8,974,572
Tenant-occupied housing	6	106,130	1,875,227	2,035,903
Owner-occupied dwellings	0	0	7,752,492	9,355,975
Automotive equipment rental and leasing	2	122,684	409,308	525,927

## Appendix

General and consumer goods rental except video tapes and discs	1	90,360	157,320	237,507
Video tape and disc rental	<1	31,543	52,808	84,730
Commercial and industrial machinery and equipment rental and leasing	1	97,132	264,392	351,949
Lessors of nonfinancial intangible assets	<1	13,441	292,899	318,500
Legal services	13	1,225,137	2,193,746	3,025,346
Accounting, tax preparation, bookkeeping, and payroll services	8	761,722	945,191	1,451,187
Architectural, engineering, and related services	6	517,248	563,798	1,027,433
Specialized design services	1	105,273	167,902	276,979
Custom computer programming services	7	773,889	788,568	1,107,944
Computer systems design services	4	390,782	356,019	463,308
Other computer related services, including facilities management	1	147,261	180,506	363,870
Management consulting services	26	2,795,270	2,877,046	4,533,936
Environmental and other technical consulting services	2	162,867	179,508	292,152
Scientific research and development services	171	16,956,013	21,653,663	42,547,328
Advertising, public relations, and related services	6	485,207	714,697	1,592,077
Photographic services	<1	21,899	51,997	110,974
Veterinary services	2	97,269	108,883	168,871
Marketing research and all other miscellaneous professional, scientific, and technical services	11	1,001,418	1,711,317	3,518,101
Management of companies and enterprises	34	5,235,782	5,994,259	9,119,200
Office administrative services	9	679,719	304,234	740,633
Facilities support services	1	62,660	87,816	197,347
Employment services	41	2,135,133	3,056,180	5,031,539
Business support services	5	334,552	301,915	504,262
Travel arrangement and reservation services	<1	56,188	93,735	289,822
Investigation and security services	5	229,272	240,102	345,170
Services to buildings	8	287,320	433,662	882,870
Landscape and horticultural services	5	260,335	335,934	604,873
Other support services	3	169,005	224,223	444,902
Waste management and remediation services	2	201,807	344,118	689,119

## Appendix

Elementary and secondary schools	9	389,061	310,105	390,763
Junior colleges, colleges, universities, and professional schools	13	675,827	838,665	1,137,139
Other educational services	5	201,244	222,347	445,036
Offices of physicians	21	2,596,661	2,615,274	3,645,406
Offices of dentists	6	440,368	558,291	748,766
Offices of other health practitioners	6	336,020	573,400	723,718
Outpatient care centers	8	556,096	553,512	908,804
Medical and diagnostic laboratories	2	133,052	247,874	326,414
Home health care services	10	461,492	461,882	612,710
Other ambulatory health care services	2	146,845	182,794	282,115
Hospitals	51	4,535,146	5,444,343	10,176,529
Nursing and community care facilities	12	646,264	707,224	1,135,112
Residential mental retardation, mental health, substance abuse and other facilities	6	345,558	355,180	527,514
Individual and family services	22	867,380	777,114	1,048,404
Child day care services	8	282,750	438,913	567,746
Community food, housing, and other relief services, including rehabilitation services	6	225,424	211,204	472,206
Performing arts companies	1	54,341	110,814	173,182
Commercial Sports Except Racing	4	237,608	229,641	331,061
Racing and Track Operation	<1	10,967	17,977	31,657
Independent artists, writers, and performers	<1	28,385	101,820	134,283
Promoters of performing arts and sports and agents for public figures	3	119,641	359,372	596,883
Museums, historical sites, zoos, and parks	1	61,813	76,983	133,160
Amusement parks and arcades	<1	33,272	46,480	56,245
Gambling industries (except casino hotels)	3	119,547	422,353	535,040
Other amusement and recreation industries	4	149,697	129,433	190,517
Fitness and recreational sports centers	3	89,941	106,999	164,005
Bowling centers	<1	18,976	24,342	40,873
Hotels and motels, including casino hotels	2	93,848	174,610	272,237
Other accommodations	<1	47,601	57,463	74,365

## Appendix

Full-service restaurants	32	1,010,005	1,529,951	2,967,713
Limited-service restaurants	29	776,810	1,225,531	2,878,072
All other food and drinking places	19	641,368	886,946	1,465,037
Automotive repair and maintenance, except car washes	10	696,145	802,482	1,118,852
Car washes	5	335,160	510,672	734,062
Electronic and precision equipment repair and maintenance	7	649,913	809,121	1,220,205
Commercial and industrial machinery and equipment repair and maintenance	3	301,395	328,751	481,888
Personal and household goods repair and maintenance	1	73,472	139,501	193,703
Personal care services	7	206,517	126,591	157,710
Death care services	2	68,249	47,679	66,305
Dry-cleaning and laundry services	3	121,770	78,726	100,869
Other personal services	5	154,803	192,932	275,494
Religious organizations	26	1,145,592	572,513	2,089,456
Grantmaking, giving, and social advocacy organizations	3	220,542	622,737	891,730
Business and professional associations	1	134,353	210,413	343,553
Labor and civic organizations	6	170,564	474,516	889,201
Private households	4	64,825	64,825	64,825
Postal service	3	354,526	356,518	356,648
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	5,240	-19,809	4,068
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	93,474	113,001	196,637
Local government passenger transit	<1	108,321	3,470	31,613
Local government electric utilities	<1	16,942	39,081	90,077
Other local government enterprises	3	301,880	409,359	1,136,643
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	316	56,515,600	81,042,839	148,306,469

## Investments in Climate Change Research and Technology

**Table 732: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,029</i>	<i>171,153,618</i>	<i>270,903,336</i>	<i>512,787,845</i>
Oilseed farming	2	297,339	735,749	1,321,515
Grain farming	5	248,648	389,626	1,575,546
Vegetable and melon farming	<1	20,358	31,524	70,236
Fruit farming	<1	5,350	7,982	13,628
Tree nut farming	<1	31	47	84
Greenhouse, nursery, and floriculture production	<1	36,044	54,560	130,643
Tobacco farming	<1	42	47	110
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	20,483	28,083	68,815
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	3	57,949	98,033	332,742
Dairy cattle and milk production	<1	23,659	40,868	238,201
Poultry and egg production	<1	25,174	48,298	558,557
Animal production, except cattle and poultry and eggs	5	209,813	473,230	656,896
Forestry, forest products, and timber tract production	<1	7,595	8,340	10,895

## Appendix

Commercial logging	<1	83,927	87,874	120,170
Commercial fishing	<1	249	6,207	6,285
Commercial hunting and trapping	<1	492	6,364	8,495
Support activities for agriculture and forestry	3	106,910	111,397	125,222
Oil and gas extraction	2	-43,729	1,239,711	2,590,330
Coal mining	<1	4,381	13,603	22,704
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	3,758	8,246	17,678
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	39,061	157,645	255,919
Sand and gravel mining	<1	34,344	68,893	120,076
Other clay, ceramic, refractory minerals mining	<1	841	1,701	2,877
Potash, soda, and borate mineral mining	<1	1,575	2,554	4,548
Phosphate rock mining	<1	584	1,177	2,122
Other chemical and fertilizer mineral mining	<1	237	389	736
Other nonmetallic minerals	<1	1,589	3,077	5,480
Drilling oil and gas wells	<1	7	95	169
Support activities for oil and gas operations	<1	1,657	3,947	7,560
Metal mining services	<1	-331	16,246	38,763
Other nonmetallic minerals services	<1	73	1,999	4,920
Electric power generation - Hydroelectric	<1	3,109	7,944	14,119
Electric power generation - Fossil fuel	<1	125,576	567,402	1,242,485
Electric power generation - Nuclear	<1	99,285	227,708	440,667
Electric power generation - Solar	<1	4,492	11,566	20,584
Electric power generation - Wind	<1	7,030	70,156	123,855
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	393	1,262	2,951
Electric power generation - All other	<1	3,587	2,002	2,619
Electric power transmission and distribution	2	390,879	1,642,526	3,539,902

## Appendix

Natural gas distribution	1	242,277	963,337	1,852,022
Water, sewage and other systems	<1	26,855	63,948	111,624
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	138	10,169,383	10,357,622	21,048,882
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	5	369,469	471,289	1,275,911
Maintenance and repair construction of residential structures	3	186,211	241,981	609,573
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	193	251	668
Dog and cat food manufacturing	<1	24,007	79,765	246,041
Other animal food manufacturing	<1	32,760	74,124	515,394
Flour milling	<1	12,678	31,126	170,932
Rice milling	0	0	0	0
Malt manufacturing	<1	873	1,638	8,235
Wet corn milling	<1	20,998	54,077	272,569
Soybean and other oilseed processing	<1	9,740	79,119	539,357
Fats and oils refining and blending	<1	2,803	9,053	67,614
Breakfast cereal manufacturing	<1	28,559	80,666	240,202
Beet sugar manufacturing	<1	6,241	14,460	56,319
Sugar cane mills and refining	<1	472	1,547	8,360
Nonchocolate confectionery manufacturing	<1	8,551	13,960	61,714

Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	1,097	1,825	5,186
Confectionery manufacturing from purchased chocolate	<1	7,465	12,221	68,286
Frozen fruits, juices and vegetables manufacturing	<1	2,722	6,303	22,137
Frozen specialties manufacturing	<1	55,368	82,446	303,743
Canned fruits and vegetables manufacturing	<1	36,889	77,942	225,783
Canned specialties	<1	31,656	82,911	309,954
Dehydrated food products manufacturing	<1	1,037	2,175	7,283
Cheese manufacturing	<1	17,224	29,650	262,101
Dry, condensed, and evaporated dairy product manufacturing	<1	46,420	125,475	489,190
Fluid milk manufacturing	<1	27,426	49,751	273,118
Creamery butter manufacturing	<1	1,709	7,662	37,677
Ice cream and frozen dessert manufacturing	<1	9,535	15,197	59,454
Frozen cakes and other pastries manufacturing	<1	31,593	50,225	93,129
Poultry processing	<1	50,317	67,455	307,495
Animal, except poultry, slaughtering	<1	26,577	39,480	322,020
Meat processed from carcasses	2	128,065	137,005	931,659
Rendering and meat byproduct processing	<1	4,067	4,849	27,241
Seafood product preparation and packaging	<1	586	875	3,965
Bread and bakery product, except frozen, manufacturing	2	80,458	127,789	326,204
Cookie and cracker manufacturing	<1	41,331	63,145	220,913
Dry pasta, mixes, and dough manufacturing	<1	14,056	37,164	125,925
Tortilla manufacturing	<1	464	711	2,834
Roasted nuts and peanut butter manufacturing	<1	13,428	40,702	124,594
Other snack food manufacturing	<1	28,123	84,560	296,009
Coffee and tea manufacturing	<1	1,191	2,536	14,594
Flavoring syrup and concentrate manufacturing	<1	10,026	88,508	181,936
Mayonnaise, dressing, and sauce manufacturing	<1	8,690	19,113	72,216
Spice and extract manufacturing	<1	13,628	24,934	93,621
All other food manufacturing	<1	33,295	52,668	225,466
Bottled and canned soft drinks & water	<1	65,385	132,100	544,416
Manufactured ice	<1	2,238	1,745	7,506

## Appendix

Breweries	<1	42,310	128,672	277,511
Wineries	<1	10,671	30,971	121,843
Distilleries	<1	5,973	67,824	109,318
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	184	230	1,871
Broadwoven fabric mills	<1	4,412	5,268	19,706
Narrow fabric mills and schiffli machine embroidery	<1	1,439	1,518	4,660
Nonwoven fabric mills	<1	7,602	9,726	52,813
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	33,967	39,650	140,073
Fabric coating mills	<1	3,547	3,935	14,327
Carpet and rug mills	<1	2,917	3,683	17,341
Curtain and linen mills	<1	4,165	4,600	16,629
Textile bag and canvas mills	<1	6,852	7,705	25,812
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,032	1,145	4,314
Other textile product mills	<1	3,758	4,094	15,030
Hosiery and sock mills	<1	469	712	1,470
Other apparel knitting mills	<1	583	874	1,882
Cut and sew apparel contractors	<1	1,074	1,377	2,743
Men's and boys' cut and sew apparel manufacturing	<1	2,907	3,751	10,101
Women's and girls' cut and sew apparel manufacturing	<1	3,331	5,733	21,108
Other cut and sew apparel manufacturing	<1	1,597	2,324	6,765
Apparel accessories and other apparel manufacturing	<1	804	1,214	3,258
Leather and hide tanning and finishing	<1	602	1,019	3,663
Footwear manufacturing	<1	232	258	824
Other leather and allied product manufacturing	<1	4,076	4,768	12,977
Sawmills	<1	59,794	86,924	371,365
Wood preservation	<1	4,979	9,630	49,659
Veneer and plywood manufacturing	<1	27,628	37,043	144,437
Engineered wood member and truss manufacturing	<1	24,485	32,538	117,322
Reconstituted wood product manufacturing	<1	9,227	18,235	92,715
Wood windows and door manufacturing	<1	70,027	81,965	251,591
Cut stock, resawing lumber, and planing	<1	15,835	25,704	87,203

## Appendix

Other millwork, including flooring	<1	37,355	49,889	160,897
Wood container and pallet manufacturing	<1	30,530	36,552	110,000
Manufactured home (mobile home) manufacturing	<1	68	80	247
Prefabricated wood building manufacturing	<1	24,486	33,155	108,628
All other miscellaneous wood product manufacturing	<1	10,032	12,519	46,747
Pulp mills	<1	118	164	1,042
Paper mills	<1	45,493	89,883	350,206
Paperboard mills	<1	16,784	30,118	124,922
Paperboard container manufacturing	1	99,247	138,130	690,072
Paper bag and coated and treated paper manufacturing	<1	85,517	120,618	415,361
Stationery product manufacturing	<1	6,404	7,818	35,897
Sanitary paper product manufacturing	<1	28,123	66,521	264,984
All other converted paper product manufacturing	<1	16,577	24,930	83,907
Printing	4	274,912	412,295	858,845
Support activities for printing	<1	12,692	18,887	29,042
Petroleum refineries	<1	169,042	1,899,940	6,404,936
Asphalt paving mixture and block manufacturing	<1	22,755	37,352	133,559
Asphalt shingle and coating materials manufacturing	<1	16,929	75,747	152,856
Petroleum lubricating oil and grease manufacturing	<1	62,667	225,180	580,996
All other petroleum and coal products manufacturing	<1	12,571	50,123	107,082
Petrochemical manufacturing	<1	17,848	239,249	790,380
Industrial gas manufacturing	<1	20,890	67,972	182,127
Synthetic dye and pigment manufacturing	<1	22,322	45,876	120,535
Other basic inorganic chemical manufacturing	<1	20,553	48,220	135,658
Other basic organic chemical manufacturing	<1	79,251	209,832	1,146,284
Plastics material and resin manufacturing	<1	77,613	143,200	753,822
Synthetic rubber manufacturing	<1	9,895	14,945	68,532
Artificial and synthetic fibers and filaments manufacturing	<1	1,323	2,138	9,396
Nitrogenous fertilizer manufacturing	<1	37,021	155,276	318,667

## Appendix

Phosphatic fertilizer manufacturing	<1	430	1,294	5,162
Fertilizer mixing	<1	5,186	11,822	30,970
Pesticide and other agricultural chemical manufacturing	<1	542	2,182	9,799
Medicinal and botanical manufacturing	<1	2,244	4,068	14,496
Pharmaceutical preparation manufacturing	<1	86,154	252,622	626,148
In-vitro diagnostic substance manufacturing	<1	887	1,467	4,266
Biological product (except diagnostic) manufacturing	<1	1,011	3,570	7,398
Paint and coating manufacturing	<1	56,797	124,021	409,958
Adhesive manufacturing	<1	24,945	44,683	168,795
Soap and other detergent manufacturing	<1	129,411	401,279	814,460
Polish and other sanitation good manufacturing	<1	28,111	51,163	138,793
Surface active agent manufacturing	<1	897	4,386	11,393
Toilet preparation manufacturing	<1	34,664	115,204	288,818
Printing ink manufacturing	<1	7,158	8,204	34,520
Explosives manufacturing	<1	926	1,106	3,967
Custom compounding of purchased resins	<1	20,255	36,638	117,280
Photographic film and chemical manufacturing	<1	8,670	21,450	57,918
Other miscellaneous chemical product manufacturing	<1	34,660	60,690	216,280
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	46,653	74,135	302,542
Unlaminated plastics profile shape manufacturing	<1	17,613	38,397	137,709
Plastics pipe and pipe fitting manufacturing	<1	38,085	102,960	395,733
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	10,093	16,336	51,741
Polystyrene foam product manufacturing	<1	23,592	40,537	151,226
Urethane and other foam product (except polystyrene) manufacturing	<1	18,723	31,128	124,177
Plastics bottle manufacturing	<1	23,605	36,408	170,408
Other plastics product manufacturing	3	190,046	276,519	1,012,626
Tire manufacturing	<1	70,221	87,593	305,504

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	11,307	17,513	59,061
Other rubber product manufacturing	<1	55,808	70,353	263,115
Pottery, ceramics, and plumbing fixture manufacturing	<1	12,730	20,000	48,085
Brick, tile, and other structural clay product manufacturing	<1	28,032	47,701	110,669
Flat glass manufacturing	<1	11,121	21,759	54,507
Other pressed and blown glass and glassware manufacturing	<1	24,896	40,659	98,420
Glass container manufacturing	<1	1,690	2,673	7,122
Glass product manufacturing made of purchased glass	<1	22,628	40,811	107,622
Cement manufacturing	<1	18,686	42,217	123,596
Ready-mix concrete manufacturing	1	99,744	162,811	547,701
Concrete block and brick manufacturing	<1	42,812	76,056	201,843
Concrete pipe manufacturing	<1	9,936	16,353	44,763
Other concrete product manufacturing	2	133,332	198,325	503,908
Lime manufacturing	<1	3,518	7,748	21,753
Gypsum product manufacturing	<1	8,054	22,846	66,629
Abrasive product manufacturing	<1	10,021	21,631	38,018
Cut stone and stone product manufacturing	<1	42,340	56,334	127,490
Ground or treated mineral and earth manufacturing	<1	2,129	5,092	14,345
Mineral wool manufacturing	<1	21,008	55,741	122,964
Miscellaneous nonmetallic mineral products manufacturing	<1	37,359	86,566	182,783
Iron and steel mills and ferroalloy manufacturing	<1	98,665	266,332	1,385,302
Iron, steel pipe and tube manufacturing from purchased steel	<1	13,779	32,407	140,051
Rolled steel shape manufacturing	<1	26,406	98,815	355,337
Steel wire drawing	<1	6,426	13,878	61,454
Alumina refining and primary aluminum production	<1	6,169	10,885	76,256
Secondary smelting and alloying of aluminum	<1	1,730	3,800	37,998
Aluminum sheet, plate, and foil manufacturing	<1	9,114	20,590	80,606
Other aluminum rolling, drawing and extruding	<1	8,070	12,517	64,118
Nonferrous metal (exc aluminum) smelting and refining	<1	803	6,094	18,117



## Appendix

Copper rolling, drawing, extruding and alloying	<1	28,970	65,330	501,530
Nonferrous metal, except copper and aluminum, shaping	<1	4,251	5,312	19,251
Secondary processing of other nonferrous metals	<1	385	856	4,255
Ferrous metal foundries	<1	19,166	34,401	80,149
Nonferrous metal foundries	<1	27,546	38,125	95,054
Custom roll forming	<1	1,495	2,332	12,363
Crown and closure manufacturing and metal stamping	<1	23,220	31,928	98,231
Iron and steel forging	<1	13,194	19,164	64,300
Nonferrous forging	<1	2,979	3,987	10,493
Cutlery, utensil, pot, and pan manufacturing	<1	6,634	16,631	53,356
Handtool manufacturing	<1	24,119	41,682	97,283
Prefabricated metal buildings and components manufacturing	<1	63,715	105,612	384,605
Fabricated structural metal manufacturing	<1	63,284	101,931	365,256
Plate work manufacturing	<1	15,119	17,671	58,306
Metal window and door manufacturing	<1	82,961	122,528	328,586
Sheet metal work manufacturing	<1	22,966	33,657	102,562
Ornamental and architectural metal work manufacturing	<1	41,895	53,612	146,828
Power boiler and heat exchanger manufacturing	<1	2,202	3,182	7,953
Metal tank (heavy gauge) manufacturing	<1	48,697	61,433	182,108
Metal cans manufacturing	<1	17,896	37,202	178,359
Metal barrels, drums and pails manufacturing	<1	3,255	4,526	20,905
Hardware manufacturing	<1	9,678	15,503	57,997
Spring and wire product manufacturing	<1	33,356	46,570	156,144
Machine shops	2	113,879	140,445	309,135
Turned product and screw, nut, and bolt manufacturing	<1	24,699	33,408	96,303
Metal heat treating	<1	15,261	21,206	58,633
Metal coating and nonprecious engraving	<1	29,262	56,270	148,868
Electroplating, anodizing, and coloring metal	<1	36,035	40,044	90,572
Valve and fittings, other than plumbing, manufacturing	<1	44,085	70,353	209,113
Plumbing fixture fitting and trim manufacturing	<1	13,213	35,272	109,107

## Appendix

Ball and roller bearing manufacturing	<1	4,529	8,025	20,236
Small arms ammunition manufacturing	<1	14,247	34,525	95,908
Ammunition, except for small arms, manufacturing	<1	1,822	2,085	4,602
Small arms, ordnance, and accessories manufacturing	<1	5,100	12,105	35,178
Fabricated pipe and pipe fitting manufacturing	<1	11,191	14,877	46,032
Other fabricated metal manufacturing	<1	61,354	86,616	247,157
Farm machinery and equipment manufacturing	<1	2,108	3,786	15,003
Lawn and garden equipment manufacturing	<1	1,756	2,992	15,073
Construction machinery manufacturing	<1	2,636	5,806	21,840
Mining machinery and equipment manufacturing	<1	153	218	705
Oil and gas field machinery and equipment manufacturing	<1	516	658	1,936
Semiconductor machinery manufacturing	<1	40	49	188
Food product machinery manufacturing	<1	372	423	1,320
Sawmill, woodworking, and paper machinery	<1	349	396	1,358
Printing machinery and equipment manufacturing	<1	408	452	1,457
All other industrial machinery manufacturing	<1	1,485	1,865	5,258
Optical instrument and lens manufacturing	<1	3,434	5,051	14,705
Photographic and photocopying equipment manufacturing	<1	173	209	773
Other commercial service industry machinery manufacturing	<1	12,208	19,197	66,837
Air purification and ventilation equipment manufacturing	<1	6,272	8,005	22,379
Heating equipment (except warm air furnaces) manufacturing	<1	10,126	15,236	48,759
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	30,797	51,598	151,934
Industrial mold manufacturing	<1	2,928	3,489	7,874
Special tool, die, jig, and fixture manufacturing	<1	4,618	5,974	11,675

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	2,763	3,186	8,012
Machine tool manufacturing	<1	1,448	1,803	5,381
Rolling mill and other metalworking machinery manufacturing	<1	1,256	1,646	4,112
Turbine and turbine generator set units manufacturing	<1	141	154	445
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,672	8,004	22,552
Mechanical power transmission equipment manufacturing	<1	4,425	6,215	16,664
Other engine equipment manufacturing	<1	18,655	41,234	176,066
Pump and pumping equipment manufacturing	<1	3,972	6,460	20,529
Air and gas compressor manufacturing	<1	1,698	2,256	6,592
Elevator and moving stairway manufacturing	<1	213	269	908
Conveyor and conveying equipment manufacturing	<1	1,638	1,853	5,713
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,566	2,645	9,815
Industrial truck, trailer, and stacker manufacturing	<1	4,702	7,673	26,155
Power-driven handtool manufacturing	<1	510	1,321	4,164
Welding and soldering equipment manufacturing	<1	4,618	6,835	20,087
Packaging machinery manufacturing	<1	1,142	1,620	4,752
Industrial process furnace and oven manufacturing	<1	744	896	2,197
Fluid power cylinder and actuator manufacturing	<1	5,227	7,323	20,411
Fluid power pump and motor manufacturing	<1	1,258	1,952	6,673
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,828	2,222	6,006
Electronic computer manufacturing	<1	317	381	2,357
Computer storage device manufacturing	<1	33	40	449
Computer terminals and other computer peripheral equipment manufacturing	<1	1,878	2,087	10,228
Telephone apparatus manufacturing	<1	97	115	697

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	249	264	942
Other communications equipment manufacturing	<1	2,009	2,198	8,575
Audio and video equipment manufacturing	<1	126	157	1,868
Printed circuit assembly (electronic assembly) manufacturing	<1	13,464	14,481	99,365
Bare printed circuit board manufacturing	<1	1,587	1,644	5,393
Semiconductor and related device manufacturing	<1	23,345	26,885	179,496
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	980	1,000	3,825
Electronic connector manufacturing	<1	5,776	5,997	26,661
Other electronic component manufacturing	<1	6,213	6,435	25,462
Electromedical and electrotherapeutic apparatus manufacturing	<1	861	936	3,549
Search, detection, and navigation instruments manufacturing	-3	-312,255	-346,891	-1,230,232
Automatic environmental control manufacturing	<1	16,337	17,559	49,868
Industrial process variable instruments manufacturing	<1	6,841	7,135	20,813
Totalizing fluid meter and counting device manufacturing	<1	726	844	2,892
Electricity and signal testing instruments manufacturing	<1	478	513	2,165
Analytical laboratory instrument manufacturing	1	115,813	142,308	502,703
Irradiation apparatus manufacturing	0	-5	-4	-32
Watch, clock, and other measuring and controlling device manufacturing	<1	893	972	4,292
Blank magnetic and optical recording media manufacturing	<1	232	433	5,156
Software and other prerecorded and record reproducing	<1	437	509	2,370
Electric lamp bulb and part manufacturing	<1	5,765	10,296	19,201
Lighting fixture manufacturing	<1	38,280	52,969	152,432
Small electrical appliance manufacturing	<1	14,858	36,674	133,338

Appendix

Household cooking appliance manufacturing	<1	11,585	31,806	109,575
Household refrigerator and home freezer manufacturing	<1	14,579	36,884	119,015
Household laundry equipment manufacturing	<1	44,489	81,758	336,607
Other major household appliance manufacturing	<1	7,225	21,092	60,784
Power, distribution, and specialty transformer manufacturing	<1	427	673	1,688
Motor and generator manufacturing	<1	4,489	9,635	27,646
Switchgear and switchboard apparatus manufacturing	<1	3,749	8,097	25,604
Relay and industrial control manufacturing	<1	13,894	20,113	49,490
Storage battery manufacturing	<1	17,059	31,283	88,106
Primary battery manufacturing	<1	3,820	25,175	28,968
Fiber optic cable manufacturing	<1	4,483	7,417	26,666
Other communication and energy wire manufacturing	<1	3,150	6,584	28,169
Wiring device manufacturing	<1	20,036	46,703	117,303
Carbon and graphite product manufacturing	<1	15,032	25,622	68,083
All other miscellaneous electrical equipment and component manufacturing	<1	22,490	26,943	80,623
Automobile manufacturing	<1	49,871	100,677	721,201
Light truck and utility vehicle manufacturing	<1	10,522	21,301	222,848
Heavy duty truck manufacturing	<1	5,155	7,483	51,432
Motor vehicle body manufacturing	<1	2,322	2,657	11,820
Truck trailer manufacturing	<1	119	131	602
Motor home manufacturing	<1	49,937	69,293	297,824
Travel trailer and camper manufacturing	<1	68,367	76,848	338,696
Motor vehicle gasoline engine and engine parts manufacturing	<1	70,500	88,552	505,071
Motor vehicle electrical and electronic equipment manufacturing	<1	46,851	53,546	301,872
Motor vehicle transmission and power train parts manufacturing	2	142,804	172,082	854,988
Motor vehicle seating and interior trim manufacturing	<1	18,799	20,839	121,438
Motor vehicle metal stamping	<1	73,367	82,803	348,164
Other motor vehicle parts manufacturing	1	102,503	119,270	670,539

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	41,807	47,731	256,378
Aircraft manufacturing	<1	8	16	53
Aircraft engine and engine parts manufacturing	<1	15,722	40,499	78,600
Other aircraft parts and auxiliary equipment manufacturing	<1	9,772	14,599	27,167
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	7	11	18
Railroad rolling stock manufacturing	<1	56	64	336
Ship building and repairing	<1	109	159	366
Boat building	<1	2,366	3,956	14,961
Motorcycle, bicycle, and parts manufacturing	<1	3,698	17,566	31,413
Military armored vehicle, tank, and tank component manufacturing	<1	25,313	64,382	155,849
All other transportation equipment manufacturing	<1	2,466	6,279	22,917
Wood kitchen cabinet and countertop manufacturing	<1	37,394	38,680	109,172
Upholstered household furniture manufacturing	<1	5,132	5,302	20,400
Nonupholstered wood household furniture manufacturing	<1	19,584	19,938	60,647
Other household nonupholstered furniture manufacturing	<1	4,843	5,491	30,289
Institutional furniture manufacturing	<1	2,583	2,648	7,497
Wood office furniture manufacturing	<1	559	571	1,846
Custom architectural woodwork and millwork	<1	1,253	1,148	3,364
Office furniture, except wood, manufacturing	<1	772	786	3,987
Showcase, partition, shelving, and locker manufacturing	<1	3,301	3,410	11,598
Mattress manufacturing	<1	5,858	6,399	36,737
Blind and shade manufacturing	<1	482	478	1,388
Surgical and medical instrument manufacturing	<1	5,748	7,171	16,220
Surgical appliance and supplies manufacturing	<1	27,225	39,529	109,737

## Appendix

Dental equipment and supplies manufacturing	<1	498	638	1,554
Ophthalmic goods manufacturing	<1	13,025	17,964	39,070
Dental laboratories	<1	7,892	8,383	15,372
Jewelry and silverware manufacturing	<1	13,808	20,911	54,474
Sporting and athletic goods manufacturing	<1	21,060	25,938	87,588
Doll, toy, and game manufacturing	<1	9,400	12,532	52,570
Office supplies (except paper) manufacturing	<1	16,108	21,292	66,824
Sign manufacturing	<1	20,372	18,741	44,286
Gasket, packing, and sealing device manufacturing	<1	8,254	8,810	21,962
Musical instrument manufacturing	<1	2,365	2,452	5,931
Fasteners, buttons, needles, and pins manufacturing	<1	1,007	1,052	2,370
Broom, brush, and mop manufacturing	<1	6,715	7,673	23,679
Burial casket manufacturing	<1	2,737	3,521	8,651
All other miscellaneous manufacturing	<1	16,991	20,913	62,091
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	127,824	266,653	631,655
Wholesale - Professional and commercial equipment and supplies	5	610,721	944,487	1,764,073
Wholesale - Household appliances and electrical and electronic goods	2	238,049	563,378	1,322,758
Wholesale - Machinery, equipment, and supplies	4	376,621	683,425	1,301,604
Wholesale - Other durable goods merchant wholesalers	8	720,307	1,290,345	2,812,295
Wholesale - Drugs and druggists'sundries	2	394,773	938,901	2,160,621
Wholesale - Grocery and related product wholesalers	5	425,610	634,846	1,293,682
Wholesale - Petroleum and petroleum products	<1	112,546	1,147,858	1,427,468
Wholesale - Other nondurable goods merchant wholesalers	7	739,252	1,544,744	2,985,136
Wholesale - Wholesale electronic markets and agents and brokers	4	463,945	526,064	630,482
Retail - Motor vehicle and parts dealers	7	526,396	790,878	1,105,066
Retail - Furniture and home furnishings stores	5	242,272	339,985	562,936

## Appendix

Retail - Electronics and appliance stores	4	253,664	246,627	421,629
Retail - Building material and garden equipment and supplies stores	11	508,284	1,108,345	1,578,055
Retail - Food and beverage stores	20	693,770	1,059,755	1,767,785
Retail - Health and personal care stores	10	454,429	608,753	935,689
Retail - Gasoline stores	7	262,427	633,100	1,179,030
Retail - Clothing and clothing accessories stores	9	465,747	731,105	1,321,448
Retail - Sporting goods, hobby, musical instrument and book stores	7	215,230	301,005	504,829
Retail - General merchandise stores	20	701,880	1,222,009	2,024,708
Retail - Miscellaneous store retailers	16	476,893	527,650	891,127
Retail - Nonstore retailers	17	411,717	2,441,583	3,974,313
Air transportation	3	432,987	586,558	1,283,154
Rail transportation	<1	112,060	308,529	558,409
Water transportation	<1	22,762	35,689	171,666
Truck transportation	18	1,366,043	2,019,427	4,224,014
Transit and ground passenger transportation	9	121,745	154,379	294,174
Pipeline transportation	<1	615,173	419,290	671,009
Scenic and sightseeing transportation and support activities for transportation	7	887,053	765,459	1,024,272
Couriers and messengers	18	376,077	613,257	836,118
Warehousing and storage	15	833,309	894,201	1,672,617
Newspaper publishers	<1	74,603	126,861	183,014
Periodical publishers	<1	70,037	101,542	177,795
Book publishers	<1	44,569	123,092	252,252
Directory, mailing list, and other publishers	<1	24,954	61,192	112,070
Greeting card publishing	<1	3,508	12,232	20,620
Software publishers	20	2,893,781	5,564,139	7,884,355
Motion picture and video industries	2	65,314	126,768	388,602
Sound recording industries	<1	6,774	57,029	114,597
Radio and television broadcasting	2	368,916	492,178	1,280,846
Cable and other subscription programming	<1	93,309	396,949	1,074,504
Wired telecommunications carriers	4	368,169	772,653	1,584,810



## Appendix

Wireless telecommunications carriers (except satellite)	<1	35,867	243,564	716,603
Satellite, telecommunications resellers, and all other telecommunications	<1	83,197	108,824	256,182
Data processing, hosting, and related services	4	503,160	858,375	2,792,055
News syndicates, libraries, archives and all other information services	<1	35,341	50,228	133,081
Internet publishing and broadcasting and web search portals	2	218,132	503,512	2,565,158
Nondepository credit intermediation and related activities	7	721,858	804,054	1,293,799
Securities and commodity contracts intermediation and brokerage	15	863,255	656,700	1,651,471
Monetary authorities and depository credit intermediation	12	1,210,501	8,760,132	10,418,929
Other financial investment activities	13	655,244	748,931	2,237,472
Direct life insurance carriers	4	392,428	891,667	1,253,845
Insurance carriers, except direct life	9	1,001,740	3,821,291	7,073,597
Insurance agencies, brokerages, and related activities	8	699,211	1,290,957	2,900,454
Funds, trusts, and other financial vehicles	5	159,518	209,284	1,145,382
Other real estate	61	876,639	4,702,375	12,292,875
Tenant-occupied housing	9	117,511	2,214,151	2,439,689
Owner-occupied dwellings	0	0	9,835,033	11,908,030
Automotive equipment rental and leasing	2	171,312	542,901	722,657
General and consumer goods rental except video tapes and discs	2	132,056	231,036	352,557
Video tape and disc rental	<1	43,732	73,648	118,059
Commercial and industrial machinery and equipment rental and leasing	3	226,169	591,295	803,622
Lessors of nonfinancial intangible assets	<1	22,016	400,985	437,679
Legal services	19	1,747,168	2,957,341	4,195,159
Accounting, tax preparation, bookkeeping, and payroll services	12	987,383	1,178,454	1,893,286
Architectural, engineering, and related services	22	1,825,872	1,971,190	3,956,749
Specialized design services	1	130,306	197,539	352,066

## Appendix

Custom computer programming services	5	508,038	519,215	751,727
Computer systems design services	4	428,605	389,273	518,500
Other computer related services, including facilities management	2	171,050	209,490	434,371
Management consulting services	47	4,603,534	4,713,750	7,692,292
Environmental and other technical consulting services	2	210,415	227,915	384,816
Scientific research and development services	236	22,546,839	29,589,598	58,387,867
Advertising, public relations, and related services	8	585,145	827,014	1,958,936
Photographic services	<1	31,322	66,639	158,790
Veterinary services	2	119,389	130,370	209,357
Marketing research and all other miscellaneous professional, scientific, and technical services	9	778,356	1,212,417	2,789,888
Management of companies and enterprises	32	4,565,600	5,175,049	8,196,119
Office administrative services	12	812,669	342,748	927,429
Facilities support services	1	57,909	80,159	200,802
Employment services	67	2,953,763	4,144,643	7,382,213
Business support services	9	486,181	431,510	782,884
Travel arrangement and reservation services	1	68,598	114,654	387,401
Investigation and security services	7	289,269	302,545	455,843
Services to buildings	12	395,890	586,616	1,263,631
Landscape and horticultural services	7	334,319	427,645	812,984
Other support services	4	191,062	251,841	533,034
Waste management and remediation services	4	292,223	503,051	1,016,564
Elementary and secondary schools	10	424,266	346,593	443,807
Junior colleges, colleges, universities, and professional schools	15	673,696	843,507	1,191,572
Other educational services	6	253,566	279,252	575,407
Offices of physicians	29	3,534,150	3,544,382	5,014,513
Offices of dentists	8	556,086	683,858	933,458
Offices of other health practitioners	9	468,536	750,521	965,016
Outpatient care centers	9	642,735	635,349	1,051,107
Medical and diagnostic laboratories	2	172,526	299,762	411,233
Home health care services	14	592,505	589,470	798,548

## Appendix

Other ambulatory health care services	3	192,836	233,458	369,516
Hospitals	57	5,146,378	6,072,489	11,465,192
Nursing and community care facilities	15	715,349	778,540	1,302,177
Residential mental retardation, mental health, substance abuse and other facilities	7	348,122	357,209	546,470
Individual and family services	24	855,699	743,100	1,040,602
Child day care services	10	333,108	468,991	638,477
Community food, housing, and other relief services, including rehabilitation services	6	207,698	193,130	457,964
Performing arts companies	2	53,251	111,403	191,946
Commercial Sports Except Racing	6	300,605	260,967	402,698
Racing and Track Operation	<1	11,683	21,596	40,089
Independent artists, writers, and performers	<1	28,331	109,509	151,534
Promoters of performing arts and sports and agents for public figures	3	106,721	348,579	638,759
Museums, historical sites, zoos, and parks	1	61,450	76,283	139,301
Amusement parks and arcades	<1	36,170	51,203	63,079
Gambling industries (except casino hotels)	3	130,703	441,678	579,684
Other amusement and recreation industries	6	178,389	154,887	233,304
Fitness and recreational sports centers	4	99,071	113,124	182,315
Bowling centers	<1	23,926	30,139	52,634
Hotels and motels, including casino hotels	3	114,700	229,811	360,905
Other accommodations	1	42,435	52,412	69,546
Full-service restaurants	45	1,337,843	2,031,279	4,067,428
Limited-service restaurants	41	1,004,045	1,587,125	3,927,108
All other food and drinking places	25	787,883	1,112,696	1,890,999
Automotive repair and maintenance, except car washes	14	904,270	1,112,823	1,560,483
Car washes	7	455,828	693,653	1,009,088
Electronic and precision equipment repair and maintenance	36	3,043,560	3,965,016	6,163,417
Commercial and industrial machinery and equipment repair and maintenance	6	496,346	554,210	849,272
Personal and household goods repair and maintenance	2	96,868	206,538	283,955

## Appendix

Personal care services	8	247,232	191,286	230,570
Death care services	2	79,852	67,139	91,183
Dry-cleaning and laundry services	5	173,796	137,118	171,500
Other personal services	6	198,779	261,114	376,836
Religious organizations	24	1,038,493	671,155	2,092,658
Grantmaking, giving, and social advocacy organizations	3	176,368	637,191	888,250
Business and professional associations	2	145,162	268,848	440,141
Labor and civic organizations	6	155,646	551,630	990,425
Private households	5	82,698	82,698	82,895
Postal service	5	464,526	466,787	469,162
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	6,419	-19,980	4,560
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	165,091	240,551	435,952
Local government passenger transit	1	114,600	12,652	54,125
Local government electric utilities	<1	26,814	79,545	177,622
Other local government enterprises	4	401,039	803,088	1,861,573
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	306	52,525,725	78,373,996	142,875,711

## Oklahoma

## NASA

Table 733: Detailed NASA Impacts by Types of Impact, Oklahoma

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	506	34,562,886	52,818,955	109,423,065
Oilseed farming	<1	2,437	4,964	16,940
Grain farming	<1	19,634	-29,105	170,567
Vegetable and melon farming	<1	709	946	3,221
Fruit farming	<1	158	200	525
Tree nut farming	<1	293	386	1,072
Greenhouse, nursery, and floriculture production	<1	2,376	3,151	11,234
Tobacco farming	0	0	0	0
Cotton farming	<1	695	869	2,847
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5,327	5,794	23,479
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	15,079	21,896	128,489
Dairy cattle and milk production	<1	1,897	2,632	24,989
Poultry and egg production	<1	1,882	2,613	51,535
Animal production, except cattle and poultry and eggs	2	51,399	101,671	244,621
Forestry, forest products, and timber tract production	<1	703	932	1,341
Commercial logging	<1	1,037	2,046	3,909
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	6	307	498
Support activities for agriculture and forestry	1	36,985	38,757	44,538
Oil and gas extraction	1	223,876	863,171	1,777,065
Coal mining	<1	9,084	9,976	14,164
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	16,335	13,742	32,655
Sand and gravel mining	<1	11,886	11,583	18,757

## Appendix

Other clay, ceramic, refractory minerals mining	<1	400	392	711
Potash, soda, and borate mineral mining	<1	716	747	1,148
Phosphate rock mining	<1	178	184	311
Other chemical and fertilizer mineral mining	<1	90	92	145
Other nonmetallic minerals	<1	1,486	1,571	2,550
Drilling oil and gas wells	<1	52	162	294
Support activities for oil and gas operations	<1	2,348	4,422	8,824
Metal mining services	<1	7,117	29,656	69,700
Other nonmetallic minerals services	<1	429	1,758	3,904
Electric power generation - Hydroelectric	<1	505	1,099	2,926
Electric power generation - Fossil fuel	<1	67,181	211,911	600,896
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	413	824	1,820
Electric power generation - Wind	<1	9,623	68,574	148,962
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	58	163	654
Electric power generation - All other	<1	31	-10	18
Electric power transmission and distribution	<1	123,188	389,373	1,125,795
Natural gas distribution	<1	58,433	179,573	419,164
Water, sewage and other systems	<1	2,059	3,989	7,807
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	4	237,987	238,070	542,588
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	73,382	89,907	286,002
Maintenance and repair construction of residential structures	<1	35,212	44,808	128,677
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	13	16	51
Dog and cat food manufacturing	<1	4,113	10,193	39,611
Other animal food manufacturing	<1	2,919	5,049	49,157
Flour milling	<1	1,711	3,498	25,663
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	853	4,910	39,021
Fats and oils refining and blending	<1	119	310	2,512
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	119	165	770
Chocolate and confectionery manufacturing from cacao beans	<1	87	126	631
Confectionery manufacturing from purchased chocolate	0	0	0	0
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	108	145	709
Canned fruits and vegetables manufacturing	<1	197	366	2,167
Canned specialties	<1	343	759	3,848
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	294	404	3,795
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	4,337	6,742	48,266
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	486	674	2,946



## Appendix

Frozen cakes and other pastries manufacturing	<1	3,297	4,649	8,517
Poultry processing	<1	9,315	11,454	59,411
Animal, except poultry, slaughtering	<1	8,236	9,836	85,676
Meat processed from carcasses	<1	14,679	13,909	116,037
Rendering and meat byproduct processing	<1	330	315	1,699
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	13,224	18,539	45,006
Cookie and cracker manufacturing	<1	3,317	4,637	17,676
Dry pasta, mixes, and dough manufacturing	<1	1,126	2,474	10,303
Tortilla manufacturing	<1	580	764	4,328
Roasted nuts and peanut butter manufacturing	<1	754	1,134	5,720
Other snack food manufacturing	<1	666	978	5,474
Coffee and tea manufacturing	<1	114	203	1,457
Flavoring syrup and concentrate manufacturing	<1	60	414	605
Mayonnaise, dressing, and sauce manufacturing	<1	74	136	785
Spice and extract manufacturing	<1	3	5	47
All other food manufacturing	<1	1,345	1,857	6,284
Bottled and canned soft drinks & water	<1	9,013	15,639	77,223
Manufactured ice	<1	586	401	1,835
Breweries	<1	2,160	4,177	15,440
Wineries	<1	389	682	4,039
Distilleries	<1	382	1,361	4,102
Tobacco product manufacturing	<1	2,748	62,857	117,756
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	38	41	169
Nonwoven fabric mills	<1	342	440	2,852
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	52	61	377
Fabric coating mills	<1	105	118	830
Carpet and rug mills	<1	127	160	702
Curtain and linen mills	<1	165	188	865
Textile bag and canvas mills	<1	218	255	1,113
Rope, cordage, twine, tire cord and tire fabric mills	<1	165	210	883

## Appendix

Other textile product mills	<1	293	323	1,339
Hosiery and sock mills	<1	15	26	69
Other apparel knitting mills	<1	22	37	105
Cut and sew apparel contractors	<1	203	253	604
Men's and boys' cut and sew apparel manufacturing	<1	131	195	543
Women's and girls' cut and sew apparel manufacturing	<1	138	321	1,110
Other cut and sew apparel manufacturing	<1	64	113	339
Apparel accessories and other apparel manufacturing	<1	244	463	1,104
Leather and hide tanning and finishing	<1	48	98	402
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	84	103	343
Sawmills	<1	1,910	3,984	14,967
Wood preservation	<1	137	483	1,786
Veneer and plywood manufacturing	<1	4	8	81
Engineered wood member and truss manufacturing	<1	487	942	3,106
Reconstituted wood product manufacturing	<1	943	3,592	11,859
Wood windows and door manufacturing	<1	706	1,074	3,129
Cut stock, resawing lumber, and planing	<1	22	54	166
Other millwork, including flooring	<1	1,220	2,337	7,363
Wood container and pallet manufacturing	<1	2,248	3,512	10,177
Manufactured home (mobile home) manufacturing	<1	14	23	77
Prefabricated wood building manufacturing	<1	202	421	1,189
All other miscellaneous wood product manufacturing	<1	345	547	1,777
Pulp mills	0	0	0	0
Paper mills	<1	20,538	59,865	177,231
Paperboard mills	<1	2,032	5,495	18,052
Paperboard container manufacturing	<1	6,755	12,278	49,633
Paper bag and coated and treated paper manufacturing	<1	927	1,763	6,055
Stationery product manufacturing	<1	372	531	2,219

## Appendix

Sanitary paper product manufacturing	<1	1,532	6,568	18,595
All other converted paper product manufacturing	<1	302	634	2,016
Printing	<1	35,614	42,883	114,186
Support activities for printing	<1	80	96	210
Petroleum refineries	<1	51,231	55,439	1,260,585
Asphalt paving mixture and block manufacturing	<1	1,975	2,030	11,511
Asphalt shingle and coating materials manufacturing	<1	3,019	3,038	14,391
Petroleum lubricating oil and grease manufacturing	<1	35,493	29,809	143,297
All other petroleum and coal products manufacturing	<1	8,051	8,463	41,093
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	14,201	39,959	143,233
Synthetic dye and pigment manufacturing	<1	89	190	716
Other basic inorganic chemical manufacturing	<1	2,434	5,764	19,731
Other basic organic chemical manufacturing	<1	589	1,557	13,015
Plastics material and resin manufacturing	<1	1,710	3,238	25,231
Synthetic rubber manufacturing	<1	111	164	907
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	4,032	15,373	44,693
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	49	106	398
Pesticide and other agricultural chemical manufacturing	<1	672	2,539	13,284
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	2,603	7,094	20,769
In-vitro diagnostic substance manufacturing	<1	185	276	648
Biological product (except diagnostic) manufacturing	<1	348	1,069	2,236
Paint and coating manufacturing	<1	1,688	3,587	14,570
Adhesive manufacturing	<1	334	567	2,686
Soap and other detergent manufacturing	<1	587	1,674	6,457
Polish and other sanitation good manufacturing	<1	1,147	1,958	6,466

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	84	266	916
Printing ink manufacturing	<1	55	61	296
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	875	1,788	6,998
Photographic film and chemical manufacturing	<1	898	2,036	7,346
Other miscellaneous chemical product manufacturing	<1	1,384	2,301	11,018
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,990	6,973	27,464
Unlaminated plastics profile shape manufacturing	<1	648	1,603	4,879
Plastics pipe and pipe fitting manufacturing	<1	3,479	11,142	39,320
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	177	323	1,021
Polystyrene foam product manufacturing	<1	2,665	5,183	20,081
Urethane and other foam product (except polystyrene) manufacturing	<1	909	1,708	7,908
Plastics bottle manufacturing	<1	476	803	3,842
Other plastics product manufacturing	<1	5,212	8,322	26,712
Tire manufacturing	<1	25,234	33,764	117,773
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	4,118	5,529	24,272
Pottery, ceramics, and plumbing fixture manufacturing	<1	854	1,416	3,437
Brick, tile, and other structural clay product manufacturing	<1	2,556	4,566	11,363
Flat glass manufacturing	<1	1,024	2,127	4,718
Other pressed and blown glass and glassware manufacturing	<1	395	688	1,577
Glass container manufacturing	<1	1,202	2,024	5,112
Glass product manufacturing made of purchased glass	<1	2,879	5,501	14,843
Cement manufacturing	<1	1,613	3,970	10,927
Ready-mix concrete manufacturing	<1	10,570	18,078	62,515
Concrete block and brick manufacturing	<1	2,321	4,331	12,198
Concrete pipe manufacturing	<1	844	1,439	3,777

## Appendix

Other concrete product manufacturing	<1	4,091	6,289	17,930
Lime manufacturing	<1	1,651	3,845	11,579
Gypsum product manufacturing	<1	1,951	6,064	17,125
Abrasive product manufacturing	<1	122	288	684
Cut stone and stone product manufacturing	<1	1,963	2,628	6,403
Ground or treated mineral and earth manufacturing	<1	70	176	529
Mineral wool manufacturing	<1	222	653	2,150
Miscellaneous nonmetallic mineral products manufacturing	<1	884	2,176	5,119
Iron and steel mills and ferroalloy manufacturing	<1	4,240	9,259	75,038
Iron, steel pipe and tube manufacturing from purchased steel	<1	5,326	10,337	55,105
Rolled steel shape manufacturing	<1	947	2,680	10,970
Steel wire drawing	<1	1,787	3,141	13,189
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	162	292	4,094
Aluminum sheet, plate, and foil manufacturing	<1	1,383	2,620	15,239
Other aluminum rolling, drawing and extruding	<1	5,354	8,511	38,254
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	271	493	6,079
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	5	9	62
Ferrous metal foundries	<1	3,438	4,895	13,628
Nonferrous metal foundries	<1	612	772	2,230
Custom roll forming	<1	46	71	385
Crown and closure manufacturing and metal stamping	<1	939	1,284	3,639
Iron and steel forging	<1	583	845	2,971
Nonferrous forging	<1	319	428	1,438
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	286	501	1,235
Prefabricated metal buildings and components manufacturing	<1	4,965	7,966	27,441

## Appendix

Fabricated structural metal manufacturing	<1	10,681	17,317	57,021
Plate work manufacturing	<1	4,006	4,666	14,123
Metal window and door manufacturing	<1	3,331	4,946	15,066
Sheet metal work manufacturing	<1	2,885	4,187	12,371
Ornamental and architectural metal work manufacturing	<1	4,019	5,095	13,480
Power boiler and heat exchanger manufacturing	<1	2,216	3,269	8,743
Metal tank (heavy gauge) manufacturing	<1	878	1,127	3,306
Metal cans manufacturing	<1	482	1,010	5,089
Metal barrels, drums and pails manufacturing	<1	2,962	3,821	16,357
Hardware manufacturing	<1	483	768	2,884
Spring and wire product manufacturing	<1	12,512	17,252	50,553
Machine shops	<1	13,024	15,983	36,033
Turned product and screw, nut, and bolt manufacturing	<1	1,270	1,710	5,597
Metal heat treating	<1	327	453	1,157
Metal coating and nonprecious engraving	<1	2,397	4,656	13,488
Electroplating, anodizing, and coloring metal	<1	2,304	2,550	6,117
Valve and fittings, other than plumbing, manufacturing	<1	11,849	19,395	60,877
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	7,509	13,326	35,442
Small arms ammunition manufacturing	<1	178	453	1,044
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	33	78	218
Fabricated pipe and pipe fitting manufacturing	<1	1,113	1,468	4,174
Other fabricated metal manufacturing	<1	7,973	11,200	31,291
Farm machinery and equipment manufacturing	<1	107	166	1,029
Lawn and garden equipment manufacturing	<1	23	34	236
Construction machinery manufacturing	<1	799	1,455	6,184
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	1,277	1,470	5,349
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	3	3	13
Sawmill, woodworking, and paper machinery	<1	13	14	46
Printing machinery and equipment manufacturing	<1	3	3	12
All other industrial machinery manufacturing	<1	19	22	67
Optical instrument and lens manufacturing	<1	106	130	369
Photographic and photocopying equipment manufacturing	<1	22	24	81
Other commercial service industry machinery manufacturing	<1	476	626	2,219
Air purification and ventilation equipment manufacturing	<1	431	503	1,855
Heating equipment (except warm air furnaces) manufacturing	<1	435	566	1,419
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,578	10,468	42,020
Industrial mold manufacturing	<1	543	602	1,525
Special tool, die, jig, and fixture manufacturing	<1	23	27	64
Cutting tool and machine tool accessory manufacturing	<1	79	86	260
Machine tool manufacturing	<1	92	105	425
Rolling mill and other metalworking machinery manufacturing	<1	29	34	85
Turbine and turbine generator set units manufacturing	<1	11	12	49
Speed changer, industrial high-speed drive, and gear manufacturing	<1	114	138	386
Mechanical power transmission equipment manufacturing	<1	310	374	971
Other engine equipment manufacturing	<1	5,585	7,763	36,008
Pump and pumping equipment manufacturing	<1	420	568	1,911
Air and gas compressor manufacturing	<1	32,021	39,855	118,127
Elevator and moving stairway manufacturing	<1	6	7	22

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	346	485	1,950
Industrial truck, trailer, and stacker manufacturing	<1	77	102	384
Power-driven handtool manufacturing	<1	82	163	690
Welding and soldering equipment manufacturing	<1	5	7	33
Packaging machinery manufacturing	<1	2	2	10
Industrial process furnace and oven manufacturing	<1	283	310	676
Fluid power cylinder and actuator manufacturing	<1	105	130	464
Fluid power pump and motor manufacturing	<1	574	761	3,209
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	83	93	330
Electronic computer manufacturing	<1	17	20	96
Computer storage device manufacturing	<1	263	323	1,663
Computer terminals and other computer peripheral equipment manufacturing	<1	12	15	53
Telephone apparatus manufacturing	<1	94	125	581
Broadcast and wireless communications equipment manufacturing	<1	7	8	27
Other communications equipment manufacturing	<1	52	66	303
Audio and video equipment manufacturing	<1	31	41	363
Printed circuit assembly (electronic assembly) manufacturing	<1	113	143	1,052
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	67	84	268
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	376	417	1,252
Other electronic component manufacturing	<1	255	276	788



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	22	26	78
Search, detection, and navigation instruments manufacturing	<1	90	105	460
Automatic environmental control manufacturing	<1	516	588	1,416
Industrial process variable instruments manufacturing	<1	236	272	824
Totalizing fluid meter and counting device manufacturing	<1	90	131	440
Electricity and signal testing instruments manufacturing	<1	179	195	653
Analytical laboratory instrument manufacturing	<1	195,502	252,569	468,448
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	12	13	50
Blank magnetic and optical recording media manufacturing	<1	350	770	6,897
Software and other prerecorded and record reproducing	<1	327	401	1,616
Electric lamp bulb and part manufacturing	<1	49	58	200
Lighting fixture manufacturing	<1	132	144	657
Small electrical appliance manufacturing	<1	235	299	1,512
Household cooking appliance manufacturing	<1	812	1,003	7,160
Household refrigerator and home freezer manufacturing	<1	1,019	1,235	7,760
Household laundry equipment manufacturing	<1	3,122	3,520	23,661
Other major household appliance manufacturing	<1	482	589	3,601
Power, distribution, and specialty transformer manufacturing	<1	1	1	5
Motor and generator manufacturing	<1	1,033	1,258	6,586
Switchgear and switchboard apparatus manufacturing	<1	20	24	135
Relay and industrial control manufacturing	<1	336	359	1,412
Storage battery manufacturing	<1	282	328	1,409
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	46	53	299

Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	56,051	85,518	266,856
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	7,354	7,733	22,301
Automobile manufacturing	<1	228	1,172	5,128
Light truck and utility vehicle manufacturing	<1	63	314	1,987
Heavy duty truck manufacturing	<1	934	2,430	11,403
Motor vehicle body manufacturing	<1	174	261	935
Truck trailer manufacturing	<1	97	145	640
Motor home manufacturing	<1	8,516	17,650	57,514
Travel trailer and camper manufacturing	<1	6,212	8,130	42,486
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,007	1,936	9,758
Motor vehicle electrical and electronic equipment manufacturing	<1	1,447	2,239	11,514
Motor vehicle transmission and power train parts manufacturing	<1	2,462	4,297	25,116
Motor vehicle seating and interior trim manufacturing	<1	197	253	1,506
Motor vehicle metal stamping	<1	1,956	2,742	10,697
Other motor vehicle parts manufacturing	<1	4,085	6,574	30,822
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5,778	10,228	42,298
Aircraft manufacturing	<1	2,430	2,821	9,303
Aircraft engine and engine parts manufacturing	5	642,881	831,934	2,602,824
Other aircraft parts and auxiliary equipment manufacturing	<1	90,943	94,659	244,842
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	11	11	64
Ship building and repairing	0	0	0	0
Boat building	<1	1,330	1,431	11,008
Motorcycle, bicycle, and parts manufacturing	<1	35	26	234

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	983	887	5,881
All other transportation equipment manufacturing	<1	171	170	1,673
Wood kitchen cabinet and countertop manufacturing	<1	1,796	2,008	6,403
Upholstered household furniture manufacturing	<1	198	209	967
Nonupholstered wood household furniture manufacturing	<1	78	83	343
Other household nonupholstered furniture manufacturing	<1	64	84	383
Institutional furniture manufacturing	<1	21	22	115
Wood office furniture manufacturing	<1	42	47	161
Custom architectural woodwork and millwork	<1	232	220	744
Office furniture, except wood, manufacturing	<1	11	14	91
Showcase, partition, shelving, and locker manufacturing	<1	60	68	275
Mattress manufacturing	<1	428	574	3,339
Blind and shade manufacturing	<1	19	19	99
Surgical and medical instrument manufacturing	<1	514	597	1,862
Surgical appliance and supplies manufacturing	<1	740	956	2,946
Dental equipment and supplies manufacturing	<1	3	4	12
Ophthalmic goods manufacturing	<1	6	7	37
Dental laboratories	<1	423	440	1,017
Jewelry and silverware manufacturing	<1	944	1,567	5,587
Sporting and athletic goods manufacturing	<1	24	28	153
Doll, toy, and game manufacturing	<1	28	33	194
Office supplies (except paper) manufacturing	<1	55	63	257
Sign manufacturing	<1	2,648	2,371	7,335
Gasket, packing, and sealing device manufacturing	<1	470	491	1,532
Musical instrument manufacturing	<1	23	23	81
Fasteners, buttons, needles, and pins manufacturing	<1	314	321	959

## Appendix

Broom, brush, and mop manufacturing	<1	1,352	1,381	5,347
Burial casket manufacturing	<1	181	221	677
All other miscellaneous manufacturing	<1	3,324	3,884	13,027
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	27,947	57,694	140,098
Wholesale - Professional and commercial equipment and supplies	<1	74,237	112,566	225,515
Wholesale - Household appliances and electrical and electronic goods	<1	37,316	87,489	230,190
Wholesale - Machinery, equipment, and supplies	<1	80,749	143,597	279,867
Wholesale - Other durable goods merchant wholesalers	1	87,855	151,598	336,621
Wholesale - Drugs and druggistsâ€™ sundries	<1	52,098	122,751	309,810
Wholesale - Grocery and related product wholesalers	<1	67,730	99,779	219,082
Wholesale - Petroleum and petroleum products	<1	22,607	213,089	287,509
Wholesale - Other nondurable goods merchant wholesalers	2	121,602	250,228	562,285
Wholesale - Wholesale electronic markets and agents and brokers	1	85,766	97,128	124,003
Retail - Motor vehicle and parts dealers	2	118,792	162,269	238,397
Retail - Furniture and home furnishings stores	1	55,882	70,673	119,784
Retail - Electronics and appliance stores	<1	44,062	39,094	73,288
Retail - Building material and garden equipment and supplies stores	2	75,161	138,882	204,131
Retail - Food and beverage stores	3	130,953	175,510	294,087
Retail - Health and personal care stores	2	98,975	124,732	195,346
Retail - Gasoline stores	2	58,294	121,013	245,411
Retail - Clothing and clothing accessories stores	2	42,949	74,259	184,161
Retail - Sporting goods, hobby, musical instrument and book stores	2	42,767	55,798	101,335
Retail - General merchandise stores	4	156,421	234,761	415,049
Retail - Miscellaneous store retailers	4	101,916	101,719	191,649
Retail - Nonstore retailers	4	80,407	471,421	828,558
Air transportation	<1	36,985	151,319	233,154

## Appendix

Rail transportation	<1	19,208	125,945	164,627
Water transportation	<1	-240	-230	5,224
Truck transportation	3	211,430	310,566	667,640
Transit and ground passenger transportation	1	11,571	13,575	35,615
Pipeline transportation	<1	238,419	283,519	296,724
Scenic and sightseeing transportation and support activities for transportation	2	128,953	112,801	183,657
Couriers and messengers	3	69,305	148,780	189,811
Warehousing and storage	4	167,021	188,152	376,481
Newspaper publishers	<1	28,563	39,624	54,426
Periodical publishers	<1	23,013	27,817	40,098
Book publishers	<1	7,044	12,227	19,307
Directory, mailing list, and other publishers	<1	5,883	9,717	14,695
Greeting card publishing	0	0	0	0
Software publishers	<1	128,059	179,550	226,663
Motion picture and video industries	<1	17,268	25,650	95,200
Sound recording industries	<1	1,478	8,170	21,486
Radio and television broadcasting	<1	117,898	140,997	351,635
Cable and other subscription programming	<1	42,516	134,223	410,291
Wired telecommunications carriers	<1	91,322	190,493	370,981
Wireless telecommunications carriers (except satellite)	<1	18,492	141,625	438,352
Satellite, telecommunications resellers, and all other telecommunications	<1	15,210	18,968	58,135
Data processing, hosting, and related services	<1	65,789	111,481	492,155
News syndicates, libraries, archives and all other information services	<1	11,398	16,321	47,359
Internet publishing and broadcasting and web search portals	<1	36,560	81,848	454,749
Nondepository credit intermediation and related activities	1	88,596	96,306	178,330
Securities and commodity contracts intermediation and brokerage	3	77,476	64,553	240,851
Monetary authorities and depository credit intermediation	6	502,261	1,313,256	2,366,313

## Appendix

Other financial investment activities	3	79,198	94,832	461,072
Direct life insurance carriers	<1	54,235	119,687	182,760
Insurance carriers, except direct life	1	100,544	352,427	820,350
Insurance agencies, brokerages, and related activities	2	154,389	247,413	716,576
Funds, trusts, and other financial vehicles	1	44,593	43,176	295,771
Other real estate	26	448,960	1,761,421	5,052,856
Tenant-occupied housing	1	21,441	415,504	448,056
Owner-occupied dwellings	0	0	2,055,337	2,480,451
Automotive equipment rental and leasing	<1	46,191	183,572	230,281
General and consumer goods rental except video tapes and discs	<1	29,735	53,992	81,442
Video tape and disc rental	<1	8,461	14,045	23,909
Commercial and industrial machinery and equipment rental and leasing	<1	37,208	128,586	160,089
Lessors of nonfinancial intangible assets	<1	3,700	85,001	94,426
Legal services	10	734,581	966,638	1,601,549
Accounting, tax preparation, bookkeeping, and payroll services	5	320,884	369,610	661,399
Architectural, engineering, and related services	3	238,868	254,652	508,125
Specialized design services	<1	7,553	11,253	25,840
Custom computer programming services	<1	49,332	52,584	78,596
Computer systems design services	<1	40,790	36,736	50,680
Other computer related services, including facilities management	1	105,346	116,959	289,518
Management consulting services	9	696,181	720,282	1,301,386
Environmental and other technical consulting services	2	115,475	124,757	226,238
Scientific research and development services	166	13,900,138	17,858,645	38,105,305
Advertising, public relations, and related services	2	121,755	154,247	447,509
Photographic services	<1	5,142	10,814	30,027
Veterinary services	<1	23,946	25,988	44,548
Marketing research and all other miscellaneous professional, scientific, and technical services	3	199,311	271,201	736,191
Management of companies and enterprises	9	1,168,275	1,249,392	2,060,420

## Appendix

Office administrative services	3	220,119	79,951	247,977
Facilities support services	<1	29,037	39,597	97,768
Employment services	23	1,104,838	1,530,120	2,651,560
Business support services	3	158,722	139,609	266,600
Travel arrangement and reservation services	<1	23,080	37,816	151,408
Investigation and security services	2	79,560	82,924	121,716
Services to buildings	13	414,713	602,472	1,346,274
Landscape and horticultural services	2	74,356	94,693	185,721
Other support services	1	69,155	91,375	199,387
Waste management and remediation services	<1	44,242	68,070	152,745
Elementary and secondary schools	1	67,312	66,665	79,280
Junior colleges, colleges, universities, and professional schools	8	281,126	395,004	574,573
Other educational services	1	50,838	57,874	111,768
Offices of physicians	5	543,980	551,819	788,904
Offices of dentists	2	127,426	152,596	207,315
Offices of other health practitioners	2	97,247	147,171	189,615
Outpatient care centers	2	126,433	125,886	205,475
Medical and diagnostic laboratories	<1	43,687	70,388	100,368
Home health care services	1	67,165	67,471	88,345
Other ambulatory health care services	<1	42,054	49,850	78,278
Hospitals	10	982,309	1,120,060	2,095,746
Nursing and community care facilities	3	123,837	132,215	220,384
Residential mental retardation, mental health, substance abuse and other facilities	<1	40,859	41,790	66,993
Individual and family services	4	147,210	134,550	186,680
Child day care services	2	50,928	81,795	111,470
Community food, housing, and other relief services, including rehabilitation services	<1	26,635	26,552	64,037
Performing arts companies	<1	15,230	19,137	43,794
Commercial Sports Except Racing	1	66,071	35,160	74,162
Racing and Track Operation	<1	4,153	5,570	11,989
Independent artists, writers, and performers	<1	10,688	15,596	32,888

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	15,127	21,874	71,966
Museums, historical sites, zoos, and parks	<1	5,789	6,276	12,161
Amusement parks and arcades	<1	1,688	4,804	5,878
Gambling industries (except casino hotels)	<1	9,846	33,313	46,642
Other amusement and recreation industries	<1	19,731	20,798	32,166
Fitness and recreational sports centers	<1	10,814	17,419	29,016
Bowling centers	<1	1,736	2,976	5,228
Hotels and motels, including casino hotels	<1	13,660	29,014	48,149
Other accommodations	<1	4,107	5,540	7,414
Full-service restaurants	12	362,342	497,201	1,014,981
Limited-service restaurants	9	256,914	366,578	885,551
All other food and drinking places	6	205,838	276,263	459,355
Automotive repair and maintenance, except car washes	3	177,171	219,911	321,463
Car washes	2	96,784	136,005	209,204
Electronic and precision equipment repair and maintenance	1	59,530	81,163	144,912
Commercial and industrial machinery and equipment repair and maintenance	2	106,078	123,668	199,930
Personal and household goods repair and maintenance	<1	18,553	41,867	59,614
Personal care services	1	36,411	38,486	44,892
Death care services	<1	13,698	14,905	19,798
Dry-cleaning and laundry services	1	29,596	31,228	38,306
Other personal services	1	37,965	50,754	75,875
Religious organizations	1	72,539	75,144	162,071
Grantmaking, giving, and social advocacy organizations	<1	21,037	100,791	137,628
Business and professional associations	<1	29,364	63,400	107,467
Labor and civic organizations	<1	14,728	66,378	102,499
Private households	1	19,393	19,393	19,393
Postal service	1	108,781	109,161	109,205
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	6,195	-8,035	12,224
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	<1	88,165	313,682	579,766
Other state government enterprises	<1	42,650	89,408	136,153
Local government passenger transit	<1	33,886	22,104	31,609
Local government electric utilities	<1	7,118	29,522	66,074
Other local government enterprises	4	248,401	803,904	1,728,309
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	15	2,035,741	3,601,513	6,313,799

## Moon to Mars Campaign

**Table 734: Detailed M2M Campaign Impacts by Types of Impact, Oklahoma**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	6	526,247	804,615	1,617,747
Oilseed farming	<1	27	68	240
Grain farming	<1	182	-336	1,606
Vegetable and melon farming	<1	12	16	54
Fruit farming	<1	3	4	11
Tree nut farming	<1	7	11	30
Greenhouse, nursery, and floriculture production	<1	32	44	149
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	<1	4	6	18
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	57	65	252
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	149	255	1,343
Dairy cattle and milk production	<1	32	48	417
Poultry and egg production	<1	22	32	564
Animal production, except cattle and poultry and eggs	<1	363	806	1,904
Forestry, forest products, and timber tract production	<1	9	11	16
Commercial logging	<1	10	20	37
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	4	6
Support activities for agriculture and forestry	<1	278	294	338
Oil and gas extraction	<1	2,065	8,371	19,062
Coal mining	<1	65	74	105
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	100	82	195
Sand and gravel mining	<1	58	56	89
Other clay, ceramic, refractory minerals mining	<1	4	4	7
Potash, soda, and borate mineral mining	<1	9	9	14
Phosphate rock mining	<1	2	3	4
Other chemical and fertilizer mineral mining	<1	1	1	2
Other nonmetallic minerals	<1	7	7	11
Drilling oil and gas wells	<1	2	8	15
Support activities for oil and gas operations	<1	18	34	70
Metal mining services	<1	391	1,877	4,430
Other nonmetallic minerals services	<1	2	8	17
Electric power generation - Hydroelectric	<1	7	16	41

## Appendix

Electric power generation - Fossil fuel	<1	897	2,590	7,320
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	6	11	24
Electric power generation - Wind	<1	86	596	1,281
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	<1	2	9
Electric power generation - All other	<1	<1	0	<1
Electric power transmission and distribution	<1	1,395	4,184	12,051
Natural gas distribution	<1	818	2,382	5,367
Water, sewage and other systems	<1	27	50	96
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	635	807	2,466
Maintenance and repair construction of residential structures	<1	475	621	1,717
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	65	159	610
Other animal food manufacturing	<1	29	51	489
Flour milling	<1	20	41	309

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	14	75	622
Fats and oils refining and blending	<1	3	8	62
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2	3	13
Chocolate and confectionery manufacturing from cacao beans	<1	3	4	20
Confectionery manufacturing from purchased chocolate	0	0	0	0
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	2	2	10
Canned fruits and vegetables manufacturing	<1	3	6	39
Canned specialties	<1	4	9	45
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	7	10	91
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	71	110	779
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	7	9	40
Frozen cakes and other pastries manufacturing	<1	51	72	128
Poultry processing	<1	100	125	662
Animal, except poultry, slaughtering	<1	105	126	1,116
Meat processed from carcasses	<1	198	188	1,577
Rendering and meat byproduct processing	<1	5	5	28
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	198	278	671
Cookie and cracker manufacturing	<1	50	71	258
Dry pasta, mixes, and dough manufacturing	<1	21	44	191
Tortilla manufacturing	<1	9	11	64

## Appendix

Roasted nuts and peanut butter manufacturing	<1	12	19	91
Other snack food manufacturing	<1	10	14	77
Coffee and tea manufacturing	<1	2	3	23
Flavoring syrup and concentrate manufacturing	<1	<1	4	7
Mayonnaise, dressing, and sauce manufacturing	<1	<1	2	11
Spice and extract manufacturing	<1	0	<1	<1
All other food manufacturing	<1	26	35	120
Bottled and canned soft drinks & water	<1	115	198	988
Manufactured ice	<1	8	6	24
Breweries	<1	32	63	235
Wineries	<1	8	14	78
Distilleries	<1	5	19	53
Tobacco product manufacturing	<1	35	984	1,722
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	0	<1	2
Nonwoven fabric mills	<1	5	5	38
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1	1	7
Fabric coating mills	<1	1	2	12
Carpet and rug mills	<1	2	2	10
Curtain and linen mills	<1	2	3	13
Textile bag and canvas mills	<1	3	3	14
Rope, cordage, twine, tire cord and tire fabric mills	<1	1	2	6
Other textile product mills	<1	4	5	18
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	1
Cut and sew apparel contractors	<1	2	2	5
Men's and boys' cut and sew apparel manufacturing	<1	3	5	11
Women's and girls' cut and sew apparel manufacturing	<1	3	9	24
Other cut and sew apparel manufacturing	<1	1	3	7
Apparel accessories and other apparel manufacturing	<1	5	10	21
Leather and hide tanning and finishing	<1	0	2	5
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	1	2	5

## Appendix

Sawmills	<1	14	29	109
Wood preservation	<1	1	5	19
Veneer and plywood manufacturing	<1	0	0	<1
Engineered wood member and truss manufacturing	<1	3	7	21
Reconstituted wood product manufacturing	<1	6	23	72
Wood windows and door manufacturing	<1	4	6	17
Cut stock, resawing lumber, and planing	<1	<1	<1	1
Other millwork, including flooring	<1	8	15	45
Wood container and pallet manufacturing	<1	30	47	134
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	1	2	6
All other miscellaneous wood product manufacturing	<1	5	8	25
Pulp mills	0	0	0	0
Paper mills	<1	214	558	1,803
Paperboard mills	<1	31	79	273
Paperboard container manufacturing	<1	233	419	1,719
Paper bag and coated and treated paper manufacturing	<1	17	32	111
Stationery product manufacturing	<1	4	6	23
Sanitary paper product manufacturing	<1	18	76	220
All other converted paper product manufacturing	<1	4	8	25
Printing	<1	400	490	1,265
Support activities for printing	<1	<1	1	2
Petroleum refineries	<1	677	819	17,581
Asphalt paving mixture and block manufacturing	<1	15	16	88
Asphalt shingle and coating materials manufacturing	<1	22	24	110
Petroleum lubricating oil and grease manufacturing	<1	1,252	1,182	4,982
All other petroleum and coal products manufacturing	<1	84	89	419
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	4	12	42

## Appendix

Synthetic dye and pigment manufacturing	<1	1	2	9
Other basic inorganic chemical manufacturing	<1	22	57	188
Other basic organic chemical manufacturing	<1	7	19	157
Plastics material and resin manufacturing	<1	138	278	2,071
Synthetic rubber manufacturing	<1	2	3	15
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	39	165	452
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	1	4
Pesticide and other agricultural chemical manufacturing	<1	7	28	140
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	49	163	422
In-vitro diagnostic substance manufacturing	<1	6	10	21
Biological product (except diagnostic) manufacturing	<1	5	21	40
Paint and coating manufacturing	<1	23	54	213
Adhesive manufacturing	<1	5	10	43
Soap and other detergent manufacturing	<1	4	14	50
Polish and other sanitation good manufacturing	<1	9	17	52
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1	5	15
Printing ink manufacturing	<1	<1	<1	4
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	49	117	417
Photographic film and chemical manufacturing	<1	7	16	56
Other miscellaneous chemical product manufacturing	<1	32	57	267
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	288	507	1,972
Unlaminated plastics profile shape manufacturing	<1	12	31	90
Plastics pipe and pipe fitting manufacturing	<1	26	85	299

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5	10	32
Polystyrene foam product manufacturing	<1	27	53	202
Urethane and other foam product (except polystyrene) manufacturing	<1	11	20	91
Plastics bottle manufacturing	<1	9	15	71
Other plastics product manufacturing	<1	77	125	388
Tire manufacturing	<1	266	366	1,257
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	20	27	121
Pottery, ceramics, and plumbing fixture manufacturing	<1	7	12	30
Brick, tile, and other structural clay product manufacturing	<1	19	33	83
Flat glass manufacturing	<1	15	31	69
Other pressed and blown glass and glassware manufacturing	<1	5	9	20
Glass container manufacturing	<1	17	29	75
Glass product manufacturing made of purchased glass	<1	36	67	182
Cement manufacturing	<1	10	25	70
Ready-mix concrete manufacturing	<1	55	93	323
Concrete block and brick manufacturing	<1	12	22	62
Concrete pipe manufacturing	<1	3	5	13
Other concrete product manufacturing	<1	18	27	77
Lime manufacturing	<1	15	32	101
Gypsum product manufacturing	<1	16	47	136
Abrasive product manufacturing	<1	10	22	53
Cut stone and stone product manufacturing	<1	18	23	57
Ground or treated mineral and earth manufacturing	<1	<1	2	7
Mineral wool manufacturing	<1	1	4	12
Miscellaneous nonmetallic mineral products manufacturing	<1	3	8	18
Iron and steel mills and ferroalloy manufacturing	<1	567	1,279	10,191
Iron, steel pipe and tube manufacturing from purchased steel	<1	816	1,604	8,613



## Appendix

Rolled steel shape manufacturing	<1	140	418	1,705
Steel wire drawing	<1	24	41	174
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	7	14	191
Aluminum sheet, plate, and foil manufacturing	<1	51	98	571
Other aluminum rolling, drawing and extruding	<1	3	4	28
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	67	123	1,476
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	1	9
Ferrous metal foundries	<1	301	472	1,290
Nonferrous metal foundries	<1	149	189	546
Custom roll forming	<1	3	4	21
Crown and closure manufacturing and metal stamping	<1	194	265	746
Iron and steel forging	<1	15	22	77
Nonferrous forging	<1	8	11	36
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	11	20	48
Prefabricated metal buildings and components manufacturing	<1	17	26	94
Fabricated structural metal manufacturing	<1	292	471	1,558
Plate work manufacturing	<1	56	66	198
Metal window and door manufacturing	<1	32	48	144
Sheet metal work manufacturing	<1	215	307	898
Ornamental and architectural metal work manufacturing	<1	38	48	127
Power boiler and heat exchanger manufacturing	<1	77	111	299
Metal tank (heavy gauge) manufacturing	<1	50	64	180
Metal cans manufacturing	<1	19	41	199
Metal barrels, drums and pails manufacturing	<1	4	6	25
Hardware manufacturing	<1	6	9	34
Spring and wire product manufacturing	<1	61	85	246

## Appendix

Machine shops	<1	920	1,125	2,523
Turned product and screw, nut, and bolt manufacturing	<1	228	306	1,003
Metal heat treating	<1	27	37	96
Metal coating and nonprecious engraving	<1	184	356	1,027
Electroplating, anodizing, and coloring metal	<1	175	194	466
Valve and fittings, other than plumbing, manufacturing	<1	75	121	381
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	27	47	128
Small arms ammunition manufacturing	<1	2	6	14
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	2	4
Fabricated pipe and pipe fitting manufacturing	<1	10	13	38
Other fabricated metal manufacturing	<1	283	393	1,083
Farm machinery and equipment manufacturing	<1	<1	<1	6
Lawn and garden equipment manufacturing	<1	<1	<1	2
Construction machinery manufacturing	<1	5	9	36
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	13	15	55
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	0	0	<1
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	1	1	4
Optical instrument and lens manufacturing	<1	1	2	5
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	18	25	85

## Appendix

Air purification and ventilation equipment manufacturing	<1	3	4	14
Heating equipment (except warm air furnaces) manufacturing	<1	4	5	12
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	88	122	481
Industrial mold manufacturing	<1	10	11	28
Special tool, die, jig, and fixture manufacturing	<1	1	2	4
Cutting tool and machine tool accessory manufacturing	<1	7	7	21
Machine tool manufacturing	<1	6	7	29
Rolling mill and other metalworking machinery manufacturing	<1	1	2	4
Turbine and turbine generator set units manufacturing	<1	0	0	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4	4	14
Mechanical power transmission equipment manufacturing	<1	4	4	12
Other engine equipment manufacturing	<1	9	16	63
Pump and pumping equipment manufacturing	<1	9	12	41
Air and gas compressor manufacturing	<1	5	6	17
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	7	11	41
Industrial truck, trailer, and stacker manufacturing	<1	2	3	12
Power-driven handtool manufacturing	<1	2	3	14
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	4	4	10
Fluid power cylinder and actuator manufacturing	<1	<1	<1	4
Fluid power pump and motor manufacturing	<1	6	8	33

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	5	6	21
Electronic computer manufacturing	<1	<1	<1	2
Computer storage device manufacturing	<1	4	5	26
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	1
Telephone apparatus manufacturing	<1	<1	1	6
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	3
Audio and video equipment manufacturing	<1	<1	1	10
Printed circuit assembly (electronic assembly) manufacturing	<1	13	18	130
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	3	3	12
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	2	3	8
Other electronic component manufacturing	<1	18	19	53
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	2
Search, detection, and navigation instruments manufacturing	<1	<1	<1	4
Automatic environmental control manufacturing	<1	7	8	20
Industrial process variable instruments manufacturing	<1	6	7	21
Totalizing fluid meter and counting device manufacturing	<1	<1	2	5
Electricity and signal testing instruments manufacturing	<1	53	58	186
Analytical laboratory instrument manufacturing	<1	47,050	61,518	112,160
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	<1	6	13	105
Software and other prerecorded and record reproducing	<1	4	5	18
Electric lamp bulb and part manufacturing	<1	1	2	6
Lighting fixture manufacturing	<1	1	1	6
Small electrical appliance manufacturing	<1	3	4	20
Household cooking appliance manufacturing	<1	8	10	73
Household refrigerator and home freezer manufacturing	<1	10	12	80
Household laundry equipment manufacturing	<1	34	38	249
Other major household appliance manufacturing	<1	4	5	35
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	27	33	170
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	5
Relay and industrial control manufacturing	<1	32	34	132
Storage battery manufacturing	<1	5	6	26
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	<1	<1	3
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	34,012	54,115	157,089
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	8	8	25
Automobile manufacturing	<1	3	14	66
Light truck and utility vehicle manufacturing	<1	<1	4	25
Heavy duty truck manufacturing	<1	10	26	112
Motor vehicle body manufacturing	<1	2	4	13
Truck trailer manufacturing	<1	2	3	12
Motor home manufacturing	<1	72	151	480
Travel trailer and camper manufacturing	<1	66	85	455

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	11	20	104
Motor vehicle electrical and electronic equipment manufacturing	<1	13	20	99
Motor vehicle transmission and power train parts manufacturing	<1	30	52	291
Motor vehicle seating and interior trim manufacturing	<1	3	4	21
Motor vehicle metal stamping	<1	14	20	78
Other motor vehicle parts manufacturing	<1	87	138	648
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	54	98	403
Aircraft manufacturing	<1	2	2	6
Aircraft engine and engine parts manufacturing	<1	1	1	6
Other aircraft parts and auxiliary equipment manufacturing	<1	3	3	7
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	0	0	0	0
Boat building	<1	15	16	120
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	3
Military armored vehicle, tank, and tank component manufacturing	<1	5	4	28
All other transportation equipment manufacturing	<1	2	2	17
Wood kitchen cabinet and countertop manufacturing	<1	17	18	58
Upholstered household furniture manufacturing	<1	4	4	17
Nonupholstered wood household furniture manufacturing	<1	1	1	5
Other household nonupholstered furniture manufacturing	<1	<1	1	6
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1

## Appendix

Custom architectural woodwork and millwork	<1	2	2	6
Office furniture, except wood, manufacturing	<1	0	0	1
Showcase, partition, shelving, and locker manufacturing	<1	1	1	5
Mattress manufacturing	<1	7	9	50
Blind and shade manufacturing	<1	<1	<1	1
Surgical and medical instrument manufacturing	<1	8	10	30
Surgical appliance and supplies manufacturing	<1	12	17	49
Dental equipment and supplies manufacturing	<1	0	0	<1
Ophthalmic goods manufacturing	<1	0	<1	<1
Dental laboratories	<1	8	9	20
Jewelry and silverware manufacturing	<1	14	24	83
Sporting and athletic goods manufacturing	<1	<1	<1	3
Doll, toy, and game manufacturing	<1	<1	<1	4
Office supplies (except paper) manufacturing	<1	<1	<1	3
Sign manufacturing	<1	26	24	72
Gasket, packing, and sealing device manufacturing	<1	5	5	16
Musical instrument manufacturing	<1	<1	<1	2
Fasteners, buttons, needles, and pins manufacturing	<1	5	5	16
Broom, brush, and mop manufacturing	<1	11	12	43
Burial casket manufacturing	<1	2	2	6
All other miscellaneous manufacturing	<1	42	50	162
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	426	875	2,132
Wholesale - Professional and commercial equipment and supplies	<1	1,286	1,956	3,870
Wholesale - Household appliances and electrical and electronic goods	<1	2,170	5,089	13,344
Wholesale - Machinery, equipment, and supplies	<1	1,550	2,751	5,362
Wholesale - Other durable goods merchant wholesalers	<1	2,799	4,794	10,637

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	733	1,698	4,259
Wholesale - Grocery and related product wholesalers	<1	941	1,368	2,999
Wholesale - Petroleum and petroleum products	<1	264	3,062	4,010
Wholesale - Other nondurable goods merchant wholesalers	<1	1,975	4,212	9,263
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,485	2,801	3,578
Retail - Motor vehicle and parts dealers	<1	1,509	2,085	3,040
Retail - Furniture and home furnishings stores	<1	779	994	1,660
Retail - Electronics and appliance stores	<1	610	554	1,011
Retail - Building material and garden equipment and supplies stores	<1	872	1,630	2,376
Retail - Food and beverage stores	<1	1,917	2,575	4,238
Retail - Health and personal care stores	<1	1,407	1,781	2,741
Retail - Gasoline stores	<1	884	1,759	3,440
Retail - Clothing and clothing accessories stores	<1	610	1,060	2,551
Retail - Sporting goods, hobby, musical instrument and book stores	<1	613	799	1,415
Retail - General merchandise stores	<1	2,136	3,239	5,622
Retail - Miscellaneous store retailers	<1	1,456	1,461	2,668
Retail - Nonstore retailers	<1	1,096	6,596	11,522
Air transportation	<1	514	2,177	3,284
Rail transportation	<1	411	2,474	3,372
Water transportation	<1	-7	-7	151
Truck transportation	<1	4,253	6,192	13,114
Transit and ground passenger transportation	<1	166	194	463
Pipeline transportation	<1	2,081	2,822	2,958
Scenic and sightseeing transportation and support activities for transportation	<1	1,083	932	1,513
Couriers and messengers	<1	1,101	2,309	2,943
Warehousing and storage	<1	3,370	3,812	7,548
Newspaper publishers	<1	338	507	665
Periodical publishers	<1	302	409	540
Book publishers	<1	76	146	218



## Appendix

Directory, mailing list, and other publishers	<1	57	101	150
Greeting card publishing	0	0	0	0
Software publishers	<1	1,459	2,203	2,690
Motion picture and video industries	<1	264	406	1,320
Sound recording industries	<1	20	118	284
Radio and television broadcasting	<1	1,488	1,745	3,951
Cable and other subscription programming	<1	652	1,957	5,550
Wired telecommunications carriers	<1	1,041	2,185	4,237
Wireless telecommunications carriers (except satellite)	<1	212	1,708	5,154
Satellite, telecommunications resellers, and all other telecommunications	<1	178	210	660
Data processing, hosting, and related services	<1	623	1,075	4,545
News syndicates, libraries, archives and all other information services	<1	129	191	505
Internet publishing and broadcasting and web search portals	<1	422	981	4,806
Nondepository credit intermediation and related activities	<1	1,287	1,403	2,527
Securities and commodity contracts intermediation and brokerage	<1	1,318	1,068	3,620
Monetary authorities and depository credit intermediation	<1	4,562	12,956	22,365
Other financial investment activities	<1	1,415	1,693	7,264
Direct life insurance carriers	<1	711	1,558	2,344
Insurance carriers, except direct life	<1	1,128	3,905	8,977
Insurance agencies, brokerages, and related activities	<1	2,090	3,313	9,504
Funds, trusts, and other financial vehicles	<1	723	693	4,370
Other real estate	<1	3,098	11,131	30,554
Tenant-occupied housing	<1	361	6,509	6,951
Owner-occupied dwellings	0	0	30,003	36,209
Automotive equipment rental and leasing	<1	584	2,355	2,908

## Appendix

General and consumer goods rental except video tapes and discs	<1	373	672	1,008
Video tape and disc rental	<1	119	198	335
Commercial and industrial machinery and equipment rental and leasing	<1	438	1,514	1,880
Lessors of nonfinancial intangible assets	<1	47	1,154	1,278
Legal services	<1	4,390	5,920	9,657
Accounting, tax preparation, bookkeeping, and payroll services	<1	3,595	4,246	7,430
Architectural, engineering, and related services	<1	1,250	1,344	2,654
Specialized design services	<1	106	164	363
Custom computer programming services	<1	936	994	1,479
Computer systems design services	<1	443	400	546
Other computer related services, including facilities management	<1	1,018	1,130	2,750
Management consulting services	<1	4,100	4,253	7,545
Environmental and other technical consulting services	<1	875	956	1,705
Scientific research and development services	<1	44,878	57,548	119,732
Advertising, public relations, and related services	<1	1,376	1,792	5,013
Photographic services	<1	50	111	292
Veterinary services	<1	327	361	605
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,143	1,599	4,231
Management of companies and enterprises	<1	13,665	14,719	23,868
Office administrative services	<1	1,816	687	2,003
Facilities support services	<1	266	368	880
Employment services	<1	7,426	10,407	17,385
Business support services	<1	1,511	1,343	2,468
Travel arrangement and reservation services	<1	232	378	1,417
Investigation and security services	<1	879	916	1,318
Services to buildings	<1	815	1,206	2,607
Landscape and horticultural services	<1	723	926	1,768
Other support services	<1	856	1,134	2,398
Waste management and remediation services	<1	432	662	1,476

## Appendix

Elementary and secondary schools	<1	1,080	1,055	1,238
Junior colleges, colleges, universities, and professional schools	<1	887	1,254	1,772
Other educational services	<1	677	774	1,467
Offices of physicians	<1	7,439	7,566	10,773
Offices of dentists	<1	1,855	2,266	3,056
Offices of other health practitioners	<1	1,348	2,122	2,710
Outpatient care centers	<1	2,031	2,031	3,274
Medical and diagnostic laboratories	<1	654	1,106	1,534
Home health care services	<1	976	984	1,276
Other ambulatory health care services	<1	603	728	1,125
Hospitals	<1	14,884	17,119	31,706
Nursing and community care facilities	<1	1,916	2,045	3,326
Residential mental retardation, mental health, substance abuse and other facilities	<1	666	682	1,072
Individual and family services	<1	2,510	2,355	3,217
Child day care services	<1	758	1,311	1,725
Community food, housing, and other relief services, including rehabilitation services	<1	471	473	1,094
Performing arts companies	<1	223	271	583
Commercial Sports Except Racing	<1	764	418	862
Racing and Track Operation	<1	67	84	174
Independent artists, writers, and performers	<1	139	190	389
Promoters of performing arts and sports and agents for public figures	<1	227	302	939
Museums, historical sites, zoos, and parks	<1	96	103	193
Amusement parks and arcades	<1	28	79	95
Gambling industries (except casino hotels)	<1	162	555	762
Other amusement and recreation industries	<1	275	290	441
Fitness and recreational sports centers	<1	157	258	416
Bowling centers	<1	25	44	74
Hotels and motels, including casino hotels	<1	200	406	671
Other accommodations	<1	85	113	149

## Appendix

Full-service restaurants	<1	4,588	6,278	12,540
Limited-service restaurants	<1	3,631	5,162	12,049
All other food and drinking places	<1	2,385	3,170	5,173
Automotive repair and maintenance, except car washes	<1	2,517	3,011	4,387
Car washes	<1	1,272	1,789	2,734
Electronic and precision equipment repair and maintenance	<1	400	549	962
Commercial and industrial machinery and equipment repair and maintenance	<1	5,602	6,446	9,925
Personal and household goods repair and maintenance	<1	188	399	573
Personal care services	<1	553	510	608
Death care services	<1	209	204	275
Dry-cleaning and laundry services	<1	300	282	351
Other personal services	<1	464	601	894
Religious organizations	<1	1,280	1,106	2,606
Grantmaking, giving, and social advocacy organizations	<1	415	1,666	2,322
Business and professional associations	<1	352	688	1,171
Labor and civic organizations	<1	263	1,002	1,578
Private households	<1	292	292	292
Postal service	<1	2,623	2,633	2,634
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	85	-133	178
State government passenger transit	0	0	0	0
State government electric utilities	<1	4,895	18,132	33,752
Other state government enterprises	<1	288	564	852
Local government passenger transit	<1	409	134	293
Local government electric utilities	<1	88	321	721
Other local government enterprises	<1	2,369	6,198	14,520
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	188,237	256,726	469,802

## Investments in Climate Change Research and Technology

**Table 735: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	336	22,266,897	34,267,440	70,955,557
Oilseed farming	<1	1,084	2,021	6,841
Grain farming	<1	12,228	-16,854	102,732
Vegetable and melon farming	<1	503	667	2,249
Fruit farming	<1	117	148	388
Tree nut farming	<1	216	279	781
Greenhouse, nursery, and floriculture production	<1	1,747	2,300	8,116
Tobacco farming	0	0	0	0
Cotton farming	<1	996	1,176	4,066
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	4,191	4,535	18,233
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	1	14,891	20,073	114,931
Dairy cattle and milk production	<1	1,365	1,860	18,073
Poultry and egg production	<1	1,554	2,016	42,848
Animal production, except cattle and poultry and eggs	1	39,055	69,105	162,750
Forestry, forest products, and timber tract production	<1	478	638	944

Appendix

Commercial logging	<1	620	1,261	2,441
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	3	222	366
Support activities for agriculture and forestry	<1	31,994	33,563	37,958
Oil and gas extraction	<1	171,681	646,004	1,334,639
Coal mining	<1	9,050	10,178	14,662
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	8,863	8,396	19,633
Sand and gravel mining	<1	7,171	7,313	11,796
Other clay, ceramic, refractory minerals mining	<1	286	291	522
Potash, soda, and borate mineral mining	<1	504	538	835
Phosphate rock mining	<1	130	139	235
Other chemical and fertilizer mineral mining	<1	56	58	94
Other nonmetallic minerals	<1	1,124	1,232	1,967
Drilling oil and gas wells	<1	42	135	243
Support activities for oil and gas operations	<1	1,762	3,315	6,494
Metal mining services	<1	4,828	22,738	50,402
Other nonmetallic minerals services	<1	356	1,453	3,019
Electric power generation - Hydroelectric	<1	299	644	1,678
Electric power generation - Fossil fuel	<1	40,655	137,268	390,041
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	255	523	1,164
Electric power generation - Wind	<1	8,023	62,146	137,481
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	30	84	333
Electric power generation - All other	<1	20	-11	13
Electric power transmission and distribution	<1	77,440	255,397	743,982

## Appendix

Natural gas distribution	<1	37,579	115,747	271,431
Water, sewage and other systems	<1	1,467	2,928	5,896
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	51,990	63,465	204,933
Maintenance and repair construction of residential structures	<1	23,130	29,440	85,688
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	11	34
Dog and cat food manufacturing	<1	2,967	7,165	29,113
Other animal food manufacturing	<1	2,436	4,133	40,803
Flour milling	<1	1,375	2,785	20,343
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	559	3,158	26,470
Fats and oils refining and blending	<1	67	166	1,395
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	83	114	554

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	56	80	416
Confectionery manufacturing from purchased chocolate	0	0	0	0
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	83	111	545
Canned fruits and vegetables manufacturing	<1	143	262	1,582
Canned specialties	<1	280	611	3,056
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	194	266	2,522
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	2,914	4,436	32,156
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	341	467	2,098
Frozen cakes and other pastries manufacturing	<1	2,436	3,456	6,370
Poultry processing	<1	8,541	10,231	53,277
Animal, except poultry, slaughtering	<1	6,383	7,567	65,521
Meat processed from carcasses	<1	10,602	10,039	84,315
Rendering and meat byproduct processing	<1	263	249	1,329
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	9,542	13,364	32,492
Cookie and cracker manufacturing	<1	2,112	2,867	11,923
Dry pasta, mixes, and dough manufacturing	<1	735	1,594	6,700
Tortilla manufacturing	<1	460	606	3,432
Roasted nuts and peanut butter manufacturing	<1	552	833	4,207
Other snack food manufacturing	<1	497	716	4,132
Coffee and tea manufacturing	<1	84	147	1,077
Flavoring syrup and concentrate manufacturing	<1	57	373	569
Mayonnaise, dressing, and sauce manufacturing	<1	59	109	619
Spice and extract manufacturing	<1	2	3	33
All other food manufacturing	<1	952	1,303	4,467
Bottled and canned soft drinks & water	<1	6,849	11,733	58,123
Manufactured ice	<1	402	271	1,290



## Appendix

Breweries	<1	1,452	2,760	10,236
Wineries	<1	293	506	2,938
Distilleries	<1	307	1,015	3,072
Tobacco product manufacturing	<1	1,936	37,893	73,800
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	29	31	128
Nonwoven fabric mills	<1	160	213	1,447
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	33	38	241
Fabric coating mills	<1	57	66	481
Carpet and rug mills	<1	92	115	525
Curtain and linen mills	<1	127	143	681
Textile bag and canvas mills	<1	180	209	927
Rope, cordage, twine, tire cord and tire fabric mills	<1	144	174	777
Other textile product mills	<1	220	240	1,026
Hosiery and sock mills	<1	12	21	55
Other apparel knitting mills	<1	17	29	83
Cut and sew apparel contractors	<1	163	203	489
Men's and boys' cut and sew apparel manufacturing	<1	84	125	357
Women's and girls' cut and sew apparel manufacturing	<1	100	232	822
Other cut and sew apparel manufacturing	<1	45	81	246
Apparel accessories and other apparel manufacturing	<1	183	346	864
Leather and hide tanning and finishing	<1	41	80	342
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	70	83	289
Sawmills	<1	1,144	2,443	9,005
Wood preservation	<1	90	329	1,177
Veneer and plywood manufacturing	<1	3	5	49
Engineered wood member and truss manufacturing	<1	241	478	1,550
Reconstituted wood product manufacturing	<1	656	2,565	8,165
Wood windows and door manufacturing	<1	508	784	2,311
Cut stock, resawing lumber, and planing	<1	13	34	102

## Appendix

Other millwork, including flooring	<1	783	1,551	4,844
Wood container and pallet manufacturing	<1	1,512	2,429	7,054
Manufactured home (mobile home) manufacturing	<1	5	8	27
Prefabricated wood building manufacturing	<1	64	141	393
All other miscellaneous wood product manufacturing	<1	205	348	1,141
Pulp mills	0	0	0	0
Paper mills	<1	10,580	36,057	99,443
Paperboard mills	<1	2,027	5,852	18,217
Paperboard container manufacturing	<1	3,787	7,208	28,999
Paper bag and coated and treated paper manufacturing	<1	567	1,143	4,048
Stationery product manufacturing	<1	254	372	1,625
Sanitary paper product manufacturing	<1	1,150	4,979	13,961
All other converted paper product manufacturing	<1	200	447	1,406
Printing	<1	23,416	27,647	77,088
Support activities for printing	<1	52	61	138
Petroleum refineries	<1	41,321	44,538	1,005,828
Asphalt paving mixture and block manufacturing	<1	1,148	1,156	6,903
Asphalt shingle and coating materials manufacturing	<1	1,700	1,654	8,022
Petroleum lubricating oil and grease manufacturing	<1	1,104	1,032	5,607
All other petroleum and coal products manufacturing	<1	5,524	5,802	31,413
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	8,268	17,030	67,980
Synthetic dye and pigment manufacturing	<1	58	113	424
Other basic inorganic chemical manufacturing	<1	1,644	3,604	12,569
Other basic organic chemical manufacturing	<1	574	1,404	11,689
Plastics material and resin manufacturing	<1	1,309	2,247	17,713
Synthetic rubber manufacturing	<1	121	170	908
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	2,291	8,723	28,077

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	38	82	312
Pesticide and other agricultural chemical manufacturing	<1	592	2,127	11,181
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	1,941	5,230	15,593
In-vitro diagnostic substance manufacturing	<1	120	183	424
Biological product (except diagnostic) manufacturing	<1	216	727	1,541
Paint and coating manufacturing	<1	1,164	2,367	9,647
Adhesive manufacturing	<1	134	225	1,079
Soap and other detergent manufacturing	<1	259	739	3,030
Polish and other sanitation good manufacturing	<1	644	1,104	3,689
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	64	199	689
Printing ink manufacturing	<1	49	53	256
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	133	224	965
Photographic film and chemical manufacturing	<1	574	1,342	4,841
Other miscellaneous chemical product manufacturing	<1	1,068	1,749	8,161
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,277	3,982	16,152
Unlaminated plastics profile shape manufacturing	<1	472	1,191	3,647
Plastics pipe and pipe fitting manufacturing	<1	2,218	7,034	24,624
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	106	193	637
Polystyrene foam product manufacturing	<1	1,929	3,711	14,941
Urethane and other foam product (except polystyrene) manufacturing	<1	688	1,289	6,072
Plastics bottle manufacturing	<1	325	549	2,680
Other plastics product manufacturing	<1	3,505	5,531	18,243
Tire manufacturing	<1	14,977	19,575	71,007

## Appendix

Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	3,150	4,217	18,784
Pottery, ceramics, and plumbing fixture manufacturing	<1	433	715	1,729
Brick, tile, and other structural clay product manufacturing	<1	1,370	2,505	6,123
Flat glass manufacturing	<1	508	1,071	2,435
Other pressed and blown glass and glassware manufacturing	<1	348	602	1,365
Glass container manufacturing	<1	932	1,563	3,950
Glass product manufacturing made of purchased glass	<1	2,581	4,990	13,161
Cement manufacturing	<1	881	2,198	6,050
Ready-mix concrete manufacturing	<1	6,090	10,580	36,103
Concrete block and brick manufacturing	<1	1,039	1,988	5,588
Concrete pipe manufacturing	<1	295	521	1,306
Other concrete product manufacturing	<1	1,760	2,783	7,757
Lime manufacturing	<1	1,385	3,350	9,868
Gypsum product manufacturing	<1	1,297	4,097	11,600
Abrasive product manufacturing	<1	47	113	266
Cut stone and stone product manufacturing	<1	1,303	1,766	4,273
Ground or treated mineral and earth manufacturing	<1	41	109	328
Mineral wool manufacturing	<1	130	391	1,297
Miscellaneous nonmetallic mineral products manufacturing	<1	310	801	1,880
Iron and steel mills and ferroalloy manufacturing	<1	1,659	3,807	30,705
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,157	4,321	22,490
Rolled steel shape manufacturing	<1	324	996	3,877
Steel wire drawing	<1	697	1,288	5,306
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	129	239	3,362
Aluminum sheet, plate, and foil manufacturing	<1	606	1,184	6,839
Other aluminum rolling, drawing and extruding	<1	5,314	8,456	37,900
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	80	159	1,977
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	2	4	27
Ferrous metal foundries	<1	725	1,139	3,142
Nonferrous metal foundries	<1	115	147	432
Custom roll forming	<1	19	28	152
Crown and closure manufacturing and metal stamping	<1	416	568	1,637
Iron and steel forging	<1	121	175	638
Nonferrous forging	<1	67	89	307
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	181	314	811
Prefabricated metal buildings and components manufacturing	<1	980	1,596	5,556
Fabricated structural metal manufacturing	<1	6,371	10,297	34,163
Plate work manufacturing	<1	3,186	3,683	11,502
Metal window and door manufacturing	<1	1,940	2,855	9,013
Sheet metal work manufacturing	<1	1,456	2,109	6,422
Ornamental and architectural metal work manufacturing	<1	2,445	3,097	8,431
Power boiler and heat exchanger manufacturing	<1	1,224	1,772	4,815
Metal tank (heavy gauge) manufacturing	<1	338	430	1,298
Metal cans manufacturing	<1	253	518	2,582
Metal barrels, drums and pails manufacturing	<1	1,527	1,968	8,436
Hardware manufacturing	<1	251	394	1,497
Spring and wire product manufacturing	<1	1,493	2,057	6,059
Machine shops	<1	7,028	8,604	19,593
Turned product and screw, nut, and bolt manufacturing	<1	324	435	1,445
Metal heat treating	<1	181	250	635
Metal coating and nonprecious engraving	<1	1,254	2,402	7,087
Electroplating, anodizing, and coloring metal	<1	1,336	1,476	3,570
Valve and fittings, other than plumbing, manufacturing	<1	2,328	3,640	10,521
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	<1	74	131	358
Small arms ammunition manufacturing	<1	113	285	680
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	21	50	146
Fabricated pipe and pipe fitting manufacturing	<1	480	631	1,827
Other fabricated metal manufacturing	<1	4,260	6,014	17,303
Farm machinery and equipment manufacturing	<1	109	172	1,067
Lawn and garden equipment manufacturing	<1	14	20	143
Construction machinery manufacturing	<1	397	722	3,259
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	1,384	1,655	5,477
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	2	2	8
Sawmill, woodworking, and paper machinery	<1	9	10	31
Printing machinery and equipment manufacturing	<1	2	2	8
All other industrial machinery manufacturing	<1	11	13	39
Optical instrument and lens manufacturing	<1	93	119	329
Photographic and photocopying equipment manufacturing	<1	14	15	51
Other commercial service industry machinery manufacturing	<1	237	322	1,097
Air purification and ventilation equipment manufacturing	<1	230	273	1,019
Heating equipment (except warm air furnaces) manufacturing	<1	224	294	742
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,263	6,201	24,931
Industrial mold manufacturing	<1	296	333	883
Special tool, die, jig, and fixture manufacturing	<1	7	8	21

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	37	41	126
Machine tool manufacturing	<1	39	45	183
Rolling mill and other metalworking machinery manufacturing	<1	9	10	27
Turbine and turbine generator set units manufacturing	<1	4	4	18
Speed changer, industrial high-speed drive, and gear manufacturing	<1	68	86	243
Mechanical power transmission equipment manufacturing	<1	226	282	744
Other engine equipment manufacturing	<1	320	570	2,212
Pump and pumping equipment manufacturing	<1	220	308	1,024
Air and gas compressor manufacturing	<1	67	81	254
Elevator and moving stairway manufacturing	<1	3	4	12
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	169	246	972
Industrial truck, trailer, and stacker manufacturing	<1	54	75	278
Power-driven handtool manufacturing	<1	44	91	385
Welding and soldering equipment manufacturing	<1	3	3	16
Packaging machinery manufacturing	<1	1	2	7
Industrial process furnace and oven manufacturing	<1	119	134	302
Fluid power cylinder and actuator manufacturing	<1	29	36	130
Fluid power pump and motor manufacturing	<1	283	382	1,577
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	41	47	168
Electronic computer manufacturing	<1	11	12	62
Computer storage device manufacturing	<1	159	192	1,009
Computer terminals and other computer peripheral equipment manufacturing	<1	7	8	33
Telephone apparatus manufacturing	<1	129	164	761

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	5	5	17
Other communications equipment manufacturing	<1	41	51	233
Audio and video equipment manufacturing	<1	22	28	252
Printed circuit assembly (electronic assembly) manufacturing	<1	41	50	380
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	31	38	129
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	271	296	916
Other electronic component manufacturing	<1	97	103	297
Electromedical and electrotherapeutic apparatus manufacturing	<1	16	19	57
Search, detection, and navigation instruments manufacturing	<1	5	6	25
Automatic environmental control manufacturing	<1	277	315	773
Industrial process variable instruments manufacturing	<1	130	150	462
Totalizing fluid meter and counting device manufacturing	<1	91	129	455
Electricity and signal testing instruments manufacturing	<1	3	3	11
Analytical laboratory instrument manufacturing	<1	4	4	9
Irradiation apparatus manufacturing	<1	0	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	9	10	39
Blank magnetic and optical recording media manufacturing	<1	183	417	3,788
Software and other prerecorded and record reproducing	<1	196	239	997
Electric lamp bulb and part manufacturing	<1	25	29	103
Lighting fixture manufacturing	<1	81	87	412
Small electrical appliance manufacturing	<1	146	180	949



## Appendix

Household cooking appliance manufacturing	<1	445	512	3,902
Household refrigerator and home freezer manufacturing	<1	553	625	4,192
Household laundry equipment manufacturing	<1	1,724	1,857	13,154
Other major household appliance manufacturing	<1	247	284	1,843
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	3
Motor and generator manufacturing	<1	585	712	3,721
Switchgear and switchboard apparatus manufacturing	<1	13	15	88
Relay and industrial control manufacturing	<1	116	123	511
Storage battery manufacturing	<1	188	216	987
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	33	37	214
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	2,512	3,999	11,575
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	44	46	141
Automobile manufacturing	<1	198	1,177	4,696
Light truck and utility vehicle manufacturing	<1	55	314	1,821
Heavy duty truck manufacturing	<1	670	1,701	8,477
Motor vehicle body manufacturing	<1	129	194	692
Truck trailer manufacturing	<1	74	112	489
Motor home manufacturing	<1	8,062	16,772	55,953
Travel trailer and camper manufacturing	<1	5,348	7,100	36,504
Motor vehicle gasoline engine and engine parts manufacturing	<1	633	1,219	6,218
Motor vehicle electrical and electronic equipment manufacturing	<1	1,073	1,663	8,933
Motor vehicle transmission and power train parts manufacturing	<1	1,239	2,206	13,764
Motor vehicle seating and interior trim manufacturing	<1	153	199	1,170
Motor vehicle metal stamping	<1	1,708	2,415	9,792
Other motor vehicle parts manufacturing	<1	2,760	4,526	21,194

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,259	5,605	24,371
Aircraft manufacturing	<1	370	416	1,409
Aircraft engine and engine parts manufacturing	<1	432	474	1,923
Other aircraft parts and auxiliary equipment manufacturing	<1	12,472	12,912	35,076
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	12	12	71
Ship building and repairing	0	0	0	0
Boat building	<1	1,125	1,216	9,410
Motorcycle, bicycle, and parts manufacturing	<1	29	24	203
Military armored vehicle, tank, and tank component manufacturing	<1	980	877	5,840
All other transportation equipment manufacturing	<1	146	150	1,490
Wood kitchen cabinet and countertop manufacturing	<1	1,344	1,522	4,883
Upholstered household furniture manufacturing	<1	150	159	732
Nonupholstered wood household furniture manufacturing	<1	57	60	252
Other household nonupholstered furniture manufacturing	<1	48	63	296
Institutional furniture manufacturing	<1	12	12	65
Wood office furniture manufacturing	<1	7	8	28
Custom architectural woodwork and millwork	<1	158	148	511
Office furniture, except wood, manufacturing	<1	6	8	53
Showcase, partition, shelving, and locker manufacturing	<1	44	51	207
Mattress manufacturing	<1	333	443	2,620
Blind and shade manufacturing	<1	14	14	74
Surgical and medical instrument manufacturing	<1	356	400	1,288
Surgical appliance and supplies manufacturing	<1	511	639	2,026

## Appendix

Dental equipment and supplies manufacturing	<1	2	3	9
Ophthalmic goods manufacturing	<1	5	6	32
Dental laboratories	<1	326	337	781
Jewelry and silverware manufacturing	<1	727	1,182	4,234
Sporting and athletic goods manufacturing	<1	18	20	116
Doll, toy, and game manufacturing	<1	20	23	134
Office supplies (except paper) manufacturing	<1	36	40	177
Sign manufacturing	<1	1,891	1,673	5,256
Gasket, packing, and sealing device manufacturing	<1	290	298	948
Musical instrument manufacturing	<1	13	14	48
Fasteners, buttons, needles, and pins manufacturing	<1	182	186	562
Broom, brush, and mop manufacturing	<1	375	380	1,531
Burial casket manufacturing	<1	133	157	520
All other miscellaneous manufacturing	<1	2,138	2,426	8,420
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	17,892	37,601	90,312
Wholesale - Professional and commercial equipment and supplies	<1	46,507	71,259	142,731
Wholesale - Household appliances and electrical and electronic goods	<1	18,978	45,442	119,762
Wholesale - Machinery, equipment, and supplies	<1	41,096	74,203	144,511
Wholesale - Other durable goods merchant wholesalers	<1	47,400	83,071	184,168
Wholesale - Drugs and druggists'sundries	<1	34,773	84,222	213,501
Wholesale - Grocery and related product wholesalers	<1	45,866	68,485	150,601
Wholesale - Petroleum and petroleum products	<1	16,515	148,017	200,759
Wholesale - Other nondurable goods merchant wholesalers	1	76,937	159,904	360,765
Wholesale - Wholesale electronic markets and agents and brokers	<1	53,843	61,341	79,082
Retail - Motor vehicle and parts dealers	1	76,666	106,120	156,125
Retail - Furniture and home furnishings stores	<1	36,212	46,357	78,974

## Appendix

Retail - Electronics and appliance stores	<1	28,746	25,844	48,938
Retail - Building material and garden equipment and supplies stores	<1	41,613	78,978	116,235
Retail - Food and beverage stores	2	84,168	114,440	192,033
Retail - Health and personal care stores	1	64,311	81,974	129,621
Retail - Gasoline stores	1	39,299	82,862	167,275
Retail - Clothing and clothing accessories stores	1	28,165	50,075	124,978
Retail - Sporting goods, hobby, musical instrument and book stores	<1	27,184	35,976	65,790
Retail - General merchandise stores	3	103,289	157,749	278,485
Retail - Miscellaneous store retailers	3	64,997	65,974	125,410
Retail - Nonstore retailers	3	50,803	307,956	541,674
Air transportation	<1	25,744	103,909	162,901
Rail transportation	<1	12,989	83,741	110,443
Water transportation	<1	-175	-157	3,768
Truck transportation	2	135,315	200,476	439,854
Transit and ground passenger transportation	<1	6,753	8,122	22,229
Pipeline transportation	<1	169,032	185,351	205,364
Scenic and sightseeing transportation and support activities for transportation	1	102,649	92,387	147,842
Couriers and messengers	2	45,270	102,868	130,698
Warehousing and storage	2	109,574	123,090	248,891
Newspaper publishers	<1	18,463	24,477	34,443
Periodical publishers	<1	13,454	15,433	23,192
Book publishers	<1	4,360	7,268	11,844
Directory, mailing list, and other publishers	<1	4,036	6,349	9,950
Greeting card publishing	0	0	0	0
Software publishers	<1	82,263	110,074	143,720
Motion picture and video industries	<1	11,546	17,030	64,691
Sound recording industries	<1	973	5,294	14,198
Radio and television broadcasting	<1	76,316	91,649	242,181
Cable and other subscription programming	<1	26,657	82,477	257,954
Wired telecommunications carriers	<1	61,884	128,339	253,883

## Appendix

Wireless telecommunications carriers (except satellite)	<1	12,950	94,373	301,360
Satellite, telecommunications resellers, and all other telecommunications	<1	10,500	13,832	41,493
Data processing, hosting, and related services	<1	40,324	68,252	304,751
News syndicates, libraries, archives and all other information services	<1	7,902	11,356	32,561
Internet publishing and broadcasting and web search portals	<1	25,257	56,643	317,450
Nondepository credit intermediation and related activities	<1	60,263	65,285	122,329
Securities and commodity contracts intermediation and brokerage	2	50,307	42,612	166,879
Monetary authorities and depository credit intermediation	5	376,220	897,575	1,679,244
Other financial investment activities	2	49,309	58,626	299,381
Direct life insurance carriers	<1	35,111	76,484	122,050
Insurance carriers, except direct life	<1	67,222	229,579	557,387
Insurance agencies, brokerages, and related activities	2	110,500	175,313	521,825
Funds, trusts, and other financial vehicles	<1	29,301	28,117	195,505
Other real estate	19	323,404	1,254,943	3,636,755
Tenant-occupied housing	<1	13,565	268,592	291,280
Owner-occupied dwellings	0	0	1,316,679	1,598,744
Automotive equipment rental and leasing	<1	30,886	119,584	153,347
General and consumer goods rental except video tapes and discs	<1	19,908	36,429	55,270
Video tape and disc rental	<1	5,513	9,327	15,852
Commercial and industrial machinery and equipment rental and leasing	<1	25,500	85,730	108,746
Lessors of nonfinancial intangible assets	<1	2,811	59,560	66,398
Legal services	7	567,947	732,595	1,223,046
Accounting, tax preparation, bookkeeping, and payroll services	3	216,388	247,281	451,146
Architectural, engineering, and related services	2	175,152	186,420	375,317
Specialized design services	<1	4,640	6,881	16,246

## Appendix

Custom computer programming services	<1	28,125	29,945	46,079
Computer systems design services	<1	26,454	23,793	33,279
Other computer related services, including facilities management	<1	69,399	77,098	192,405
Management consulting services	7	478,699	494,835	911,507
Environmental and other technical consulting services	1	79,905	85,925	158,863
Scientific research and development services	125	10,680,736	14,086,249	29,394,126
Advertising, public relations, and related services	1	79,540	100,654	297,344
Photographic services	<1	3,518	7,141	20,733
Veterinary services	<1	15,683	16,955	29,355
Marketing research and all other miscellaneous professional, scientific, and technical services	2	132,775	181,907	500,818
Management of companies and enterprises	6	762,902	818,193	1,376,276
Office administrative services	2	147,170	53,099	169,660
Facilities support services	<1	20,353	27,597	70,392
Employment services	18	787,863	1,084,556	1,955,161
Business support services	3	110,779	97,101	192,280
Travel arrangement and reservation services	<1	18,026	29,559	117,672
Investigation and security services	1	53,651	55,862	84,037
Services to buildings	2	62,109	90,335	205,717
Landscape and horticultural services	1	49,200	62,458	125,271
Other support services	<1	43,249	57,003	128,375
Waste management and remediation services	<1	29,560	46,045	103,570
Elementary and secondary schools	<1	41,446	41,199	49,442
Junior colleges, colleges, universities, and professional schools	6	210,337	297,742	435,257
Other educational services	<1	28,410	32,264	63,268
Offices of physicians	3	349,642	354,184	512,895
Offices of dentists	1	80,799	96,494	132,464
Offices of other health practitioners	1	63,228	95,024	123,675
Outpatient care centers	1	82,401	81,961	133,264
Medical and diagnostic laboratories	<1	29,301	47,072	67,710
Home health care services	<1	42,485	42,611	56,754

## Appendix

Other ambulatory health care services	<1	26,758	31,636	50,332
Hospitals	6	582,164	661,086	1,244,228
Nursing and community care facilities	2	75,059	79,806	135,663
Residential mental retardation, mental health, substance abuse and other facilities	<1	23,577	24,080	39,345
Individual and family services	3	86,516	79,075	112,710
Child day care services	1	31,115	49,616	68,671
Community food, housing, and other relief services, including rehabilitation services	<1	15,516	15,446	38,029
Performing arts companies	<1	9,977	12,235	28,775
Commercial Sports Except Racing	1	43,989	21,854	47,812
Racing and Track Operation	<1	2,492	3,433	7,587
Independent artists, writers, and performers	<1	7,293	10,293	21,994
Promoters of performing arts and sports and agents for public figures	<1	10,121	14,263	48,238
Museums, historical sites, zoos, and parks	<1	3,493	3,730	7,362
Amusement parks and arcades	<1	1,181	3,251	4,037
Gambling industries (except casino hotels)	<1	6,057	20,254	28,733
Other amusement and recreation industries	<1	12,320	12,868	20,228
Fitness and recreational sports centers	<1	6,845	10,673	18,294
Bowling centers	<1	1,094	1,840	3,292
Hotels and motels, including casino hotels	<1	10,073	21,719	36,314
Other accommodations	<1	2,927	3,953	5,342
Full-service restaurants	8	238,432	329,481	682,396
Limited-service restaurants	6	169,674	243,379	598,816
All other food and drinking places	4	137,318	185,219	312,061
Automotive repair and maintenance, except car washes	2	114,097	145,088	213,169
Car washes	1	62,003	88,054	136,189
Electronic and precision equipment repair and maintenance	<1	32,326	44,671	81,304
Commercial and industrial machinery and equipment repair and maintenance	1	62,498	74,162	122,803
Personal and household goods repair and maintenance	<1	11,777	27,883	39,697

## Appendix

Personal care services	<1	23,049	25,787	30,129
Death care services	<1	8,746	9,944	13,265
Dry-cleaning and laundry services	<1	19,732	21,915	26,940
Other personal services	<1	25,685	34,777	52,482
Religious organizations	<1	43,732	47,854	99,535
Grantmaking, giving, and social advocacy organizations	<1	12,162	61,046	83,119
Business and professional associations	<1	18,302	41,550	70,561
Labor and civic organizations	<1	8,619	41,058	62,482
Private households	<1	13,053	13,053	13,109
Postal service	<1	69,469	69,679	70,203
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	4,267	-5,922	8,381
State government passenger transit	0	0	0	0
State government electric utilities	<1	23,599	75,610	137,890
Other state government enterprises	<1	21,698	52,839	81,088
Local government passenger transit	<1	22,361	16,969	24,320
Local government electric utilities	<1	4,845	21,287	47,084
Other local government enterprises	3	191,784	702,257	1,390,341
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	233,783	600,615	1,098,465

## Oregon

## NASA

Table 736: Detailed NASA Impacts by Types of Impact, Oregon

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	233	19,821,268	30,444,510	53,974,068
Oilseed farming	<1	47	778	990
Grain farming	<1	9,282	32,275	83,259
Vegetable and melon farming	<1	5,107	13,004	23,693
Fruit farming	<1	4,644	12,133	18,122
Tree nut farming	<1	920	2,447	3,762
Greenhouse, nursery, and floriculture production	<1	7,269	14,178	22,050
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	87	168	275
All other crop farming	<1	4,511	8,497	14,061
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	2,279	17,707	44,262
Dairy cattle and milk production	<1	2,325	7,264	33,601
Poultry and egg production	<1	1,723	3,478	26,638
Animal production, except cattle and poultry and eggs	<1	5,324	29,656	33,682
Forestry, forest products, and timber tract production	<1	918	1,015	1,235
Commercial logging	<1	5,765	6,318	9,188
Commercial fishing	<1	6,974	4,336	4,376
Commercial hunting and trapping	<1	846	932	1,021
Support activities for agriculture and forestry	<1	33,506	35,078	38,275
Oil and gas extraction	<1	32	45	39,323
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	26	90	247
Silver ore mining	<1	6	14	40
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,229	4,849	9,057
Sand and gravel mining	<1	1,681	3,198	6,664

## Appendix

Other clay, ceramic, refractory minerals mining	<1	221	451	988
Potash, soda, and borate mineral mining	<1	129	213	541
Phosphate rock mining	<1	39	82	204
Other chemical and fertilizer mineral mining	<1	46	77	196
Other nonmetallic minerals	<1	347	681	1,679
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	<1	1	11
Metal mining services	<1	<1	<1	961
Other nonmetallic minerals services	<1	4	6	80
Electric power generation - Hydroelectric	<1	2,737	6,697	12,379
Electric power generation - Fossil fuel	<1	3,305	11,919	24,958
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	280	689	1,272
Electric power generation - Wind	<1	4,331	32,880	55,278
Electric power generation - Geothermal	<1	420	925	1,564
Electric power generation - Biomass	<1	2,442	7,072	16,606
Electric power generation - All other	<1	173	13	95
Electric power transmission and distribution	<1	44,037	149,513	307,170
Natural gas distribution	<1	19,363	67,820	131,862
Water, sewage and other systems	<1	1,998	4,279	7,853
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	58,116	77,359	185,363
Maintenance and repair construction of residential structures	<1	26,418	34,352	78,876
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	14	19	44
Dog and cat food manufacturing	<1	530	1,258	6,299
Other animal food manufacturing	<1	2,365	4,259	33,054
Flour milling	<1	2,410	4,549	33,923
Rice milling	0	0	0	0
Malt manufacturing	<1	707	1,067	7,236
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	276	1,385	13,887
Fats and oils refining and blending	<1	130	306	4,143
Breakfast cereal manufacturing	<1	3,054	6,488	34,549
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	837	1,128	6,105
Chocolate and confectionery manufacturing from cacao beans	<1	95	137	892
Confectionery manufacturing from purchased chocolate	<1	708	972	6,164
Frozen fruits, juices and vegetables manufacturing	<1	3,346	6,195	27,935
Frozen specialties manufacturing	<1	5,405	6,944	31,918
Canned fruits and vegetables manufacturing	<1	1,224	2,109	10,426
Canned specialties	<1	2,788	5,591	29,109
Dehydrated food products manufacturing	<1	1,167	1,922	7,958
Cheese manufacturing	<1	2,744	3,673	39,306
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	3,533	5,196	31,857
Creamery butter manufacturing	<1	355	1,012	6,630
Ice cream and frozen dessert manufacturing	<1	1,804	2,408	10,631

## Appendix

Frozen cakes and other pastries manufacturing	<1	3,170	4,220	8,392
Poultry processing	<1	1,399	1,684	6,948
Animal, except poultry, slaughtering	<1	2,037	2,571	25,089
Meat processed from carcasses	<1	9,913	9,665	75,982
Rendering and meat byproduct processing	<1	213	291	1,399
Seafood product preparation and packaging	<1	1,467	1,878	11,210
Bread and bakery product, except frozen, manufacturing	<1	14,697	19,745	50,490
Cookie and cracker manufacturing	<1	5,870	7,840	24,126
Dry pasta, mixes, and dough manufacturing	<1	930	1,858	8,408
Tortilla manufacturing	<1	1,147	1,459	5,984
Roasted nuts and peanut butter manufacturing	<1	976	1,611	6,748
Other snack food manufacturing	<1	2,635	5,568	21,743
Coffee and tea manufacturing	<1	1,521	2,511	13,875
Flavoring syrup and concentrate manufacturing	<1	283	1,688	4,080
Mayonnaise, dressing, and sauce manufacturing	<1	418	713	4,179
Spice and extract manufacturing	<1	354	536	3,229
All other food manufacturing	<1	3,592	4,807	25,224
Bottled and canned soft drinks & water	<1	2,753	4,313	21,314
Manufactured ice	<1	267	174	898
Breweries	<1	7,128	13,310	39,121
Wineries	<1	8,549	13,351	48,584
Distilleries	<1	666	3,238	8,222
Tobacco product manufacturing	<1	573	18,968	34,376
Fiber, yarn, and thread mills	<1	51	65	530
Broadwoven fabric mills	<1	54	66	392
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	116	141	992
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	20	24	152
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	100	111	398
Textile bag and canvas mills	<1	404	450	1,611
Rope, cordage, twine, tire cord and tire fabric mills	<1	109	128	464

## Appendix

Other textile product mills	<1	464	505	1,760
Hosiery and sock mills	<1	46	60	141
Other apparel knitting mills	<1	50	66	157
Cut and sew apparel contractors	<1	171	192	428
Men's and boys' cut and sew apparel manufacturing	<1	211	248	713
Women's and girls' cut and sew apparel manufacturing	<1	281	392	1,697
Other cut and sew apparel manufacturing	<1	134	169	542
Apparel accessories and other apparel manufacturing	<1	196	248	724
Leather and hide tanning and finishing	<1	12	20	92
Footwear manufacturing	<1	256	278	887
Other leather and allied product manufacturing	<1	38	42	137
Sawmills	<1	5,256	12,841	33,303
Wood preservation	<1	331	1,483	4,253
Veneer and plywood manufacturing	<1	3,282	6,806	18,259
Engineered wood member and truss manufacturing	<1	2,261	5,129	12,732
Reconstituted wood product manufacturing	<1	1,290	6,283	18,027
Wood windows and door manufacturing	<1	7,005	11,993	29,317
Cut stock, resawing lumber, and planing	<1	2,323	6,598	14,775
Other millwork, including flooring	<1	1,786	3,954	9,432
Wood container and pallet manufacturing	<1	2,176	3,825	9,125
Manufactured home (mobile home) manufacturing	<1	9	17	42
Prefabricated wood building manufacturing	<1	300	742	1,848
All other miscellaneous wood product manufacturing	<1	742	1,347	3,629
Pulp mills	<1	34	49	177
Paper mills	<1	7,786	15,878	54,336
Paperboard mills	<1	3,429	6,688	23,610
Paperboard container manufacturing	<1	6,337	9,504	40,989
Paper bag and coated and treated paper manufacturing	<1	3,195	4,841	17,072
Stationery product manufacturing	<1	28	37	181

## Appendix

Sanitary paper product manufacturing	<1	2,040	5,699	18,004
All other converted paper product manufacturing	<1	393	642	2,038
Printing	<1	28,614	40,286	84,416
Support activities for printing	<1	807	1,122	1,856
Petroleum refineries	<1	23	173	1,569
Asphalt paving mixture and block manufacturing	<1	187	266	1,496
Asphalt shingle and coating materials manufacturing	<1	1,043	2,656	6,839
Petroleum lubricating oil and grease manufacturing	<1	153	312	1,292
All other petroleum and coal products manufacturing	<1	6	17	77
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,844	4,748	20,487
Synthetic dye and pigment manufacturing	<1	2,246	2,856	9,496
Other basic inorganic chemical manufacturing	<1	1,266	1,683	5,584
Other basic organic chemical manufacturing	<1	1,356	2,175	21,309
Plastics material and resin manufacturing	<1	474	638	4,840
Synthetic rubber manufacturing	<1	96	116	564
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	904	1,602	8,371
Phosphatic fertilizer manufacturing	<1	153	229	968
Fertilizer mixing	<1	349	447	2,091
Pesticide and other agricultural chemical manufacturing	<1	1,049	1,905	10,003
Medicinal and botanical manufacturing	<1	222	235	1,167
Pharmaceutical preparation manufacturing	<1	982	1,476	5,777
In-vitro diagnostic substance manufacturing	<1	206	215	544
Biological product (except diagnostic) manufacturing	<1	78	113	319
Paint and coating manufacturing	<1	2,841	3,637	19,275
Adhesive manufacturing	<1	762	853	3,505
Soap and other detergent manufacturing	<1	1,156	1,661	9,013
Polish and other sanitation good manufacturing	<1	654	708	2,525

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	593	889	3,995
Printing ink manufacturing	<1	198	211	913
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	242	318	1,301
Photographic film and chemical manufacturing	<1	2,949	4,031	16,441
Other miscellaneous chemical product manufacturing	<1	1,795	2,104	12,386
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,336	2,143	7,937
Unlaminated plastics profile shape manufacturing	<1	940	2,066	8,208
Plastics pipe and pipe fitting manufacturing	<1	706	1,979	7,483
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	769	1,274	4,031
Polystyrene foam product manufacturing	<1	188	332	1,166
Urethane and other foam product (except polystyrene) manufacturing	<1	1,107	1,876	7,334
Plastics bottle manufacturing	<1	150	232	962
Other plastics product manufacturing	<1	32,385	44,849	161,003
Tire manufacturing	<1	1,823	2,412	10,875
Rubber and plastics hoses and belting manufacturing	<1	206	328	1,168
Other rubber product manufacturing	<1	2,917	3,737	14,156
Pottery, ceramics, and plumbing fixture manufacturing	<1	717	1,169	2,548
Brick, tile, and other structural clay product manufacturing	<1	776	1,364	3,443
Flat glass manufacturing	<1	450	912	2,279
Other pressed and blown glass and glassware manufacturing	<1	437	768	2,676
Glass container manufacturing	<1	664	1,104	3,008
Glass product manufacturing made of purchased glass	<1	4,327	8,018	20,182
Cement manufacturing	<1	251	594	1,652
Ready-mix concrete manufacturing	<1	2,769	4,702	16,528
Concrete block and brick manufacturing	<1	1,004	1,844	5,034
Concrete pipe manufacturing	<1	102	175	452



## Appendix

Other concrete product manufacturing	<1	1,453	2,206	5,467
Lime manufacturing	<1	292	657	1,945
Gypsum product manufacturing	<1	540	1,600	4,444
Abrasive product manufacturing	<1	787	1,737	2,870
Cut stone and stone product manufacturing	<1	947	1,264	3,059
Ground or treated mineral and earth manufacturing	<1	293	699	1,618
Mineral wool manufacturing	<1	354	983	2,492
Miscellaneous nonmetallic mineral products manufacturing	<1	101	242	587
Iron and steel mills and ferroalloy manufacturing	<1	10,133	18,747	124,127
Iron, steel pipe and tube manufacturing from purchased steel	<1	186	301	1,567
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	244	388	4,178
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	919	1,153	6,040
Nonferrous metal (exc aluminum) smelting and refining	<1	1,004	3,578	15,826
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	70	79	273
Secondary processing of other nonferrous metals	<1	4	6	33
Ferrous metal foundries	<1	4,042	4,979	12,216
Nonferrous metal foundries	<1	5,861	6,750	17,013
Custom roll forming	<1	302	388	2,612
Crown and closure manufacturing and metal stamping	<1	502	600	2,311
Iron and steel forging	<1	279	345	1,497
Nonferrous forging	<1	92	107	382
Cutlery, utensil, pot, and pan manufacturing	<1	3,153	4,978	19,869
Handtool manufacturing	<1	8,092	10,924	25,466
Prefabricated metal buildings and components manufacturing	<1	340	443	1,922

## Appendix

Fabricated structural metal manufacturing	<1	2,029	2,636	10,153
Plate work manufacturing	<1	1,751	1,936	6,625
Metal window and door manufacturing	<1	828	1,028	3,668
Sheet metal work manufacturing	<1	2,840	3,437	11,178
Ornamental and architectural metal work manufacturing	<1	2,365	2,678	8,105
Power boiler and heat exchanger manufacturing	<1	61	75	266
Metal tank (heavy gauge) manufacturing	<1	193	221	678
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	433	523	2,602
Hardware manufacturing	<1	149	193	732
Spring and wire product manufacturing	<1	1,769	2,109	7,430
Machine shops	<1	21,193	23,564	53,895
Turned product and screw, nut, and bolt manufacturing	<1	1,719	2,017	6,435
Metal heat treating	<1	972	1,158	3,515
Metal coating and nonprecious engraving	<1	2,332	3,297	11,269
Electroplating, anodizing, and coloring metal	<1	1,845	1,967	4,739
Valve and fittings, other than plumbing, manufacturing	<1	72	94	380
Plumbing fixture fitting and trim manufacturing	<1	196	348	1,899
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	1,846	3,261	10,121
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,005	1,605	5,266
Fabricated pipe and pipe fitting manufacturing	<1	790	912	2,902
Other fabricated metal manufacturing	<1	20,194	24,331	84,074
Farm machinery and equipment manufacturing	<1	296	575	2,419
Lawn and garden equipment manufacturing	<1	65	120	565
Construction machinery manufacturing	<1	88	212	657
Mining machinery and equipment manufacturing	<1	4	6	22

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	8	11	36
Semiconductor machinery manufacturing	<1	165	202	627
Food product machinery manufacturing	<1	12	14	49
Sawmill, woodworking, and paper machinery	<1	155	181	541
Printing machinery and equipment manufacturing	<1	12	14	48
All other industrial machinery manufacturing	<1	88	113	331
Optical instrument and lens manufacturing	<1	12,334	18,613	48,220
Photographic and photocopying equipment manufacturing	<1	26	32	103
Other commercial service industry machinery manufacturing	<1	345	559	1,763
Air purification and ventilation equipment manufacturing	<1	402	529	1,398
Heating equipment (except warm air furnaces) manufacturing	<1	117	186	552
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	804	1,386	4,406
Industrial mold manufacturing	<1	90	110	249
Special tool, die, jig, and fixture manufacturing	<1	81	107	221
Cutting tool and machine tool accessory manufacturing	<1	180	214	595
Machine tool manufacturing	<1	105	136	427
Rolling mill and other metalworking machinery manufacturing	<1	109	146	323
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	62	87	169
Mechanical power transmission equipment manufacturing	<1	206	296	776
Other engine equipment manufacturing	<1	38	87	438
Pump and pumping equipment manufacturing	<1	48	81	262
Air and gas compressor manufacturing	<1	11	15	46
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	100	117	364
Overhead cranes, hoists, and monorail systems manufacturing	<1	21	38	152
Industrial truck, trailer, and stacker manufacturing	<1	187	310	946
Power-driven handtool manufacturing	<1	96	266	735
Welding and soldering equipment manufacturing	<1	4	6	19
Packaging machinery manufacturing	<1	39	58	155
Industrial process furnace and oven manufacturing	<1	41	50	120
Fluid power cylinder and actuator manufacturing	<1	134	191	491
Fluid power pump and motor manufacturing	<1	4	7	25
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	29	36	108
Electronic computer manufacturing	<1	72	117	396
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	529	904	3,211
Telephone apparatus manufacturing	<1	2	4	21
Broadcast and wireless communications equipment manufacturing	<1	26,373	41,088	80,314
Other communications equipment manufacturing	<1	175	339	940
Audio and video equipment manufacturing	<1	172	362	1,893
Printed circuit assembly (electronic assembly) manufacturing	<1	3,273	6,120	25,407
Bare printed circuit board manufacturing	<1	5,370	7,108	19,957
Semiconductor and related device manufacturing	<1	42,937	83,114	222,098
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	696	989	2,797
Electronic connector manufacturing	<1	156	238	621
Other electronic component manufacturing	<1	843	1,159	3,302

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	24	45	140
Search, detection, and navigation instruments manufacturing	<1	15	28	70
Automatic environmental control manufacturing	<1	96	145	375
Industrial process variable instruments manufacturing	<1	77	128	334
Totalizing fluid meter and counting device manufacturing	<1	53	133	345
Electricity and signal testing instruments manufacturing	<1	4,031	5,416	13,578
Analytical laboratory instrument manufacturing	<1	54,353	99,306	202,627
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	30	50	195
Blank magnetic and optical recording media manufacturing	<1	156	684	2,702
Software and other prerecorded and record reproducing	<1	139	225	610
Electric lamp bulb and part manufacturing	<1	50	85	222
Lighting fixture manufacturing	<1	342	464	1,419
Small electrical appliance manufacturing	<1	90	206	654
Household cooking appliance manufacturing	<1	34	87	262
Household refrigerator and home freezer manufacturing	<1	44	106	301
Household laundry equipment manufacturing	<1	130	230	820
Other major household appliance manufacturing	<1	21	58	150
Power, distribution, and specialty transformer manufacturing	<1	8	12	32
Motor and generator manufacturing	<1	26	49	114
Switchgear and switchboard apparatus manufacturing	<1	43	81	260
Relay and industrial control manufacturing	<1	425	594	1,701
Storage battery manufacturing	<1	1,481	2,485	7,370
Primary battery manufacturing	<1	322	3,238	2,692
Fiber optic cable manufacturing	<1	198	307	1,201

## Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	503	1,055	2,561
Carbon and graphite product manufacturing	<1	595	940	2,869
All other miscellaneous electrical equipment and component manufacturing	<1	50	59	166
Automobile manufacturing	<1	30	156	485
Light truck and utility vehicle manufacturing	<1	6	29	124
Heavy duty truck manufacturing	<1	195	537	2,702
Motor vehicle body manufacturing	<1	104	162	562
Truck trailer manufacturing	<1	16	25	82
Motor home manufacturing	<1	1,750	3,778	11,891
Travel trailer and camper manufacturing	<1	12,362	16,771	72,857
Motor vehicle gasoline engine and engine parts manufacturing	<1	73	147	772
Motor vehicle electrical and electronic equipment manufacturing	<1	3,073	4,756	19,676
Motor vehicle transmission and power train parts manufacturing	<1	1,945	3,503	14,010
Motor vehicle seating and interior trim manufacturing	<1	7	10	71
Motor vehicle metal stamping	<1	442	635	1,881
Other motor vehicle parts manufacturing	<1	3,159	5,270	22,128
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,452	4,453	13,026
Aircraft manufacturing	<1	48	85	257
Aircraft engine and engine parts manufacturing	<1	15	32	94
Other aircraft parts and auxiliary equipment manufacturing	<1	62,441	81,367	151,353
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	23	26	98
Ship building and repairing	<1	207	275	567
Boat building	<1	2,005	2,981	10,123
Motorcycle, bicycle, and parts manufacturing	<1	824	2,093	5,502

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	903	1,721	6,096
Wood kitchen cabinet and countertop manufacturing	<1	4,612	4,849	14,371
Upholstered household furniture manufacturing	<1	1,253	1,343	5,798
Nonupholstered wood household furniture manufacturing	<1	508	527	1,620
Other household nonupholstered furniture manufacturing	<1	81	95	508
Institutional furniture manufacturing	<1	26	27	91
Wood office furniture manufacturing	<1	3	3	12
Custom architectural woodwork and millwork	<1	54	50	163
Office furniture, except wood, manufacturing	<1	16	17	82
Showcase, partition, shelving, and locker manufacturing	<1	457	477	1,624
Mattress manufacturing	<1	185	219	1,419
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	67	89	185
Surgical appliance and supplies manufacturing	<1	916	1,458	4,471
Dental equipment and supplies manufacturing	<1	449	627	1,820
Ophthalmic goods manufacturing	<1	175	266	704
Dental laboratories	<1	617	675	1,396
Jewelry and silverware manufacturing	<1	1,517	2,238	6,360
Sporting and athletic goods manufacturing	<1	1,155	1,520	5,899
Doll, toy, and game manufacturing	<1	695	1,015	3,674
Office supplies (except paper) manufacturing	<1	1,379	1,825	5,931
Sign manufacturing	<1	2,124	1,973	5,206
Gasket, packing, and sealing device manufacturing	<1	767	847	2,294
Musical instrument manufacturing	<1	195	210	608
Fasteners, buttons, needles, and pins manufacturing	<1	142	155	377

## Appendix

Broom, brush, and mop manufacturing	<1	1,101	1,312	3,968
Burial casket manufacturing	<1	168	229	574
All other miscellaneous manufacturing	<1	2,214	2,448	8,423
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	14,471	30,015	71,933
Wholesale - Professional and commercial equipment and supplies	<1	63,643	96,512	163,605
Wholesale - Household appliances and electrical and electronic goods	<1	34,551	77,104	154,010
Wholesale - Machinery, equipment, and supplies	<1	33,553	59,167	111,377
Wholesale - Other durable goods merchant wholesalers	<1	54,845	94,369	194,311
Wholesale - Drugs and druggistsâ€™ sundries	<1	28,041	63,522	151,248
Wholesale - Grocery and related product wholesalers	<1	45,799	66,574	137,873
Wholesale - Petroleum and petroleum products	<1	6,505	82,618	104,043
Wholesale - Other nondurable goods merchant wholesalers	<1	81,000	166,038	345,834
Wholesale - Wholesale electronic markets and agents and brokers	<1	46,444	52,221	62,248
Retail - Motor vehicle and parts dealers	<1	63,036	74,840	107,751
Retail - Furniture and home furnishings stores	<1	30,141	35,077	60,277
Retail - Electronics and appliance stores	<1	26,995	23,372	41,007
Retail - Building material and garden equipment and supplies stores	<1	32,029	54,152	79,861
Retail - Food and beverage stores	3	96,802	129,822	220,148
Retail - Health and personal care stores	<1	38,712	46,601	70,525
Retail - Gasoline stores	<1	39,985	59,822	109,166
Retail - Clothing and clothing accessories stores	<1	47,843	65,308	127,128
Retail - Sporting goods, hobby, musical instrument and book stores	<1	29,258	33,286	57,428
Retail - General merchandise stores	2	82,052	107,155	185,856
Retail - Miscellaneous store retailers	2	70,354	61,474	100,106
Retail - Nonstore retailers	2	39,761	223,933	383,678
Air transportation	<1	37,999	92,155	180,147



## Appendix

Rail transportation	<1	8,758	24,493	44,240
Water transportation	<1	2,792	6,814	26,749
Truck transportation	1	103,979	155,958	298,835
Transit and ground passenger transportation	1	27,272	53,829	72,500
Pipeline transportation	<1	5,782	11,356	16,772
Scenic and sightseeing transportation and support activities for transportation	<1	81,534	68,306	103,577
Couriers and messengers	2	58,400	112,777	141,819
Warehousing and storage	1	63,198	68,198	123,449
Newspaper publishers	<1	6,549	10,514	16,446
Periodical publishers	<1	4,711	6,605	13,185
Book publishers	<1	5,326	13,342	30,164
Directory, mailing list, and other publishers	<1	427	984	2,037
Greeting card publishing	<1	94	312	862
Software publishers	3	668,163	1,285,495	1,627,626
Motion picture and video industries	<1	24,402	43,624	104,791
Sound recording industries	<1	1,562	12,804	23,455
Radio and television broadcasting	<1	54,090	67,714	174,084
Cable and other subscription programming	<1	20,169	75,978	215,167
Wired telecommunications carriers	<1	23,558	41,322	92,747
Wireless telecommunications carriers (except satellite)	<1	4,368	23,535	84,170
Satellite, telecommunications resellers, and all other telecommunications	<1	2,653	3,064	8,419
Data processing, hosting, and related services	2	322,030	780,321	1,625,072
News syndicates, libraries, archives and all other information services	<1	9,588	15,154	31,240
Internet publishing and broadcasting and web search portals	<1	25,150	70,096	318,640
Nondepository credit intermediation and related activities	<1	66,121	71,417	107,575
Securities and commodity contracts intermediation and brokerage	<1	58,464	44,798	110,570
Monetary authorities and depository credit intermediation	2	191,501	544,464	844,451

## Appendix

Other financial investment activities	1	68,502	78,020	235,009
Direct life insurance carriers	<1	4,171	9,148	12,050
Insurance carriers, except direct life	<1	88,454	320,916	602,753
Insurance agencies, brokerages, and related activities	1	102,693	182,220	390,160
Funds, trusts, and other financial vehicles	<1	24,003	28,394	109,344
Other real estate	11	484,708	1,111,499	2,451,334
Tenant-occupied housing	<1	43,538	331,626	355,690
Owner-occupied dwellings	0	0	1,318,122	1,590,755
Automotive equipment rental and leasing	<1	27,049	54,650	72,446
General and consumer goods rental except video tapes and discs	<1	21,557	30,952	43,858
Video tape and disc rental	<1	4,860	7,467	12,647
Commercial and industrial machinery and equipment rental and leasing	<1	28,658	52,218	68,606
Lessors of nonfinancial intangible assets	<1	5,766	114,543	124,559
Legal services	3	262,403	372,191	564,041
Accounting, tax preparation, bookkeeping, and payroll services	2	126,650	155,083	257,765
Architectural, engineering, and related services	3	274,227	297,985	565,306
Specialized design services	<1	20,030	31,722	57,596
Custom computer programming services	<1	68,493	74,059	100,766
Computer systems design services	<1	67,307	65,730	84,440
Other computer related services, including facilities management	<1	49,251	66,998	123,926
Management consulting services	14	1,317,999	1,360,258	2,268,842
Environmental and other technical consulting services	<1	74,348	81,606	136,118
Scientific research and development services	48	5,449,925	7,982,437	13,808,966
Advertising, public relations, and related services	2	135,694	198,629	431,180
Photographic services	<1	3,907	8,843	19,229
Veterinary services	<1	24,400	27,004	42,478
Marketing research and all other miscellaneous professional, scientific, and technical services	2	141,255	218,794	502,527
Management of companies and enterprises	4	707,043	844,939	1,246,145

## Appendix

Office administrative services	<1	45,493	12,188	39,053
Facilities support services	<1	3,910	5,001	13,586
Employment services	9	535,478	691,172	1,100,782
Business support services	1	79,972	66,260	112,862
Travel arrangement and reservation services	<1	17,478	25,460	84,335
Investigation and security services	<1	48,593	49,467	68,884
Services to buildings	1	53,326	70,403	146,649
Landscape and horticultural services	<1	49,936	58,823	108,552
Other support services	<1	30,212	36,877	73,046
Waste management and remediation services	<1	25,828	43,704	90,739
Elementary and secondary schools	1	56,045	48,434	59,494
Junior colleges, colleges, universities, and professional schools	7	288,826	373,169	548,778
Other educational services	6	262,037	295,805	570,814
Offices of physicians	3	324,362	329,049	472,331
Offices of dentists	1	83,429	97,623	131,217
Offices of other health practitioners	1	65,322	94,120	120,564
Outpatient care centers	<1	96,499	95,425	136,131
Medical and diagnostic laboratories	<1	19,059	29,026	39,982
Home health care services	<1	30,882	30,975	39,088
Other ambulatory health care services	<1	27,729	32,088	46,493
Hospitals	4	480,365	581,622	990,579
Nursing and community care facilities	2	78,893	90,452	145,681
Residential mental retardation, mental health, substance abuse and other facilities	<1	49,197	51,369	73,411
Individual and family services	4	154,807	140,507	191,456
Child day care services	1	40,720	68,140	84,871
Community food, housing, and other relief services, including rehabilitation services	<1	38,603	36,709	74,055
Performing arts companies	<1	14,280	24,689	48,574
Commercial Sports Except Racing	<1	36,901	38,939	59,544
Racing and Track Operation	<1	1,277	2,146	3,799
Independent artists, writers, and performers	<1	13,658	36,851	59,200

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	12,423	30,088	71,891
Museums, historical sites, zoos, and parks	<1	4,375	5,495	9,453
Amusement parks and arcades	<1	962	2,755	3,150
Gambling industries (except casino hotels)	<1	11,601	36,636	50,513
Other amusement and recreation industries	<1	13,585	18,477	24,548
Fitness and recreational sports centers	<1	8,720	13,167	19,591
Bowling centers	<1	1,680	2,688	4,104
Hotels and motels, including casino hotels	<1	15,844	33,761	51,176
Other accommodations	<1	3,834	4,757	6,290
Full-service restaurants	5	208,965	288,892	506,359
Limited-service restaurants	4	141,313	197,864	425,729
All other food and drinking places	3	134,394	182,395	280,658
Automotive repair and maintenance, except car washes	2	115,970	115,898	166,010
Car washes	<1	56,263	69,064	101,875
Electronic and precision equipment repair and maintenance	2	219,001	228,400	364,302
Commercial and industrial machinery and equipment repair and maintenance	<1	55,079	52,409	77,188
Personal and household goods repair and maintenance	<1	12,406	22,111	31,180
Personal care services	<1	27,737	17,799	21,621
Death care services	<1	7,213	5,194	7,108
Dry-cleaning and laundry services	<1	18,401	12,215	15,435
Other personal services	<1	26,227	31,499	44,168
Religious organizations	3	153,473	74,444	239,283
Grantmaking, giving, and social advocacy organizations	<1	40,077	117,241	164,049
Business and professional associations	<1	22,561	35,545	58,106
Labor and civic organizations	<1	18,192	50,798	80,841
Private households	<1	14,475	14,475	14,475
Postal service	<1	56,732	56,997	57,018
Federal electric utilities	<1	15,669	39,308	110,770
Other federal government enterprises	<1	725	-1,204	406
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	617	881	1,307
Local government passenger transit	<1	38,852	4,939	17,358
Local government electric utilities	<1	9,689	27,402	52,729
Other local government enterprises	<1	97,217	182,643	420,117
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	10	1,790,618	2,463,564	4,508,264

## Moon to Mars Campaign

**Table 737: Detailed M2M Campaign Impacts by Types of Impact, Oregon**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>13</i>	<i>1,065,614</i>	<i>1,674,148</i>	<i>2,974,450</i>
Oilseed farming	<1	3	60	80
Grain farming	<1	430	2,033	3,927
Vegetable and melon farming	<1	274	738	1,295
Fruit farming	<1	288	764	1,113
Tree nut farming	<1	59	169	260
Greenhouse, nursery, and floriculture production	<1	347	716	1,071
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	2	5	8
All other crop farming	<1	192	383	615
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	94	842	1,835
Dairy cattle and milk production	<1	147	504	2,103
Poultry and egg production	<1	84	179	1,273
Animal production, except cattle and poultry and eggs	<1	191	1,229	1,339
Forestry, forest products, and timber tract production	<1	43	48	58
Commercial logging	<1	236	272	380
Commercial fishing	<1	925	240	240
Commercial hunting and trapping	<1	60	44	48
Support activities for agriculture and forestry	<1	1,399	1,479	1,611
Oil and gas extraction	<1	1	2	2,090
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	<1	4	9
Silver ore mining	<1	<1	<1	<1
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	49	189	353
Sand and gravel mining	<1	57	109	221
Other clay, ceramic, refractory minerals mining	<1	8	17	37
Potash, soda, and borate mineral mining	<1	7	11	28
Phosphate rock mining	<1	2	5	12
Other chemical and fertilizer mineral mining	<1	2	3	8
Other nonmetallic minerals	<1	11	21	52
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	<1	<1
Metal mining services	<1	<1	<1	53
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	177	422	768

## Appendix

Electric power generation - Fossil fuel	<1	203	672	1,409
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	16	40	73
Electric power generation - Wind	<1	183	1,382	2,311
Electric power generation - Geothermal	<1	38	83	141
Electric power generation - Biomass	<1	145	419	1,007
Electric power generation - All other	<1	11	<1	5
Electric power transmission and distribution	<1	2,271	7,371	15,114
Natural gas distribution	<1	1,445	4,903	9,337
Water, sewage and other systems	<1	163	329	586
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,914	3,977	9,275
Maintenance and repair construction of residential structures	<1	1,355	1,801	4,044
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	25	59	293
Other animal food manufacturing	<1	107	199	1,513
Flour milling	<1	117	223	1,697

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	40	64	448
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	16	82	813
Fats and oils refining and blending	<1	10	23	307
Breakfast cereal manufacturing	<1	148	308	1,635
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	50	68	361
Chocolate and confectionery manufacturing from cacao beans	<1	8	12	73
Confectionery manufacturing from purchased chocolate	<1	43	61	375
Frozen fruits, juices and vegetables manufacturing	<1	200	382	1,630
Frozen specialties manufacturing	<1	299	383	1,772
Canned fruits and vegetables manufacturing	<1	81	142	695
Canned specialties	<1	176	356	1,836
Dehydrated food products manufacturing	<1	85	140	574
Cheese manufacturing	<1	190	254	2,804
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	247	373	2,253
Creamery butter manufacturing	<1	26	72	472
Ice cream and frozen dessert manufacturing	<1	124	167	723
Frozen cakes and other pastries manufacturing	<1	210	281	554
Poultry processing	<1	60	74	307
Animal, except poultry, slaughtering	<1	115	147	1,449
Meat processed from carcasses	<1	513	503	3,949
Rendering and meat byproduct processing	<1	12	16	77
Seafood product preparation and packaging	<1	104	137	782
Bread and bakery product, except frozen, manufacturing	<1	956	1,295	3,300
Cookie and cracker manufacturing	<1	369	509	1,478
Dry pasta, mixes, and dough manufacturing	<1	52	103	483
Tortilla manufacturing	<1	59	75	309



## Appendix

Roasted nuts and peanut butter manufacturing	<1	56	97	389
Other snack food manufacturing	<1	141	299	1,153
Coffee and tea manufacturing	<1	109	184	1,018
Flavoring syrup and concentrate manufacturing	<1	15	91	217
Mayonnaise, dressing, and sauce manufacturing	<1	28	48	284
Spice and extract manufacturing	<1	28	44	261
All other food manufacturing	<1	207	278	1,474
Bottled and canned soft drinks & water	<1	130	206	1,019
Manufactured ice	<1	14	9	44
Breweries	<1	513	996	2,897
Wineries	<1	554	868	3,045
Distilleries	<1	39	201	494
Tobacco product manufacturing	<1	30	1,169	1,971
Fiber, yarn, and thread mills	<1	2	3	27
Broadwoven fabric mills	<1	2	4	18
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	6	10	60
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	2	10
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	6	7	24
Textile bag and canvas mills	<1	20	23	79
Rope, cordage, twine, tire cord and tire fabric mills	<1	4	5	16
Other textile product mills	<1	36	41	137
Hosiery and sock mills	<1	3	3	7
Other apparel knitting mills	<1	3	4	8
Cut and sew apparel contractors	<1	9	10	22
Men's and boys' cut and sew apparel manufacturing	<1	15	18	50
Women's and girls' cut and sew apparel manufacturing	<1	19	28	107
Other cut and sew apparel manufacturing	<1	13	16	51
Apparel accessories and other apparel manufacturing	<1	12	16	42
Leather and hide tanning and finishing	<1	0	1	7
Footwear manufacturing	<1	15	16	48
Other leather and allied product manufacturing	<1	2	2	8

## Appendix

Sawmills	<1	211	513	1,335
Wood preservation	<1	12	55	163
Veneer and plywood manufacturing	<1	105	218	594
Engineered wood member and truss manufacturing	<1	82	186	461
Reconstituted wood product manufacturing	<1	40	199	558
Wood windows and door manufacturing	<1	308	523	1,273
Cut stock, resawing lumber, and planing	<1	94	262	601
Other millwork, including flooring	<1	86	188	447
Wood container and pallet manufacturing	<1	112	195	466
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	12	31	76
All other miscellaneous wood product manufacturing	<1	38	67	172
Pulp mills	<1	2	3	9
Paper mills	<1	378	697	2,599
Paperboard mills	<1	200	365	1,362
Paperboard container manufacturing	<1	380	574	2,528
Paper bag and coated and treated paper manufacturing	<1	222	327	1,167
Stationery product manufacturing	<1	3	3	16
Sanitary paper product manufacturing	<1	105	285	934
All other converted paper product manufacturing	<1	29	46	150
Printing	<1	4,094	5,894	11,989
Support activities for printing	<1	143	201	329
Petroleum refineries	<1	1	10	85
Asphalt paving mixture and block manufacturing	<1	9	13	68
Asphalt shingle and coating materials manufacturing	<1	56	157	375
Petroleum lubricating oil and grease manufacturing	<1	8	18	71
All other petroleum and coal products manufacturing	<1	<1	<1	3
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	95	170	706

## Appendix

Synthetic dye and pigment manufacturing	<1	90	119	404
Other basic inorganic chemical manufacturing	<1	47	68	215
Other basic organic chemical manufacturing	<1	88	150	1,433
Plastics material and resin manufacturing	<1	16	23	169
Synthetic rubber manufacturing	<1	6	7	36
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	55	106	493
Phosphatic fertilizer manufacturing	<1	8	13	53
Fertilizer mixing	<1	18	25	111
Pesticide and other agricultural chemical manufacturing	<1	54	106	542
Medicinal and botanical manufacturing	<1	16	17	80
Pharmaceutical preparation manufacturing	<1	59	95	356
In-vitro diagnostic substance manufacturing	<1	17	18	46
Biological product (except diagnostic) manufacturing	<1	5	9	21
Paint and coating manufacturing	<1	141	192	993
Adhesive manufacturing	<1	43	51	202
Soap and other detergent manufacturing	<1	67	104	511
Polish and other sanitation good manufacturing	<1	35	40	137
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	33	54	233
Printing ink manufacturing	<1	91	93	403
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	26	39	146
Photographic film and chemical manufacturing	<1	162	237	883
Other miscellaneous chemical product manufacturing	<1	130	159	920
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	73	118	429
Unlaminated plastics profile shape manufacturing	<1	44	98	373
Plastics pipe and pipe fitting manufacturing	<1	21	60	226

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	25	41	131
Polystyrene foam product manufacturing	<1	9	16	55
Urethane and other foam product (except polystyrene) manufacturing	<1	57	98	376
Plastics bottle manufacturing	<1	9	14	58
Other plastics product manufacturing	<1	825	1,257	4,171
Tire manufacturing	<1	78	106	468
Rubber and plastics hoses and belting manufacturing	<1	9	15	54
Other rubber product manufacturing	<1	103	132	513
Pottery, ceramics, and plumbing fixture manufacturing	<1	31	51	111
Brick, tile, and other structural clay product manufacturing	<1	30	51	131
Flat glass manufacturing	<1	20	41	102
Other pressed and blown glass and glassware manufacturing	<1	21	37	128
Glass container manufacturing	<1	38	63	172
Glass product manufacturing made of purchased glass	<1	187	337	860
Cement manufacturing	<1	8	19	54
Ready-mix concrete manufacturing	<1	84	140	496
Concrete block and brick manufacturing	<1	31	56	155
Concrete pipe manufacturing	<1	4	7	17
Other concrete product manufacturing	<1	46	69	173
Lime manufacturing	<1	14	29	89
Gypsum product manufacturing	<1	24	68	192
Abrasive product manufacturing	<1	40	85	142
Cut stone and stone product manufacturing	<1	40	54	130
Ground or treated mineral and earth manufacturing	<1	13	30	71
Mineral wool manufacturing	<1	16	41	104
Miscellaneous nonmetallic mineral products manufacturing	<1	5	12	28
Iron and steel mills and ferroalloy manufacturing	<1	407	777	5,047
Iron, steel pipe and tube manufacturing from purchased steel	<1	8	14	70

## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	22	35	373
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	36	45	235
Nonferrous metal (exc aluminum) smelting and refining	<1	25	84	384
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	3	3	10
Secondary processing of other nonferrous metals	<1	<1	<1	<1
Ferrous metal foundries	<1	205	267	657
Nonferrous metal foundries	<1	271	313	786
Custom roll forming	<1	12	15	103
Crown and closure manufacturing and metal stamping	<1	29	34	130
Iron and steel forging	<1	9	11	49
Nonferrous forging	<1	3	4	14
Cutlery, utensil, pot, and pan manufacturing	<1	248	377	1,482
Handtool manufacturing	<1	362	484	1,137
Prefabricated metal buildings and components manufacturing	<1	15	19	83
Fabricated structural metal manufacturing	<1	66	85	329
Plate work manufacturing	<1	74	82	277
Metal window and door manufacturing	<1	34	43	151
Sheet metal work manufacturing	<1	260	310	996
Ornamental and architectural metal work manufacturing	<1	79	88	265
Power boiler and heat exchanger manufacturing	<1	3	4	14
Metal tank (heavy gauge) manufacturing	<1	16	18	54
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	22	27	134
Hardware manufacturing	<1	6	9	32
Spring and wire product manufacturing	<1	58	69	242

## Appendix

Machine shops	<1	959	1,061	2,409
Turned product and screw, nut, and bolt manufacturing	<1	183	214	682
Metal heat treating	<1	183	219	666
Metal coating and nonprecious engraving	<1	239	337	1,149
Electroplating, anodizing, and coloring metal	<1	206	220	530
Valve and fittings, other than plumbing, manufacturing	<1	4	5	23
Plumbing fixture fitting and trim manufacturing	<1	6	11	63
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	97	171	515
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	54	85	270
Fabricated pipe and pipe fitting manufacturing	<1	25	29	93
Other fabricated metal manufacturing	<1	279	332	1,132
Farm machinery and equipment manufacturing	<1	10	20	80
Lawn and garden equipment manufacturing	<1	3	6	26
Construction machinery manufacturing	<1	3	7	20
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	1
Semiconductor machinery manufacturing	<1	31	38	119
Food product machinery manufacturing	<1	<1	<1	3
Sawmill, woodworking, and paper machinery	<1	6	8	23
Printing machinery and equipment manufacturing	<1	<1	1	4
All other industrial machinery manufacturing	<1	5	6	19
Optical instrument and lens manufacturing	<1	2	4	10
Photographic and photocopying equipment manufacturing	<1	2	2	6
Other commercial service industry machinery manufacturing	<1	26	43	130

Appendix

Air purification and ventilation equipment manufacturing	<1	14	19	50
Heating equipment (except warm air furnaces) manufacturing	<1	11	18	49
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	44	77	240
Industrial mold manufacturing	<1	3	4	8
Special tool, die, jig, and fixture manufacturing	<1	5	7	14
Cutting tool and machine tool accessory manufacturing	<1	11	13	37
Machine tool manufacturing	<1	3	4	12
Rolling mill and other metalworking machinery manufacturing	<1	3	5	10
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3	5	9
Mechanical power transmission equipment manufacturing	<1	9	13	34
Other engine equipment manufacturing	<1	2	4	18
Pump and pumping equipment manufacturing	<1	3	6	17
Air and gas compressor manufacturing	<1	<1	<1	3
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	6	6	18
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	8
Industrial truck, trailer, and stacker manufacturing	<1	10	17	53
Power-driven handtool manufacturing	<1	8	21	57
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	3	4	10
Industrial process furnace and oven manufacturing	<1	3	3	8
Fluid power cylinder and actuator manufacturing	<1	8	11	28
Fluid power pump and motor manufacturing	<1	<1	<1	1

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	3	8
Electronic computer manufacturing	<1	5	8	26
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	35	62	217
Telephone apparatus manufacturing	<1	0	<1	<1
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	<1	17	32	90
Audio and video equipment manufacturing	<1	13	27	128
Printed circuit assembly (electronic assembly) manufacturing	<1	76	147	585
Bare printed circuit board manufacturing	<1	75	105	341
Semiconductor and related device manufacturing	<1	761	1,413	4,127
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	38	55	154
Electronic connector manufacturing	<1	8	12	33
Other electronic component manufacturing	<1	41	56	156
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	3	9
Search, detection, and navigation instruments manufacturing	<1	2	3	8
Automatic environmental control manufacturing	<1	6	9	23
Industrial process variable instruments manufacturing	<1	5	9	24
Totalizing fluid meter and counting device manufacturing	<1	3	7	17
Electricity and signal testing instruments manufacturing	<1	320	428	1,056
Analytical laboratory instrument manufacturing	<1	17,008	31,452	63,076
Irradiation apparatus manufacturing	0	0	0	0



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	2	4	13
Blank magnetic and optical recording media manufacturing	<1	24	102	394
Software and other prerecorded and record reproducing	<1	12	20	52
Electric lamp bulb and part manufacturing	<1	3	5	13
Lighting fixture manufacturing	<1	21	28	85
Small electrical appliance manufacturing	<1	5	11	35
Household cooking appliance manufacturing	<1	<1	4	12
Household refrigerator and home freezer manufacturing	<1	2	5	13
Household laundry equipment manufacturing	<1	6	11	36
Other major household appliance manufacturing	<1	<1	4	9
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	2	3	7
Switchgear and switchboard apparatus manufacturing	<1	2	4	13
Relay and industrial control manufacturing	<1	52	71	203
Storage battery manufacturing	<1	76	126	368
Primary battery manufacturing	<1	20	214	166
Fiber optic cable manufacturing	<1	9	14	53
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	33	72	173
Carbon and graphite product manufacturing	<1	20	32	98
All other miscellaneous electrical equipment and component manufacturing	<1	2	3	8
Automobile manufacturing	<1	2	7	23
Light truck and utility vehicle manufacturing	<1	<1	1	6
Heavy duty truck manufacturing	<1	9	23	107
Motor vehicle body manufacturing	<1	5	8	27
Truck trailer manufacturing	<1	<1	1	4
Motor home manufacturing	<1	59	130	395
Travel trailer and camper manufacturing	<1	515	694	3,030

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	3	7	37
Motor vehicle electrical and electronic equipment manufacturing	<1	152	238	941
Motor vehicle transmission and power train parts manufacturing	<1	117	207	796
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	3
Motor vehicle metal stamping	<1	11	15	45
Other motor vehicle parts manufacturing	<1	154	253	1,070
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	110	203	594
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	<1	<1	<1
Other aircraft parts and auxiliary equipment manufacturing	<1	16	21	41
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	7
Ship building and repairing	<1	11	14	29
Boat building	<1	86	126	432
Motorcycle, bicycle, and parts manufacturing	<1	36	83	227
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	35	64	232
Wood kitchen cabinet and countertop manufacturing	<1	185	191	565
Upholstered household furniture manufacturing	<1	76	81	352
Nonupholstered wood household furniture manufacturing	<1	27	28	85
Other household nonupholstered furniture manufacturing	<1	4	5	26
Institutional furniture manufacturing	<1	2	2	5
Wood office furniture manufacturing	<1	<1	<1	<1

## Appendix

Custom architectural woodwork and millwork	<1	4	4	11
Office furniture, except wood, manufacturing	<1	2	1	7
Showcase, partition, shelving, and locker manufacturing	<1	26	26	88
Mattress manufacturing	<1	9	11	72
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	5	6	13
Surgical appliance and supplies manufacturing	<1	52	83	247
Dental equipment and supplies manufacturing	<1	27	38	109
Ophthalmic goods manufacturing	<1	9	14	37
Dental laboratories	<1	36	39	81
Jewelry and silverware manufacturing	<1	78	116	328
Sporting and athletic goods manufacturing	<1	59	78	296
Doll, toy, and game manufacturing	<1	50	75	259
Office supplies (except paper) manufacturing	<1	97	131	405
Sign manufacturing	<1	198	185	482
Gasket, packing, and sealing device manufacturing	<1	34	37	100
Musical instrument manufacturing	<1	14	16	45
Fasteners, buttons, needles, and pins manufacturing	<1	8	9	23
Broom, brush, and mop manufacturing	<1	82	107	299
Burial casket manufacturing	<1	6	8	20
All other miscellaneous manufacturing	<1	72	93	309
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	767	1,603	3,850
Wholesale - Professional and commercial equipment and supplies	<1	4,274	6,518	10,970
Wholesale - Household appliances and electrical and electronic goods	<1	2,149	4,805	9,599
Wholesale - Machinery, equipment, and supplies	<1	1,755	3,101	5,833
Wholesale - Other durable goods merchant wholesalers	<1	2,761	4,762	9,808

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	1,425	3,224	7,594
Wholesale - Grocery and related product wholesalers	<1	2,607	3,781	7,826
Wholesale - Petroleum and petroleum products	<1	306	4,499	5,542
Wholesale - Other nondurable goods merchant wholesalers	<1	4,673	9,926	20,288
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,709	3,035	3,613
Retail - Motor vehicle and parts dealers	<1	3,113	3,707	5,313
Retail - Furniture and home furnishings stores	<1	1,559	1,821	3,110
Retail - Electronics and appliance stores	<1	1,403	1,223	2,109
Retail - Building material and garden equipment and supplies stores	<1	1,639	2,776	4,071
Retail - Food and beverage stores	<1	5,085	6,824	11,504
Retail - Health and personal care stores	<1	1,978	2,387	3,581
Retail - Gasoline stores	<1	2,064	3,019	5,401
Retail - Clothing and clothing accessories stores	<1	2,488	3,383	6,488
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,527	1,735	2,962
Retail - General merchandise stores	<1	4,132	5,417	9,314
Retail - Miscellaneous store retailers	<1	3,633	3,187	5,118
Retail - Nonstore retailers	<1	2,027	11,690	19,999
Air transportation	<1	2,122	5,189	10,032
Rail transportation	<1	429	1,083	2,065
Water transportation	<1	131	327	1,217
Truck transportation	<1	5,699	8,509	16,199
Transit and ground passenger transportation	<1	1,715	3,376	4,331
Pipeline transportation	<1	232	518	783
Scenic and sightseeing transportation and support activities for transportation	<1	4,207	3,482	5,274
Couriers and messengers	<1	4,791	9,167	11,504
Warehousing and storage	<1	4,099	4,443	8,000
Newspaper publishers	<1	672	1,170	1,739
Periodical publishers	<1	569	903	1,643
Book publishers	<1	547	1,572	3,306

## Appendix

Directory, mailing list, and other publishers	<1	49	118	244
Greeting card publishing	<1	4	16	43
Software publishers	<1	114,764	237,750	295,019
Motion picture and video industries	<1	1,848	3,313	7,572
Sound recording industries	<1	128	1,072	1,874
Radio and television broadcasting	<1	5,061	6,382	15,263
Cable and other subscription programming	<1	1,870	7,334	19,709
Wired telecommunications carriers	<1	1,696	3,107	6,831
Wireless telecommunications carriers (except satellite)	<1	231	1,387	4,705
Satellite, telecommunications resellers, and all other telecommunications	<1	226	259	719
Data processing, hosting, and related services	<1	5,675	13,625	27,922
News syndicates, libraries, archives and all other information services	<1	674	1,075	2,141
Internet publishing and broadcasting and web search portals	<1	13,229	34,758	219,006
Nondepository credit intermediation and related activities	<1	3,488	3,776	5,572
Securities and commodity contracts intermediation and brokerage	<1	3,186	2,368	5,422
Monetary authorities and depository credit intermediation	<1	7,967	24,109	36,141
Other financial investment activities	<1	4,148	4,700	12,939
Direct life insurance carriers	<1	198	438	571
Insurance carriers, except direct life	<1	4,487	16,349	30,086
Insurance agencies, brokerages, and related activities	<1	5,056	8,934	18,989
Funds, trusts, and other financial vehicles	<1	1,366	1,689	5,768
Other real estate	<1	25,541	56,867	121,218
Tenant-occupied housing	<1	2,290	17,864	19,043
Owner-occupied dwellings	0	0	68,099	82,185
Automotive equipment rental and leasing	<1	1,313	2,732	3,548

Appendix

General and consumer goods rental except video tapes and discs	<1	1,361	1,951	2,732
Video tape and disc rental	<1	240	372	630
Commercial and industrial machinery and equipment rental and leasing	<1	3,016	5,482	7,174
Lessors of nonfinancial intangible assets	<1	228	4,893	5,303
Legal services	<1	11,152	16,237	24,254
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,139	8,888	14,493
Architectural, engineering, and related services	<1	4,158	4,545	8,511
Specialized design services	<1	1,016	1,640	2,894
Custom computer programming services	<1	12,129	13,074	17,796
Computer systems design services	<1	4,895	4,790	6,088
Other computer related services, including facilities management	<1	3,700	5,008	9,207
Management consulting services	<1	36,843	38,119	62,332
Environmental and other technical consulting services	<1	3,844	4,252	6,990
Scientific research and development services	1	161,446	236,034	398,261
Advertising, public relations, and related services	<1	14,329	21,268	45,087
Photographic services	<1	211	504	1,049
Veterinary services	<1	1,245	1,391	2,157
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	6,471	10,188	23,079
Management of companies and enterprises	<1	34,387	41,351	60,181
Office administrative services	<1	3,436	993	2,924
Facilities support services	<1	220	288	749
Employment services	<1	29,437	38,752	59,215
Business support services	<1	3,804	3,199	5,264
Travel arrangement and reservation services	<1	861	1,267	4,014
Investigation and security services	<1	2,840	2,896	3,956
Services to buildings	<1	2,938	3,957	7,974
Landscape and horticultural services	<1	2,748	3,274	5,892
Other support services	<1	2,094	2,581	4,994
Waste management and remediation services	<1	1,209	2,043	4,220

## Appendix

Elementary and secondary schools	<1	3,325	2,862	3,482
Junior colleges, colleges, universities, and professional schools	2	75,588	97,040	144,772
Other educational services	<1	5,127	5,717	11,244
Offices of physicians	<1	16,474	16,748	23,990
Offices of dentists	<1	4,277	5,085	6,789
Offices of other health practitioners	<1	3,224	4,795	6,093
Outpatient care centers	<1	5,133	5,093	7,283
Medical and diagnostic laboratories	<1	999	1,575	2,132
Home health care services	<1	1,641	1,650	2,088
Other ambulatory health care services	<1	1,422	1,669	2,399
Hospitals	<1	27,009	32,927	56,079
Nursing and community care facilities	<1	4,336	4,974	7,889
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,918	3,049	4,301
Individual and family services	<1	8,709	8,000	10,793
Child day care services	<1	2,187	3,786	4,645
Community food, housing, and other relief services, including rehabilitation services	<1	2,313	2,207	4,355
Performing arts companies	<1	862	1,471	2,738
Commercial Sports Except Racing	<1	2,471	2,716	4,056
Racing and Track Operation	<1	74	120	205
Independent artists, writers, and performers	<1	982	2,552	4,013
Promoters of performing arts and sports and agents for public figures	<1	790	1,836	4,137
Museums, historical sites, zoos, and parks	<1	246	308	518
Amusement parks and arcades	<1	57	160	182
Gambling industries (except casino hotels)	<1	625	1,993	2,721
Other amusement and recreation industries	<1	707	963	1,262
Fitness and recreational sports centers	<1	490	741	1,078
Bowling centers	<1	86	138	208
Hotels and motels, including casino hotels	<1	934	1,942	2,938
Other accommodations	<1	234	289	379

## Appendix

Full-service restaurants	<1	10,654	14,668	25,509
Limited-service restaurants	<1	7,286	10,146	21,469
All other food and drinking places	<1	6,649	8,927	13,550
Automotive repair and maintenance, except car washes	<1	6,449	6,274	8,970
Car washes	<1	2,947	3,610	5,304
Electronic and precision equipment repair and maintenance	<1	1,777	1,889	2,989
Commercial and industrial machinery and equipment repair and maintenance	<1	3,254	3,072	4,468
Personal and household goods repair and maintenance	<1	702	1,176	1,671
Personal care services	<1	1,444	844	1,042
Death care services	<1	404	268	371
Dry-cleaning and laundry services	<1	893	541	694
Other personal services	<1	1,310	1,531	2,151
Religious organizations	<1	9,207	3,948	13,574
Grantmaking, giving, and social advocacy organizations	<1	2,536	6,525	9,299
Business and professional associations	<1	1,182	1,702	2,796
Labor and civic organizations	<1	1,096	2,689	4,389
Private households	<1	785	785	785
Postal service	<1	3,879	3,898	3,899
Federal electric utilities	<1	407	1,040	2,902
Other federal government enterprises	<1	41	-76	24
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	22	30	44
Local government passenger transit	<1	2,139	166	769
Local government electric utilities	<1	459	1,195	2,307
Other local government enterprises	<1	5,372	8,508	21,019
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	124,104	145,796	266,804

## Investments in Climate Change Research and Technology

**Table 738: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>125</i>	<i>10,338,123</i>	<i>16,300,301</i>	<i>28,857,608</i>
Oilseed farming	<1	19	272	345
Grain farming	<1	4,903	15,997	42,766
Vegetable and melon farming	<1	2,913	7,361	13,309
Fruit farming	<1	2,722	7,076	10,621
Tree nut farming	<1	526	1,363	2,113
Greenhouse, nursery, and floriculture production	<1	4,255	8,234	12,708
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	80	158	254
All other crop farming	<1	3,016	5,635	9,279
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	1,913	13,728	33,842
Dairy cattle and milk production	<1	1,353	4,140	19,658
Poultry and egg production	<1	1,171	2,206	18,269
Animal production, except cattle and poultry and eggs	<1	3,646	18,277	20,346
Forestry, forest products, and timber tract production	<1	556	619	779

## Appendix

Commercial logging	<1	2,868	3,230	4,772
Commercial fishing	<1	2,827	2,432	2,456
Commercial hunting and trapping	<1	392	555	620
Support activities for agriculture and forestry	<1	24,632	25,795	27,832
Oil and gas extraction	<1	23	31	27,102
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	17	57	157
Silver ore mining	<1	4	10	29
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	666	2,953	5,430
Sand and gravel mining	<1	1,013	2,018	4,188
Other clay, ceramic, refractory minerals mining	<1	118	251	544
Potash, soda, and borate mineral mining	<1	75	125	323
Phosphate rock mining	<1	24	51	127
Other chemical and fertilizer mineral mining	<1	28	48	127
Other nonmetallic minerals	<1	262	534	1,295
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	<1	<1	7
Metal mining services	<1	<1	<1	615
Other nonmetallic minerals services	<1	3	5	63
Electric power generation - Hydroelectric	<1	1,350	3,272	5,932
Electric power generation - Fossil fuel	<1	1,668	6,440	13,518
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	144	364	677
Electric power generation - Wind	<1	3,129	25,757	44,158
Electric power generation - Geothermal	<1	173	368	614
Electric power generation - Biomass	<1	1,050	3,028	7,019
Electric power generation - All other	<1	93	13	61
Electric power transmission and distribution	<1	23,121	81,881	169,596

## Appendix

Natural gas distribution	<1	10,910	38,350	74,972
Water, sewage and other systems	<1	1,220	2,695	5,092
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	34,996	46,373	112,936
Maintenance and repair construction of residential structures	<1	13,929	18,080	42,195
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	10	24
Dog and cat food manufacturing	<1	305	707	3,698
Other animal food manufacturing	<1	1,690	2,984	23,525
Flour milling	<1	1,608	3,005	22,272
Rice milling	0	0	0	0
Malt manufacturing	<1	314	478	3,299
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	165	816	8,530
Fats and oils refining and blending	<1	81	188	2,526
Breakfast cereal manufacturing	<1	1,179	2,474	14,274
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	466	624	3,525

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	48	68	456
Confectionery manufacturing from purchased chocolate	<1	429	577	3,662
Frozen fruits, juices and vegetables manufacturing	<1	1,936	3,457	16,198
Frozen specialties manufacturing	<1	3,339	4,295	19,860
Canned fruits and vegetables manufacturing	<1	715	1,212	6,097
Canned specialties	<1	1,879	3,720	19,067
Dehydrated food products manufacturing	<1	673	1,107	4,595
Cheese manufacturing	<1	1,418	1,896	20,493
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,934	2,790	17,331
Creamery butter manufacturing	<1	234	671	4,363
Ice cream and frozen dessert manufacturing	<1	1,050	1,384	6,282
Frozen cakes and other pastries manufacturing	<1	1,906	2,550	5,115
Poultry processing	<1	1,044	1,224	5,063
Animal, except poultry, slaughtering	<1	1,313	1,643	15,901
Meat processed from carcasses	<1	5,830	5,679	44,953
Rendering and meat byproduct processing	<1	145	196	930
Seafood product preparation and packaging	<1	898	1,146	7,159
Bread and bakery product, except frozen, manufacturing	<1	8,664	11,623	29,784
Cookie and cracker manufacturing	<1	3,047	3,954	13,274
Dry pasta, mixes, and dough manufacturing	<1	485	960	4,372
Tortilla manufacturing	<1	739	941	3,868
Roasted nuts and peanut butter manufacturing	<1	574	952	3,996
Other snack food manufacturing	<1	1,592	3,316	13,338
Coffee and tea manufacturing	<1	916	1,475	8,353
Flavoring syrup and concentrate manufacturing	<1	234	1,329	3,335
Mayonnaise, dressing, and sauce manufacturing	<1	273	470	2,701
Spice and extract manufacturing	<1	208	308	1,859
All other food manufacturing	<1	2,018	2,680	14,230
Bottled and canned soft drinks & water	<1	1,699	2,629	13,039
Manufactured ice	<1	149	96	515

## Appendix

Breweries	<1	3,915	7,175	21,177
Wineries	<1	4,964	7,687	27,646
Distilleries	<1	444	1,978	5,056
Tobacco product manufacturing	<1	333	9,348	17,646
Fiber, yarn, and thread mills	<1	26	32	273
Broadwoven fabric mills	<1	32	38	237
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	49	63	466
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	11	13	82
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	62	68	254
Textile bag and canvas mills	<1	276	305	1,113
Rope, cordage, twine, tire cord and tire fabric mills	<1	85	95	365
Other textile product mills	<1	269	291	1,046
Hosiery and sock mills	<1	28	37	90
Other apparel knitting mills	<1	33	44	107
Cut and sew apparel contractors	<1	146	164	371
Men's and boys' cut and sew apparel manufacturing	<1	116	135	401
Women's and girls' cut and sew apparel manufacturing	<1	160	220	992
Other cut and sew apparel manufacturing	<1	76	96	315
Apparel accessories and other apparel manufacturing	<1	115	144	446
Leather and hide tanning and finishing	<1	9	12	64
Footwear manufacturing	<1	180	192	683
Other leather and allied product manufacturing	<1	26	28	93
Sawmills	<1	3,004	7,479	19,033
Wood preservation	<1	204	942	2,644
Veneer and plywood manufacturing	<1	1,696	3,585	9,483
Engineered wood member and truss manufacturing	<1	903	2,092	5,110
Reconstituted wood product manufacturing	<1	670	3,360	9,357
Wood windows and door manufacturing	<1	3,668	6,365	15,736
Cut stock, resawing lumber, and planing	<1	1,155	3,442	7,521

## Appendix

Other millwork, including flooring	<1	842	1,926	4,562
Wood container and pallet manufacturing	<1	1,196	2,155	5,158
Manufactured home (mobile home) manufacturing	<1	6	11	27
Prefabricated wood building manufacturing	<1	154	398	976
All other miscellaneous wood product manufacturing	<1	340	657	1,787
Pulp mills	<1	25	39	137
Paper mills	<1	3,537	8,421	26,832
Paperboard mills	<1	2,476	5,165	17,243
Paperboard container manufacturing	<1	3,056	4,788	20,577
Paper bag and coated and treated paper manufacturing	<1	1,647	2,642	9,616
Stationery product manufacturing	<1	15	20	104
Sanitary paper product manufacturing	<1	1,347	3,796	11,827
All other converted paper product manufacturing	<1	200	345	1,085
Printing	<1	11,877	16,400	36,008
Support activities for printing	<1	337	464	790
Petroleum refineries	<1	15	115	1,043
Asphalt paving mixture and block manufacturing	<1	104	146	858
Asphalt shingle and coating materials manufacturing	<1	632	1,541	4,064
Petroleum lubricating oil and grease manufacturing	<1	82	174	763
All other petroleum and coal products manufacturing	<1	4	10	51
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,030	3,220	14,134
Synthetic dye and pigment manufacturing	<1	976	1,142	3,756
Other basic inorganic chemical manufacturing	<1	879	1,083	3,648
Other basic organic chemical manufacturing	<1	1,137	1,688	16,424
Plastics material and resin manufacturing	<1	253	309	2,367
Synthetic rubber manufacturing	<1	81	93	438
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	487	865	4,932

## Appendix

Phosphatic fertilizer manufacturing	<1	128	184	788
Fertilizer mixing	<1	250	315	1,493
Pesticide and other agricultural chemical manufacturing	<1	762	1,314	6,944
Medicinal and botanical manufacturing	<1	124	133	663
Pharmaceutical preparation manufacturing	<1	590	865	3,473
In-vitro diagnostic substance manufacturing	<1	106	112	282
Biological product (except diagnostic) manufacturing	<1	43	67	192
Paint and coating manufacturing	<1	1,373	1,676	8,913
Adhesive manufacturing	<1	300	332	1,383
Soap and other detergent manufacturing	<1	620	893	5,118
Polish and other sanitation good manufacturing	<1	412	447	1,614
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	364	534	2,430
Printing ink manufacturing	<1	89	94	406
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	57	63	284
Photographic film and chemical manufacturing	<1	1,488	2,097	8,541
Other miscellaneous chemical product manufacturing	<1	1,212	1,393	7,993
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	506	811	3,096
Unlaminated plastics profile shape manufacturing	<1	456	1,018	4,076
Plastics pipe and pipe fitting manufacturing	<1	287	783	2,966
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	296	488	1,604
Polystyrene foam product manufacturing	<1	122	212	772
Urethane and other foam product (except polystyrene) manufacturing	<1	729	1,232	4,910
Plastics bottle manufacturing	<1	88	137	577
Other plastics product manufacturing	<1	8,078	11,891	41,779
Tire manufacturing	<1	851	1,100	5,155

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	132	209	780
Other rubber product manufacturing	<1	2,430	3,104	11,945
Pottery, ceramics, and plumbing fixture manufacturing	<1	363	587	1,269
Brick, tile, and other structural clay product manufacturing	<1	384	690	1,712
Flat glass manufacturing	<1	233	478	1,224
Other pressed and blown glass and glassware manufacturing	<1	345	601	2,077
Glass container manufacturing	<1	408	675	1,840
Glass product manufacturing made of purchased glass	<1	3,256	6,110	15,067
Cement manufacturing	<1	112	270	751
Ready-mix concrete manufacturing	<1	1,314	2,268	7,868
Concrete block and brick manufacturing	<1	418	787	2,142
Concrete pipe manufacturing	<1	64	112	278
Other concrete product manufacturing	<1	756	1,174	2,855
Lime manufacturing	<1	198	463	1,342
Gypsum product manufacturing	<1	322	970	2,699
Abrasive product manufacturing	<1	301	674	1,107
Cut stone and stone product manufacturing	<1	567	765	1,838
Ground or treated mineral and earth manufacturing	<1	151	379	878
Mineral wool manufacturing	<1	220	623	1,587
Miscellaneous nonmetallic mineral products manufacturing	<1	68	168	408
Iron and steel mills and ferroalloy manufacturing	<1	4,148	8,070	53,044
Iron, steel pipe and tube manufacturing from purchased steel	<1	79	133	677
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	121	199	2,152
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	197	254	1,321
Nonferrous metal (exc aluminum) smelting and refining	<1	431	1,776	7,294



Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	43	49	171
Secondary processing of other nonferrous metals	<1	1	2	12
Ferrous metal foundries	<1	2,172	2,878	7,002
Nonferrous metal foundries	<1	2,183	2,577	6,577
Custom roll forming	<1	84	107	712
Crown and closure manufacturing and metal stamping	<1	219	260	1,021
Iron and steel forging	<1	140	171	768
Nonferrous forging	<1	42	49	180
Cutlery, utensil, pot, and pan manufacturing	<1	1,406	2,239	9,155
Handtool manufacturing	<1	2,271	2,986	7,411
Prefabricated metal buildings and components manufacturing	<1	207	272	1,183
Fabricated structural metal manufacturing	<1	1,317	1,677	6,614
Plate work manufacturing	<1	1,012	1,111	3,924
Metal window and door manufacturing	<1	375	461	1,705
Sheet metal work manufacturing	<1	1,154	1,393	4,662
Ornamental and architectural metal work manufacturing	<1	1,027	1,162	3,621
Power boiler and heat exchanger manufacturing	<1	33	40	142
Metal tank (heavy gauge) manufacturing	<1	87	99	312
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	210	252	1,279
Hardware manufacturing	<1	86	111	427
Spring and wire product manufacturing	<1	842	999	3,565
Machine shops	<1	7,348	8,142	18,870
Turned product and screw, nut, and bolt manufacturing	<1	493	576	1,868
Metal heat treating	<1	370	438	1,322
Metal coating and nonprecious engraving	<1	937	1,308	4,547
Electroplating, anodizing, and coloring metal	<1	816	868	2,109
Valve and fittings, other than plumbing, manufacturing	<1	38	49	198
Plumbing fixture fitting and trim manufacturing	<1	77	136	752

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	981	1,708	5,503
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	535	852	2,915
Fabricated pipe and pipe fitting manufacturing	<1	395	454	1,468
Other fabricated metal manufacturing	<1	2,129	2,540	8,912
Farm machinery and equipment manufacturing	<1	293	584	2,445
Lawn and garden equipment manufacturing	<1	34	62	300
Construction machinery manufacturing	<1	40	96	318
Mining machinery and equipment manufacturing	<1	3	4	16
Oil and gas field machinery and equipment manufacturing	<1	7	9	30
Semiconductor machinery manufacturing	<1	93	114	348
Food product machinery manufacturing	<1	7	8	29
Sawmill, woodworking, and paper machinery	<1	95	111	342
Printing machinery and equipment manufacturing	<1	6	7	25
All other industrial machinery manufacturing	<1	39	51	147
Optical instrument and lens manufacturing	<1	48	72	186
Photographic and photocopying equipment manufacturing	<1	14	17	55
Other commercial service industry machinery manufacturing	<1	195	326	989
Air purification and ventilation equipment manufacturing	<1	216	289	772
Heating equipment (except warm air furnaces) manufacturing	<1	67	107	319
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	434	790	2,512
Industrial mold manufacturing	<1	33	41	96
Special tool, die, jig, and fixture manufacturing	<1	30	41	86

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	66	79	223
Machine tool manufacturing	<1	13	17	54
Rolling mill and other metalworking machinery manufacturing	<1	13	18	40
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	37	53	106
Mechanical power transmission equipment manufacturing	<1	142	211	562
Other engine equipment manufacturing	<1	21	54	264
Pump and pumping equipment manufacturing	<1	31	54	170
Air and gas compressor manufacturing	<1	6	8	25
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	42	49	157
Overhead cranes, hoists, and monorail systems manufacturing	<1	13	25	97
Industrial truck, trailer, and stacker manufacturing	<1	113	196	590
Power-driven handtool manufacturing	<1	43	124	342
Welding and soldering equipment manufacturing	<1	2	2	8
Packaging machinery manufacturing	<1	21	32	86
Industrial process furnace and oven manufacturing	<1	12	16	40
Fluid power cylinder and actuator manufacturing	<1	63	93	233
Fluid power pump and motor manufacturing	<1	3	5	17
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	13	17	51
Electronic computer manufacturing	<1	34	55	196
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	212	354	1,323
Telephone apparatus manufacturing	<1	2	4	22

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	3	7
Other communications equipment manufacturing	<1	76	145	401
Audio and video equipment manufacturing	<1	89	186	997
Printed circuit assembly (electronic assembly) manufacturing	<1	2,291	4,564	19,623
Bare printed circuit board manufacturing	<1	200	270	799
Semiconductor and related device manufacturing	<1	11,418	20,749	63,646
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	94	132	389
Electronic connector manufacturing	<1	84	127	342
Other electronic component manufacturing	<1	264	357	1,023
Electromedical and electrotherapeutic apparatus manufacturing	<1	14	26	81
Search, detection, and navigation instruments manufacturing	<1	7	14	33
Automatic environmental control manufacturing	<1	46	68	180
Industrial process variable instruments manufacturing	<1	36	60	158
Totalizing fluid meter and counting device manufacturing	<1	45	109	297
Electricity and signal testing instruments manufacturing	<1	148	196	508
Analytical laboratory instrument manufacturing	<1	9,846	18,088	37,294
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	19	32	124
Blank magnetic and optical recording media manufacturing	<1	57	259	1,041
Software and other prerecorded and record reproducing	<1	63	102	287
Electric lamp bulb and part manufacturing	<1	25	43	115
Lighting fixture manufacturing	<1	221	295	935
Small electrical appliance manufacturing	<1	43	97	322

## Appendix

Household cooking appliance manufacturing	<1	15	37	118
Household refrigerator and home freezer manufacturing	<1	19	44	133
Household laundry equipment manufacturing	<1	59	100	375
Other major household appliance manufacturing	<1	10	24	67
Power, distribution, and specialty transformer manufacturing	<1	4	5	15
Motor and generator manufacturing	<1	15	27	63
Switchgear and switchboard apparatus manufacturing	<1	24	45	146
Relay and industrial control manufacturing	<1	160	222	672
Storage battery manufacturing	<1	831	1,385	4,334
Primary battery manufacturing	<1	176	1,221	1,365
Fiber optic cable manufacturing	<1	95	147	589
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	252	507	1,283
Carbon and graphite product manufacturing	<1	434	696	2,126
All other miscellaneous electrical equipment and component manufacturing	<1	30	35	100
Automobile manufacturing	<1	21	128	360
Light truck and utility vehicle manufacturing	<1	4	24	93
Heavy duty truck manufacturing	<1	114	307	1,643
Motor vehicle body manufacturing	<1	64	99	344
Truck trailer manufacturing	<1	11	16	53
Motor home manufacturing	<1	1,365	2,967	9,548
Travel trailer and camper manufacturing	<1	8,739	12,056	51,403
Motor vehicle gasoline engine and engine parts manufacturing	<1	41	82	436
Motor vehicle electrical and electronic equipment manufacturing	<1	2,013	3,132	13,515
Motor vehicle transmission and power train parts manufacturing	<1	874	1,609	6,853
Motor vehicle seating and interior trim manufacturing	<1	5	7	47
Motor vehicle metal stamping	<1	387	562	1,728
Other motor vehicle parts manufacturing	<1	1,878	3,207	13,402

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,154	2,038	6,260
Aircraft manufacturing	<1	20	35	107
Aircraft engine and engine parts manufacturing	<1	10	20	59
Other aircraft parts and auxiliary equipment manufacturing	<1	8,044	10,455	20,410
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	19	22	83
Ship building and repairing	<1	165	212	447
Boat building	<1	1,455	2,175	7,457
Motorcycle, bicycle, and parts manufacturing	<1	545	1,556	3,854
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	645	1,260	4,526
Wood kitchen cabinet and countertop manufacturing	<1	2,464	2,619	7,843
Upholstered household furniture manufacturing	<1	764	818	3,523
Nonupholstered wood household furniture manufacturing	<1	298	309	959
Other household nonupholstered furniture manufacturing	<1	48	57	318
Institutional furniture manufacturing	<1	13	14	47
Wood office furniture manufacturing	<1	2	2	7
Custom architectural woodwork and millwork	<1	27	25	82
Office furniture, except wood, manufacturing	<1	8	9	43
Showcase, partition, shelving, and locker manufacturing	<1	275	292	1,000
Mattress manufacturing	<1	117	137	903
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	35	45	97
Surgical appliance and supplies manufacturing	<1	535	821	2,599

## Appendix

Dental equipment and supplies manufacturing	<1	268	366	1,075
Ophthalmic goods manufacturing	<1	125	183	495
Dental laboratories	<1	376	408	848
Jewelry and silverware manufacturing	<1	947	1,364	3,903
Sporting and athletic goods manufacturing	<1	691	889	3,543
Doll, toy, and game manufacturing	<1	371	523	1,922
Office supplies (except paper) manufacturing	<1	532	682	2,455
Sign manufacturing	<1	1,060	973	2,609
Gasket, packing, and sealing device manufacturing	<1	470	510	1,411
Musical instrument manufacturing	<1	91	98	288
Fasteners, buttons, needles, and pins manufacturing	<1	68	74	181
Broom, brush, and mop manufacturing	<1	486	572	1,800
Burial casket manufacturing	<1	103	135	365
All other miscellaneous manufacturing	<1	824	1,045	3,629
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	7,836	16,557	39,243
Wholesale - Professional and commercial equipment and supplies	<1	28,976	44,377	75,279
Wholesale - Household appliances and electrical and electronic goods	<1	13,916	31,716	63,476
Wholesale - Machinery, equipment, and supplies	<1	18,400	32,960	61,952
Wholesale - Other durable goods merchant wholesalers	<1	26,510	46,314	95,190
Wholesale - Drugs and druggists'sundries	<1	15,406	35,898	85,795
Wholesale - Grocery and related product wholesalers	<1	25,604	37,742	78,296
Wholesale - Petroleum and petroleum products	<1	4,072	47,619	60,485
Wholesale - Other nondurable goods merchant wholesalers	<1	42,448	87,718	183,533
Wholesale - Wholesale electronic markets and agents and brokers	<1	24,454	27,665	33,294
Retail - Motor vehicle and parts dealers	<1	34,294	41,188	59,409
Retail - Furniture and home furnishings stores	<1	15,992	18,812	32,514

## Appendix

Retail - Electronics and appliance stores	<1	14,382	12,591	22,339
Retail - Building material and garden equipment and supplies stores	<1	17,043	29,486	43,511
Retail - Food and beverage stores	1	50,852	69,110	117,504
Retail - Health and personal care stores	<1	20,538	24,984	38,202
Retail - Gasoline stores	<1	21,874	33,329	60,741
Retail - Clothing and clothing accessories stores	<1	25,568	35,835	70,359
Retail - Sporting goods, hobby, musical instrument and book stores	<1	15,211	17,541	30,513
Retail - General merchandise stores	1	44,472	58,992	102,310
Retail - Miscellaneous store retailers	<1	36,605	32,479	53,444
Retail - Nonstore retailers	<1	20,583	119,476	204,954
Air transportation	<1	19,553	46,607	92,742
Rail transportation	<1	4,777	13,156	23,941
Water transportation	<1	1,893	4,324	17,902
Truck transportation	<1	54,936	83,146	162,668
Transit and ground passenger transportation	<1	9,580	19,426	27,498
Pipeline transportation	<1	3,446	6,374	9,948
Scenic and sightseeing transportation and support activities for transportation	<1	54,985	47,375	70,763
Couriers and messengers	1	24,550	50,320	62,963
Warehousing and storage	<1	30,922	33,277	60,920
Newspaper publishers	<1	2,991	4,596	7,362
Periodical publishers	<1	1,907	2,546	5,291
Book publishers	<1	2,138	5,140	12,041
Directory, mailing list, and other publishers	<1	182	397	854
Greeting card publishing	<1	44	142	389
Software publishers	<1	105,341	182,174	252,706
Motion picture and video industries	<1	11,365	20,117	49,939
Sound recording industries	<1	701	5,602	10,551
Radio and television broadcasting	<1	23,086	29,132	79,647
Cable and other subscription programming	<1	8,028	29,955	86,834
Wired telecommunications carriers	<1	11,291	19,703	44,969



## Appendix

Wireless telecommunications carriers (except satellite)	<1	2,074	10,687	39,463
Satellite, telecommunications resellers, and all other telecommunications	<1	1,169	1,430	3,856
Data processing, hosting, and related services	<1	54,048	129,480	274,253
News syndicates, libraries, archives and all other information services	<1	4,566	7,223	14,828
Internet publishing and broadcasting and web search portals	<1	4,792	13,443	61,975
Nondepository credit intermediation and related activities	<1	34,865	37,526	57,263
Securities and commodity contracts intermediation and brokerage	<1	29,769	23,157	60,238
Monetary authorities and depository credit intermediation	1	108,534	279,736	451,786
Other financial investment activities	<1	34,073	38,544	122,502
Direct life insurance carriers	<1	2,216	4,801	6,606
Insurance carriers, except direct life	<1	47,572	168,486	329,681
Insurance agencies, brokerages, and related activities	<1	57,277	100,727	221,572
Funds, trusts, and other financial vehicles	<1	12,760	15,041	58,793
Other real estate	7	305,921	696,867	1,554,335
Tenant-occupied housing	<1	22,297	174,342	188,113
Owner-occupied dwellings	0	0	688,573	835,889
Automotive equipment rental and leasing	<1	13,670	27,027	36,571
General and consumer goods rental except video tapes and discs	<1	11,568	16,746	23,861
Video tape and disc rental	<1	2,587	4,049	6,849
Commercial and industrial machinery and equipment rental and leasing	<1	14,342	25,483	34,093
Lessors of nonfinancial intangible assets	<1	2,847	52,364	57,142
Legal services	2	183,398	255,063	389,618
Accounting, tax preparation, bookkeeping, and payroll services	<1	58,483	70,950	120,311
Architectural, engineering, and related services	<1	83,836	90,854	173,148
Specialized design services	<1	7,428	11,673	21,825

## Appendix

Custom computer programming services	<1	21,851	23,598	33,128
Computer systems design services	<1	24,789	24,170	31,405
Other computer related services, including facilities management	<1	19,672	26,773	49,997
Management consulting services	2	169,699	174,923	295,967
Environmental and other technical consulting services	<1	37,327	40,767	69,316
Scientific research and development services	39	4,477,578	6,730,675	11,387,856
Advertising, public relations, and related services	<1	62,274	90,881	201,225
Photographic services	<1	1,887	4,099	9,364
Veterinary services	<1	12,938	14,250	22,671
Marketing research and all other miscellaneous professional, scientific, and technical services	1	85,297	132,394	309,785
Management of companies and enterprises	2	391,801	469,406	706,318
Office administrative services	<1	20,576	5,480	18,093
Facilities support services	<1	1,722	2,190	6,150
Employment services	5	285,828	366,820	607,557
Business support services	<1	41,379	34,169	60,397
Travel arrangement and reservation services	<1	10,117	14,777	48,982
Investigation and security services	<1	23,478	23,877	34,086
Services to buildings	<1	30,261	39,719	84,390
Landscape and horticultural services	<1	27,143	31,890	60,187
Other support services	<1	14,446	17,596	35,976
Waste management and remediation services	<1	14,516	24,860	51,752
Elementary and secondary schools	<1	28,090	24,391	30,236
Junior colleges, colleges, universities, and professional schools	6	220,382	287,000	423,656
Other educational services	<1	16,051	18,042	35,767
Offices of physicians	2	170,733	172,946	251,471
Offices of dentists	<1	43,144	50,289	68,305
Offices of other health practitioners	<1	34,704	49,541	64,111
Outpatient care centers	<1	50,845	50,216	71,482
Medical and diagnostic laboratories	<1	10,398	15,740	21,905
Home health care services	<1	15,979	15,999	20,544

## Appendix

Other ambulatory health care services	<1	14,415	16,621	24,408
Hospitals	2	232,917	280,752	481,278
Nursing and community care facilities	<1	38,990	44,520	73,163
Residential mental retardation, mental health, substance abuse and other facilities	<1	23,168	24,157	35,187
Individual and family services	2	73,609	66,697	93,333
Child day care services	<1	20,278	33,529	42,487
Community food, housing, and other relief services, including rehabilitation services	<1	18,226	17,303	35,675
Performing arts companies	<1	6,831	11,593	23,523
Commercial Sports Except Racing	<1	17,279	17,078	27,166
Racing and Track Operation	<1	620	1,077	1,957
Independent artists, writers, and performers	<1	6,758	17,789	29,001
Promoters of performing arts and sports and agents for public figures	<1	6,113	14,532	35,740
Museums, historical sites, zoos, and parks	<1	2,132	2,642	4,635
Amusement parks and arcades	<1	541	1,508	1,749
Gambling industries (except casino hotels)	<1	5,782	18,054	25,237
Other amusement and recreation industries	<1	6,583	8,908	12,014
Fitness and recreational sports centers	<1	4,268	6,259	9,574
Bowling centers	<1	861	1,353	2,105
Hotels and motels, including casino hotels	<1	7,908	17,189	26,254
Other accommodations	<1	1,994	2,482	3,317
Full-service restaurants	3	104,436	145,364	258,722
Limited-service restaurants	2	74,876	105,372	231,234
All other food and drinking places	2	67,415	91,989	143,449
Automotive repair and maintenance, except car washes	<1	60,389	61,918	89,158
Car washes	<1	29,830	36,979	54,851
Electronic and precision equipment repair and maintenance	<1	79,368	84,703	134,082
Commercial and industrial machinery and equipment repair and maintenance	<1	27,886	26,991	40,650
Personal and household goods repair and maintenance	<1	6,633	12,397	17,477

## Appendix

Personal care services	<1	14,279	9,758	11,856
Death care services	<1	3,756	2,840	3,898
Dry-cleaning and laundry services	<1	10,327	7,244	9,166
Other personal services	<1	14,627	17,818	25,227
Religious organizations	1	74,873	38,584	119,198
Grantmaking, giving, and social advocacy organizations	<1	18,667	57,501	80,183
Business and professional associations	<1	11,089	18,368	30,098
Labor and civic organizations	<1	8,622	25,561	40,071
Private households	<1	7,927	7,927	7,960
Postal service	<1	23,357	23,455	23,627
Federal electric utilities	<1	12,534	28,752	84,167
Other federal government enterprises	<1	403	-712	224
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	262	435	654
Local government passenger transit	<1	15,647	2,586	8,315
Local government electric utilities	<1	5,438	16,453	31,245
Other local government enterprises	<1	60,774	130,241	275,603
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	360,566	572,381	1,047,443

## Pennsylvania

### NASA

**Table 739: Detailed NASA Impacts by Types of Impact, Pennsylvania**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,749</i>	<i>158,979,819</i>	<i>229,639,172</i>	<i>409,048,382</i>
Oilseed farming	<1	58,108	199,313	234,624
Grain farming	2	89,184	259,974	511,538
Vegetable and melon farming	<1	12,521	25,383	37,965
Fruit farming	<1	10,257	19,375	22,223
Tree nut farming	<1	38	76	91
Greenhouse, nursery, and floriculture production	<1	27,594	57,524	98,677
Tobacco farming	<1	13,899	21,447	36,311
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	14,931	28,040	48,227
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	27,144	72,986	136,119
Dairy cattle and milk production	<1	35,507	84,181	307,850
Poultry and egg production	<1	18,465	52,385	402,915
Animal production, except cattle and poultry and eggs	3	121,089	329,392	373,819
Forestry, forest products, and timber tract production	<1	9,319	10,027	13,165
Commercial logging	<1	31,599	32,017	47,410
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	366	3,106	4,616
Support activities for agriculture and forestry	3	132,019	136,923	152,649
Oil and gas extraction	<1	80,535	867,528	1,363,198
Coal mining	<1	43,007	118,586	201,020
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	7,164	14,639	33,971
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	18,174	65,635	110,332
Sand and gravel mining	<1	5,610	9,574	18,786

## Appendix

Other clay, ceramic, refractory minerals mining	<1	336	615	1,143
Potash, soda, and borate mineral mining	<1	140	205	485
Phosphate rock mining	<1	55	102	244
Other chemical and fertilizer mineral mining	<1	24	37	90
Other nonmetallic minerals	<1	334	589	1,415
Drilling oil and gas wells	<1	22	152	223
Support activities for oil and gas operations	<1	1,072	2,697	4,581
Metal mining services	<1	1,933	22,340	40,167
Other nonmetallic minerals services	<1	154	1,259	2,599
Electric power generation - Hydroelectric	<1	3,542	9,604	19,510
Electric power generation - Fossil fuel	<1	95,692	387,438	879,537
Electric power generation - Nuclear	<1	140,891	318,162	647,079
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	1,511	15,067	28,536
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	5,880	17,079	33,283
Electric power generation - All other	<1	56	-10	24
Electric power transmission and distribution	2	395,580	1,509,369	3,392,792
Natural gas distribution	1	144,243	566,040	1,281,165
Water, sewage and other systems	<1	41,567	90,388	146,925
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	6	488,480	487,964	960,358
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	5	395,299	506,527	1,309,393
Maintenance and repair construction of residential structures	2	160,907	207,364	501,904
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	190	248	638
Dog and cat food manufacturing	<1	37,515	98,972	369,412
Other animal food manufacturing	<1	23,797	43,508	376,215
Flour milling	<1	5,693	12,147	74,569
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,952	12,344	116,341
Fats and oils refining and blending	<1	1,576	4,238	24,810
Breakfast cereal manufacturing	<1	25,802	64,204	163,899
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	1,030	2,937	11,968
Nonchocolate confectionery manufacturing	<1	16,219	23,157	89,042
Chocolate and confectionery manufacturing from cacao beans	<1	18,755	28,800	130,777
Confectionery manufacturing from purchased chocolate	<1	29,212	43,210	190,983
Frozen fruits, juices and vegetables manufacturing	<1	3,096	6,648	29,192
Frozen specialties manufacturing	<1	10,456	14,398	62,152
Canned fruits and vegetables manufacturing	<1	22,166	43,715	170,733
Canned specialties	<1	6,046	14,306	59,972
Dehydrated food products manufacturing	<1	599	1,114	4,106
Cheese manufacturing	<1	17,228	24,303	217,006
Dry, condensed, and evaporated dairy product manufacturing	<1	2,815	6,866	37,935
Fluid milk manufacturing	<1	21,199	34,614	221,186
Creamery butter manufacturing	<1	1,778	6,120	35,363
Ice cream and frozen dessert manufacturing	<1	8,545	12,329	50,923



## Appendix

Frozen cakes and other pastries manufacturing	<1	25,653	36,541	68,425
Poultry processing	<1	59,207	74,035	310,744
Animal, except poultry, slaughtering	1	82,224	99,359	767,115
Meat processed from carcasses	1	74,783	71,213	556,705
Rendering and meat byproduct processing	<1	3,474	3,574	22,128
Seafood product preparation and packaging	<1	1,264	1,751	10,255
Bread and bakery product, except frozen, manufacturing	1	70,792	102,360	252,294
Cookie and cracker manufacturing	<1	22,146	32,143	125,212
Dry pasta, mixes, and dough manufacturing	<1	9,428	22,340	82,984
Tortilla manufacturing	<1	489	653	2,369
Roasted nuts and peanut butter manufacturing	<1	4,038	7,775	30,063
Other snack food manufacturing	<1	31,936	90,537	308,421
Coffee and tea manufacturing	<1	5,977	11,158	54,502
Flavoring syrup and concentrate manufacturing	<1	7,679	60,722	118,952
Mayonnaise, dressing, and sauce manufacturing	<1	5,625	10,829	47,695
Spice and extract manufacturing	<1	3,483	5,777	26,167
All other food manufacturing	<1	18,824	27,066	133,111
Bottled and canned soft drinks & water	<1	35,059	62,161	266,828
Manufactured ice	<1	2,734	1,884	8,423
Breweries	<1	27,182	52,032	159,632
Wineries	<1	11,053	19,842	115,774
Distilleries	<1	6,578	26,544	88,845
Tobacco product manufacturing	<1	7,484	175,946	321,746
Fiber, yarn, and thread mills	<1	2,322	2,304	15,336
Broadwoven fabric mills	<1	4,004	3,729	17,098
Narrow fabric mills and schiffli machine embroidery	<1	3,311	3,302	9,961
Nonwoven fabric mills	<1	15,510	10,878	81,104
Knit fabric mills	<1	1,876	1,722	6,595
Textile and fabric finishing mills	<1	1,311	1,226	6,541
Fabric coating mills	<1	2,015	1,918	8,924
Carpet and rug mills	<1	4,876	4,382	23,956
Curtain and linen mills	<1	3,484	3,259	13,023
Textile bag and canvas mills	<1	4,336	4,004	14,832
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,367	1,262	4,127

## Appendix

Other textile product mills	<1	5,326	5,081	16,770
Hosiery and sock mills	<1	644	712	1,743
Other apparel knitting mills	<1	598	701	1,765
Cut and sew apparel contractors	<1	3,999	4,204	7,681
Men's and boys' cut and sew apparel manufacturing	<1	2,177	2,257	6,922
Women's and girls' cut and sew apparel manufacturing	<1	2,280	2,237	12,124
Other cut and sew apparel manufacturing	<1	1,170	1,239	4,609
Apparel accessories and other apparel manufacturing	<1	3,765	3,661	11,231
Leather and hide tanning and finishing	<1	441	465	2,540
Footwear manufacturing	<1	1,639	1,688	5,482
Other leather and allied product manufacturing	<1	659	662	2,332
Sawmills	<1	26,165	35,447	179,086
Wood preservation	<1	2,124	3,696	20,117
Veneer and plywood manufacturing	<1	4,769	6,184	26,927
Engineered wood member and truss manufacturing	<1	8,200	10,196	34,152
Reconstituted wood product manufacturing	<1	4,701	8,675	47,955
Wood windows and door manufacturing	<1	38,871	43,446	137,972
Cut stock, resawing lumber, and planing	<1	4,391	6,294	24,737
Other millwork, including flooring	<1	13,123	16,050	52,737
Wood container and pallet manufacturing	<1	19,148	21,455	66,222
Manufactured home (mobile home) manufacturing	<1	23	26	82
Prefabricated wood building manufacturing	<1	4,858	5,969	21,561
All other miscellaneous wood product manufacturing	<1	12,322	13,851	47,475
Pulp mills	<1	111	159	472
Paper mills	<1	59,029	122,464	358,746
Paperboard mills	<1	3,747	7,334	20,823
Paperboard container manufacturing	<1	76,602	113,666	463,334
Paper bag and coated and treated paper manufacturing	<1	39,844	60,148	185,872
Stationery product manufacturing	<1	7,797	9,809	39,500

## Appendix

Sanitary paper product manufacturing	<1	60,556	169,197	520,002
All other converted paper product manufacturing	<1	14,148	23,209	79,396
Printing	3	237,245	413,483	750,988
Support activities for printing	<1	7,969	13,775	19,930
Petroleum refineries	<1	51,251	405,130	1,773,163
Asphalt paving mixture and block manufacturing	<1	5,689	8,282	32,310
Asphalt shingle and coating materials manufacturing	<1	5,372	17,650	39,753
Petroleum lubricating oil and grease manufacturing	<1	29,425	78,575	185,500
All other petroleum and coal products manufacturing	<1	21,594	66,554	166,806
Petrochemical manufacturing	<1	7,592	84,234	224,246
Industrial gas manufacturing	<1	51,091	131,256	373,143
Synthetic dye and pigment manufacturing	<1	14,169	26,470	63,921
Other basic inorganic chemical manufacturing	<1	13,955	27,790	72,873
Other basic organic chemical manufacturing	<1	14,980	35,047	224,656
Plastics material and resin manufacturing	<1	38,559	64,911	341,964
Synthetic rubber manufacturing	<1	1,558	2,113	6,833
Artificial and synthetic fibers and filaments manufacturing	<1	2,641	3,716	16,487
Nitrogenous fertilizer manufacturing	<1	3,597	11,195	32,297
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2,989	5,592	17,317
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	5,718	8,446	25,787
Pharmaceutical preparation manufacturing	2	419,063	941,868	1,865,868
In-vitro diagnostic substance manufacturing	<1	5,720	7,626	16,935
Biological product (except diagnostic) manufacturing	<1	56,325	142,684	283,958
Paint and coating manufacturing	<1	13,329	24,628	83,472
Adhesive manufacturing	<1	6,831	10,283	36,487
Soap and other detergent manufacturing	<1	23,487	54,301	171,884
Polish and other sanitation good manufacturing	<1	27,450	40,747	104,797

## Appendix

Surface active agent manufacturing	<1	1,229	4,191	11,077
Toilet preparation manufacturing	<1	23,235	61,379	182,605
Printing ink manufacturing	<1	1,808	1,943	5,724
Explosives manufacturing	<1	421	461	1,592
Custom compounding of purchased resins	<1	14,569	25,549	77,063
Photographic film and chemical manufacturing	<1	25,763	50,970	120,543
Other miscellaneous chemical product manufacturing	<1	50,111	75,103	251,386
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	71,045	109,512	422,250
Unlaminated plastics profile shape manufacturing	<1	13,157	27,766	85,529
Plastics pipe and pipe fitting manufacturing	<1	10,210	27,680	96,964
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	10,511	16,916	48,046
Polystyrene foam product manufacturing	<1	22,265	38,016	133,484
Urethane and other foam product (except polystyrene) manufacturing	<1	9,765	16,066	61,791
Plastics bottle manufacturing	<1	9,419	14,266	63,433
Other plastics product manufacturing	2	136,214	197,649	653,976
Tire manufacturing	<1	25,360	32,387	141,620
Rubber and plastics hoses and belting manufacturing	<1	3,323	5,128	17,671
Other rubber product manufacturing	<1	55,045	68,223	188,939
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,308	5,345	11,378
Brick, tile, and other structural clay product manufacturing	<1	6,761	11,711	26,444
Flat glass manufacturing	<1	5,358	10,691	23,273
Other pressed and blown glass and glassware manufacturing	<1	17,451	29,559	68,360
Glass container manufacturing	<1	3,659	5,997	14,262
Glass product manufacturing made of purchased glass	<1	14,072	25,991	68,006
Cement manufacturing	<1	5,977	14,068	37,157
Ready-mix concrete manufacturing	<1	23,244	38,759	128,886
Concrete block and brick manufacturing	<1	8,877	16,062	42,099
Concrete pipe manufacturing	<1	239	398	1,012

## Appendix

Other concrete product manufacturing	<1	19,092	28,692	71,781
Lime manufacturing	<1	1,657	3,695	10,495
Gypsum product manufacturing	<1	5,283	15,591	41,772
Abrasive product manufacturing	<1	2,311	5,163	9,109
Cut stone and stone product manufacturing	<1	10,768	14,190	32,354
Ground or treated mineral and earth manufacturing	<1	7,498	17,657	31,941
Mineral wool manufacturing	<1	4,209	11,672	27,886
Miscellaneous nonmetallic mineral products manufacturing	<1	1,341	3,151	7,180
Iron and steel mills and ferroalloy manufacturing	<1	74,465	176,601	994,682
Iron, steel pipe and tube manufacturing from purchased steel	<1	8,190	17,040	78,858
Rolled steel shape manufacturing	<1	7,477	23,232	101,441
Steel wire drawing	<1	5,454	10,303	44,974
Alumina refining and primary aluminum production	<1	1,678	2,723	15,982
Secondary smelting and alloying of aluminum	<1	447	846	7,474
Aluminum sheet, plate, and foil manufacturing	<1	22,257	44,650	168,386
Other aluminum rolling, drawing and extruding	<1	9,172	12,924	59,034
Nonferrous metal (exc aluminum) smelting and refining	<1	2,000	11,516	39,100
Copper rolling, drawing, extruding and alloying	<1	22,064	42,641	362,802
Nonferrous metal, except copper and aluminum, shaping	<1	8,068	9,652	33,283
Secondary processing of other nonferrous metals	<1	784	1,532	7,124
Ferrous metal foundries	<1	18,091	27,919	68,083
Nonferrous metal foundries	<1	14,789	19,212	49,149
Custom roll forming	<1	308	401	2,917
Crown and closure manufacturing and metal stamping	<1	16,424	19,696	63,560
Iron and steel forging	<1	11,782	14,665	59,461
Nonferrous forging	<1	3,528	4,181	17,623
Cutlery, utensil, pot, and pan manufacturing	<1	3,932	6,720	28,827
Handtool manufacturing	<1	7,846	10,947	30,534
Prefabricated metal buildings and components manufacturing	<1	11,706	15,290	54,162

## Appendix

Fabricated structural metal manufacturing	<1	21,458	28,482	110,002
Plate work manufacturing	<1	13,139	14,381	44,901
Metal window and door manufacturing	<1	18,735	23,540	75,294
Sheet metal work manufacturing	<1	25,264	31,098	96,895
Ornamental and architectural metal work manufacturing	<1	17,650	20,069	54,567
Power boiler and heat exchanger manufacturing	<1	1,165	1,455	4,692
Metal tank (heavy gauge) manufacturing	<1	2,997	3,453	11,210
Metal cans manufacturing	<1	10,751	16,989	107,215
Metal barrels, drums and pails manufacturing	<1	1,703	2,057	9,532
Hardware manufacturing	<1	3,954	5,214	19,363
Spring and wire product manufacturing	<1	11,605	13,976	46,254
Machine shops	2	119,116	133,375	300,186
Turned product and screw, nut, and bolt manufacturing	<1	21,585	25,488	68,974
Metal heat treating	<1	5,233	6,315	18,156
Metal coating and nonprecious engraving	<1	14,389	21,197	62,664
Electroplating, anodizing, and coloring metal	<1	11,776	12,501	28,599
Valve and fittings, other than plumbing, manufacturing	<1	20,849	27,985	96,056
Plumbing fixture fitting and trim manufacturing	<1	160	295	1,252
Ball and roller bearing manufacturing	<1	6,199	8,623	21,163
Small arms ammunition manufacturing	<1	3,800	6,965	21,225
Ammunition, except for small arms, manufacturing	<1	895	984	2,489
Small arms, ordnance, and accessories manufacturing	<1	14,180	23,870	80,286
Fabricated pipe and pipe fitting manufacturing	<1	4,762	5,532	16,724
Other fabricated metal manufacturing	<1	42,486	51,421	156,020
Farm machinery and equipment manufacturing	<1	1,659	3,061	12,987
Lawn and garden equipment manufacturing	<1	336	584	2,619
Construction machinery manufacturing	<1	1,968	4,501	14,027
Mining machinery and equipment manufacturing	<1	356	496	1,334

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	259	325	1,011
Semiconductor machinery manufacturing	<1	513	616	1,967
Food product machinery manufacturing	<1	64	72	203
Sawmill, woodworking, and paper machinery	<1	532	602	1,791
Printing machinery and equipment manufacturing	<1	153	168	554
All other industrial machinery manufacturing	<1	5,998	7,716	21,858
Optical instrument and lens manufacturing	0	-3,557	-5,307	-12,584
Photographic and photocopying equipment manufacturing	<1	107	130	377
Other commercial service industry machinery manufacturing	<1	1,418	2,225	6,404
Air purification and ventilation equipment manufacturing	<1	4,624	5,966	17,072
Heating equipment (except warm air furnaces) manufacturing	<1	6,569	10,481	30,163
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10,123	16,778	52,348
Industrial mold manufacturing	<1	1,377	1,641	3,541
Special tool, die, jig, and fixture manufacturing	<1	2,845	3,686	7,166
Cutting tool and machine tool accessory manufacturing	<1	2,444	2,818	7,181
Machine tool manufacturing	<1	352	443	1,390
Rolling mill and other metalworking machinery manufacturing	<1	1,237	1,625	3,838
Turbine and turbine generator set units manufacturing	<1	234	256	812
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,588	2,197	4,870
Mechanical power transmission equipment manufacturing	<1	4,745	6,630	16,785
Other engine equipment manufacturing	<1	8,407	16,448	61,703
Pump and pumping equipment manufacturing	<1	29,017	54,355	149,519
Air and gas compressor manufacturing	<1	12,160	16,889	45,044
Elevator and moving stairway manufacturing	<1	153	193	585

## Appendix

Conveyor and conveying equipment manufacturing	<1	698	784	2,147
Overhead cranes, hoists, and monorail systems manufacturing	<1	331	570	1,966
Industrial truck, trailer, and stacker manufacturing	<1	668	1,068	3,322
Power-driven handtool manufacturing	<1	417	1,108	2,789
Welding and soldering equipment manufacturing	<1	273	401	1,267
Packaging machinery manufacturing	<1	659	951	2,659
Industrial process furnace and oven manufacturing	<1	6,938	8,425	21,240
Fluid power cylinder and actuator manufacturing	<1	1,608	2,231	6,050
Fluid power pump and motor manufacturing	<1	381	604	1,837
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	644	778	2,034
Electronic computer manufacturing	<1	398	551	2,595
Computer storage device manufacturing	<1	6	9	76
Computer terminals and other computer peripheral equipment manufacturing	<1	2,212	2,988	10,723
Telephone apparatus manufacturing	<1	1,581	2,463	9,115
Broadcast and wireless communications equipment manufacturing	<1	643	831	2,251
Other communications equipment manufacturing	<1	3,265	4,817	13,663
Audio and video equipment manufacturing	<1	290	461	3,393
Printed circuit assembly (electronic assembly) manufacturing	<1	10,511	15,399	76,008
Bare printed circuit board manufacturing	<1	1,766	2,117	6,670
Semiconductor and related device manufacturing	<1	5,840	8,683	33,686
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	4,130	4,977	16,454
Electronic connector manufacturing	<1	46,031	57,669	170,441
Other electronic component manufacturing	<1	3,824	4,076	14,743



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	1,238	1,796	5,988
Search, detection, and navigation instruments manufacturing	<1	204	301	920
Automatic environmental control manufacturing	<1	1,209	1,528	4,451
Industrial process variable instruments manufacturing	<1	9,014	12,645	33,031
Totalizing fluid meter and counting device manufacturing	<1	4,372	7,812	21,492
Electricity and signal testing instruments manufacturing	<1	5,744	6,860	21,925
Analytical laboratory instrument manufacturing	3	325,417	486,561	1,281,108
Irradiation apparatus manufacturing	<1	34	55	198
Watch, clock, and other measuring and controlling device manufacturing	<1	33,482	44,905	158,509
Blank magnetic and optical recording media manufacturing	<1	45	138	1,212
Software and other prerecorded and record reproducing	<1	64	89	416
Electric lamp bulb and part manufacturing	<1	42,884	55,844	149,959
Lighting fixture manufacturing	<1	7,341	8,826	31,204
Small electrical appliance manufacturing	<1	3,686	6,455	26,174
Household cooking appliance manufacturing	<1	135	252	1,219
Household refrigerator and home freezer manufacturing	<1	164	289	1,274
Household laundry equipment manufacturing	<1	516	734	3,855
Other major household appliance manufacturing	<1	63	127	508
Power, distribution, and specialty transformer manufacturing	<1	291	363	1,015
Motor and generator manufacturing	<1	1,004	1,536	6,183
Switchgear and switchboard apparatus manufacturing	<1	5,700	8,447	25,147
Relay and industrial control manufacturing	<1	21,713	26,029	66,330
Storage battery manufacturing	<1	49,751	69,432	243,641
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,344	1,769	8,325

## Appendix

Other communication and energy wire manufacturing	<1	2,522	3,700	18,989
Wiring device manufacturing	<1	30,577	49,650	120,747
Carbon and graphite product manufacturing	<1	19,989	26,761	101,420
All other miscellaneous electrical equipment and component manufacturing	2	185,909	205,782	667,862
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	258	508	2,750
Motor vehicle body manufacturing	<1	1,707	2,226	8,471
Truck trailer manufacturing	<1	133	168	712
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	12,458	14,895	70,724
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,174	1,797	7,786
Motor vehicle electrical and electronic equipment manufacturing	<1	18,039	23,782	122,790
Motor vehicle transmission and power train parts manufacturing	<1	16,005	22,669	99,154
Motor vehicle seating and interior trim manufacturing	<1	1,016	1,194	6,284
Motor vehicle metal stamping	<1	2,514	3,108	11,949
Other motor vehicle parts manufacturing	<1	25,236	33,715	141,410
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	21,386	30,716	123,277
Aircraft manufacturing	<1	9,278	14,641	34,025
Aircraft engine and engine parts manufacturing	<1	4,519	9,103	24,047
Other aircraft parts and auxiliary equipment manufacturing	<1	84,782	104,871	236,389
Guided missile and space vehicle manufacturing	<1	269	371	736
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	874	1,091	1,930
Railroad rolling stock manufacturing	<1	608	636	2,269
Ship building and repairing	<1	505	645	1,472
Boat building	<1	50	67	297
Motorcycle, bicycle, and parts manufacturing	<1	9,290	20,303	58,787

## Appendix

Military armored vehicle, tank, and tank component manufacturing	2	153,610	242,079	761,943
All other transportation equipment manufacturing	<1	2,476	4,076	20,002
Wood kitchen cabinet and countertop manufacturing	<1	25,173	27,879	74,863
Upholstered household furniture manufacturing	<1	10,276	10,829	36,425
Nonupholstered wood household furniture manufacturing	<1	4,664	4,943	15,461
Other household nonupholstered furniture manufacturing	<1	3,582	4,567	19,692
Institutional furniture manufacturing	<1	377	389	1,286
Wood office furniture manufacturing	<1	147	162	498
Custom architectural woodwork and millwork	<1	492	464	1,323
Office furniture, except wood, manufacturing	<1	810	956	3,474
Showcase, partition, shelving, and locker manufacturing	<1	3,541	3,960	11,505
Mattress manufacturing	<1	2,802	3,666	19,297
Blind and shade manufacturing	<1	385	385	1,246
Surgical and medical instrument manufacturing	<1	21,011	31,029	61,770
Surgical appliance and supplies manufacturing	<1	19,156	32,990	78,597
Dental equipment and supplies manufacturing	<1	1,067	1,554	4,047
Ophthalmic goods manufacturing	<1	3,172	5,381	12,251
Dental laboratories	<1	4,034	4,464	8,429
Jewelry and silverware manufacturing	<1	4,237	7,092	20,253
Sporting and athletic goods manufacturing	<1	7,306	9,973	32,850
Doll, toy, and game manufacturing	<1	3,994	6,568	19,154
Office supplies (except paper) manufacturing	<1	14,163	19,986	48,293
Sign manufacturing	<1	13,869	13,017	30,183
Gasket, packing, and sealing device manufacturing	<1	6,690	7,401	15,667
Musical instrument manufacturing	<1	2,846	3,065	6,332
Fasteners, buttons, needles, and pins manufacturing	<1	823	914	1,826

## Appendix

Broom, brush, and mop manufacturing	<1	6,637	8,728	22,766
Burial casket manufacturing	<1	3,876	5,442	10,881
All other miscellaneous manufacturing	1	201,690	152,013	420,658
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	102,420	226,666	565,444
Wholesale - Professional and commercial equipment and supplies	3	401,820	627,338	1,161,970
Wholesale - Household appliances and electrical and electronic goods	2	183,503	431,116	983,715
Wholesale - Machinery, equipment, and supplies	2	232,282	434,547	813,229
Wholesale - Other durable goods merchant wholesalers	4	353,633	641,647	1,343,415
Wholesale - Drugs and druggists'sundries	1	269,764	637,311	1,303,563
Wholesale - Grocery and related product wholesalers	4	296,580	441,208	905,079
Wholesale - Petroleum and petroleum products	<1	39,959	760,914	892,477
Wholesale - Other nondurable goods merchant wholesalers	4	413,840	963,301	1,814,639
Wholesale - Wholesale electronic markets and agents and brokers	3	448,329	504,932	578,813
Retail - Motor vehicle and parts dealers	6	405,596	551,997	798,160
Retail - Furniture and home furnishings stores	4	195,441	250,515	424,124
Retail - Electronics and appliance stores	3	190,554	175,262	303,003
Retail - Building material and garden equipment and supplies stores	5	238,328	437,850	636,487
Retail - Food and beverage stores	19	706,627	975,532	1,643,705
Retail - Health and personal care stores	8	443,335	548,374	805,477
Retail - Gasoline stores	6	186,411	414,886	842,203
Retail - Clothing and clothing accessories stores	6	224,830	354,875	756,366
Retail - Sporting goods, hobby, musical instrument and book stores	5	175,795	220,763	374,475
Retail - General merchandise stores	13	507,715	774,438	1,318,665
Retail - Miscellaneous store retailers	13	433,826	427,719	714,951
Retail - Nonstore retailers	13	433,157	1,983,248	3,155,987
Air transportation	2	280,304	573,873	1,149,407

## Appendix

Rail transportation	<1	100,971	214,954	462,863
Water transportation	<1	27,892	54,164	230,559
Truck transportation	11	1,014,094	1,406,576	2,792,837
Transit and ground passenger transportation	11	301,889	351,848	526,946
Pipeline transportation	<1	649,996	538,026	541,925
Scenic and sightseeing transportation and support activities for transportation	6	524,512	419,062	675,881
Couriers and messengers	14	388,398	673,050	842,487
Warehousing and storage	10	635,007	667,005	1,194,237
Newspaper publishers	1	79,551	122,567	185,523
Periodical publishers	<1	77,951	104,520	180,700
Book publishers	<1	61,500	142,555	304,442
Directory, mailing list, and other publishers	<1	41,096	88,161	150,129
Greeting card publishing	<1	595	1,723	2,506
Software publishers	16	3,546,460	6,551,832	8,276,400
Motion picture and video industries	1	115,410	182,879	430,516
Sound recording industries	<1	11,717	74,773	143,695
Radio and television broadcasting	2	2,107,712	2,171,618	2,555,803
Cable and other subscription programming	<1	362,749	623,889	964,670
Wired telecommunications carriers	2	394,528	1,066,163	1,601,989
Wireless telecommunications carriers (except satellite)	<1	64,819	705,164	1,238,247
Satellite, telecommunications resellers, and all other telecommunications	<1	26,791	36,535	77,511
Data processing, hosting, and related services	4	564,887	1,052,111	2,971,581
News syndicates, libraries, archives and all other information services	1	70,055	100,772	338,371
Internet publishing and broadcasting and web search portals	2	415,061	923,683	2,573,040
Nondepository credit intermediation and related activities	4	503,978	545,452	810,112
Securities and commodity contracts intermediation and brokerage	8	782,915	723,223	1,186,880
Monetary authorities and depository credit intermediation	17	1,859,144	4,863,854	7,734,856

## Appendix

Other financial investment activities	17	1,382,987	1,682,144	3,559,155
Direct life insurance carriers	3	368,819	647,668	902,597
Insurance carriers, except direct life	10	1,181,721	3,047,793	6,569,613
Insurance agencies, brokerages, and related activities	10	943,602	1,385,827	3,198,964
Funds, trusts, and other financial vehicles	4	141,783	127,571	830,820
Other real estate	78	2,197,129	7,401,651	17,187,160
Tenant-occupied housing	7	193,749	1,826,917	2,001,551
Owner-occupied dwellings	0	0	9,434,478	11,385,852
Automotive equipment rental and leasing	2	135,649	440,529	563,891
General and consumer goods rental except video tapes and discs	2	95,702	163,460	247,363
Video tape and disc rental	<1	32,500	51,191	86,248
Commercial and industrial machinery and equipment rental and leasing	1	150,539	424,495	529,821
Lessors of nonfinancial intangible assets	<1	22,581	605,619	647,569
Legal services	25	3,001,516	5,117,216	6,760,555
Accounting, tax preparation, bookkeeping, and payroll services	11	1,067,557	1,241,197	1,894,802
Architectural, engineering, and related services	14	1,378,882	1,468,359	2,586,523
Specialized design services	<1	79,035	114,263	213,472
Custom computer programming services	4	466,686	477,648	648,372
Computer systems design services	5	595,122	548,985	690,454
Other computer related services, including facilities management	3	367,911	463,642	870,016
Management consulting services	35	4,427,435	4,527,074	6,738,860
Environmental and other technical consulting services	5	488,313	524,743	822,832
Scientific research and development services	480	57,534,517	71,224,978	129,354,701
Advertising, public relations, and related services	9	872,459	1,151,047	2,495,272
Photographic services	<1	27,463	56,029	132,957
Veterinary services	2	107,404	116,096	180,178
Marketing research and all other miscellaneous professional, scientific, and technical services	13	1,458,992	2,048,754	4,257,415
Management of companies and enterprises	36	6,027,568	6,837,543	10,174,959

## Appendix

Office administrative services	2	183,682	35,715	138,631
Facilities support services	2	91,896	111,693	311,131
Employment services	59	3,438,441	4,190,223	7,009,792
Business support services	8	474,389	379,613	665,244
Travel arrangement and reservation services	2	123,887	167,943	596,155
Investigation and security services	8	366,983	376,733	539,561
Services to buildings	15	603,145	763,627	1,643,647
Landscape and horticultural services	7	376,966	436,284	808,936
Other support services	4	212,321	252,518	550,503
Waste management and remediation services	3	275,478	438,694	890,826
Elementary and secondary schools	8	434,219	324,741	396,200
Junior colleges, colleges, universities, and professional schools	47	3,125,196	3,752,461	4,839,794
Other educational services	5	291,962	318,336	574,867
Offices of physicians	23	3,074,259	3,085,742	4,224,405
Offices of dentists	6	426,968	511,873	692,508
Offices of other health practitioners	8	474,227	722,260	913,862
Outpatient care centers	8	666,312	655,760	1,010,574
Medical and diagnostic laboratories	2	184,914	301,285	402,893
Home health care services	14	785,448	779,397	991,109
Other ambulatory health care services	3	224,990	265,979	409,576
Hospitals	50	4,868,565	5,607,310	10,282,249
Nursing and community care facilities	14	751,128	784,708	1,257,864
Residential mental retardation, mental health, substance abuse and other facilities	8	479,375	490,082	692,408
Individual and family services	33	1,451,720	1,290,437	1,690,756
Child day care services	9	330,978	546,991	694,456
Community food, housing, and other relief services, including rehabilitation services	5	223,766	209,560	419,003
Performing arts companies	2	78,474	143,065	238,745
Commercial Sports Except Racing	5	314,758	262,312	376,791
Racing and Track Operation	<1	27,677	39,310	64,998
Independent artists, writers, and performers	1	45,308	145,424	195,396

## Appendix

Promoters of performing arts and sports and agents for public figures	2	68,380	193,668	372,465
Museums, historical sites, zoos, and parks	1	53,727	68,040	117,035
Amusement parks and arcades	<1	17,563	34,209	43,166
Gambling industries (except casino hotels)	3	151,939	410,157	557,215
Other amusement and recreation industries	5	154,405	115,153	190,315
Fitness and recreational sports centers	3	61,996	81,632	137,932
Bowling centers	<1	11,669	17,005	28,587
Hotels and motels, including casino hotels	5	264,792	446,220	677,037
Other accommodations	2	116,036	141,964	179,969
Full-service restaurants	36	1,145,932	1,625,402	3,212,181
Limited-service restaurants	26	729,359	1,099,988	2,601,199
All other food and drinking places	24	891,496	1,186,434	1,920,184
Automotive repair and maintenance, except car washes	12	834,379	905,323	1,293,097
Car washes	5	361,960	511,721	756,734
Electronic and precision equipment repair and maintenance	4	325,569	371,102	600,994
Commercial and industrial machinery and equipment repair and maintenance	4	411,605	419,558	620,206
Personal and household goods repair and maintenance	2	89,492	168,857	233,585
Personal care services	13	363,891	172,989	236,626
Death care services	2	80,232	47,009	71,347
Dry-cleaning and laundry services	3	113,418	58,885	82,607
Other personal services	5	163,811	212,103	307,126
Religious organizations	23	1,192,678	590,352	1,955,170
Grantmaking, giving, and social advocacy organizations	3	229,887	700,442	982,840
Business and professional associations	2	200,393	324,868	512,493
Labor and civic organizations	7	193,017	573,100	1,059,181
Private households	5	86,438	86,438	86,438
Postal service	4	406,634	408,949	409,097
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	9,229	16,909	32,315
State government passenger transit	10	924,881	200,988	551,052



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	4	505,009	632,473	1,193,698
Local government passenger transit	<1	77,784	7,419	34,737
Local government electric utilities	<1	305	829	1,906
Other local government enterprises	4	436,036	763,979	1,769,610
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	54	9,369,743	13,127,236	22,092,227

## Moon to Mars Campaign

**Table 740: Detailed M2M Campaign Impacts by Types of Impact, Pennsylvania**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>989</i>	<i>91,627,408</i>	<i>130,992,843</i>	<i>228,927,532</i>
Oilseed farming	<1	43,381	172,297	213,578
Grain farming	1	45,543	186,614	265,358
Vegetable and melon farming	<1	6,711	14,480	20,797
Fruit farming	<1	6,004	11,537	13,054
Tree nut farming	<1	23	48	58
Greenhouse, nursery, and floriculture production	<1	13,643	30,267	50,057
Tobacco farming	<1	11,992	18,960	34,481

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	6,864	13,707	22,936
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	13,132	40,438	65,038
Dairy cattle and milk production	<1	20,166	52,000	172,894
Poultry and egg production	<1	9,155	27,560	198,959
Animal production, except cattle and poultry and eggs	2	58,972	188,483	205,069
Forestry, forest products, and timber tract production	<1	5,694	6,165	7,954
Commercial logging	<1	14,740	15,603	22,314
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	307	1,663	2,447
Support activities for agriculture and forestry	2	72,264	75,988	84,710
Oil and gas extraction	<1	28,767	375,179	630,867
Coal mining	<1	14,057	40,498	68,602
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	2,080	4,336	9,887
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	8,699	30,970	51,971
Sand and gravel mining	<1	3,222	5,513	10,542
Other clay, ceramic, refractory minerals mining	<1	175	324	599
Potash, soda, and borate mineral mining	<1	74	110	261
Phosphate rock mining	<1	32	60	144
Other chemical and fertilizer mineral mining	<1	13	20	49
Other nonmetallic minerals	<1	200	355	855
Drilling oil and gas wells	<1	9	65	97
Support activities for oil and gas operations	<1	388	1,008	1,753
Metal mining services	<1	708	9,335	16,967
Other nonmetallic minerals services	<1	65	646	1,309
Electric power generation - Hydroelectric	<1	2,440	6,468	12,958

Appendix

Electric power generation - Fossil fuel	<1	64,650	240,078	545,556
Electric power generation - Nuclear	<1	98,455	221,320	447,152
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	710	7,094	13,382
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,698	10,837	21,626
Electric power generation - All other	<1	38	-4	13
Electric power transmission and distribution	1	223,408	816,765	1,832,343
Natural gas distribution	<1	88,186	339,476	755,606
Water, sewage and other systems	<1	23,477	49,884	79,852
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	225,602	295,519	746,171
Maintenance and repair construction of residential structures	1	88,580	116,219	276,941
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	104	137	349
Dog and cat food manufacturing	<1	17,728	47,516	175,491
Other animal food manufacturing	<1	13,129	24,853	210,108
Flour milling	<1	2,749	5,910	37,048

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,194	7,718	70,541
Fats and oils refining and blending	<1	986	2,692	15,461
Breakfast cereal manufacturing	<1	11,500	28,537	70,886
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	706	2,143	8,212
Nonchocolate confectionery manufacturing	<1	8,711	12,425	47,672
Chocolate and confectionery manufacturing from cacao beans	<1	12,074	18,642	83,185
Confectionery manufacturing from purchased chocolate	<1	17,095	25,843	109,755
Frozen fruits, juices and vegetables manufacturing	<1	1,767	3,895	16,381
Frozen specialties manufacturing	<1	5,657	7,781	33,871
Canned fruits and vegetables manufacturing	<1	14,089	28,373	108,562
Canned specialties	<1	3,664	8,821	36,384
Dehydrated food products manufacturing	<1	360	673	2,450
Cheese manufacturing	<1	9,507	13,465	125,810
Dry, condensed, and evaporated dairy product manufacturing	<1	1,712	4,209	23,204
Fluid milk manufacturing	<1	12,431	20,846	131,832
Creamery butter manufacturing	<1	1,059	3,669	21,009
Ice cream and frozen dessert manufacturing	<1	4,768	6,987	28,333
Frozen cakes and other pastries manufacturing	<1	14,455	20,609	38,557
Poultry processing	<1	28,583	36,522	153,171
Animal, except poultry, slaughtering	<1	38,734	47,387	367,512
Meat processed from carcasses	<1	43,608	41,793	325,255
Rendering and meat byproduct processing	<1	2,065	2,128	13,153
Seafood product preparation and packaging	<1	670	957	5,421
Bread and bakery product, except frozen, manufacturing	<1	39,349	57,281	140,987
Cookie and cracker manufacturing	<1	14,344	21,610	79,399
Dry pasta, mixes, and dough manufacturing	<1	4,843	11,577	44,653
Tortilla manufacturing	<1	253	337	1,238

## Appendix

Roasted nuts and peanut butter manufacturing	<1	2,372	4,771	17,746
Other snack food manufacturing	<1	17,606	50,469	170,212
Coffee and tea manufacturing	<1	3,130	5,973	29,089
Flavoring syrup and concentrate manufacturing	<1	5,298	43,179	82,240
Mayonnaise, dressing, and sauce manufacturing	<1	3,350	6,437	28,175
Spice and extract manufacturing	<1	2,372	4,050	17,973
All other food manufacturing	<1	10,492	15,157	75,354
Bottled and canned soft drinks & water	<1	18,100	32,593	139,942
Manufactured ice	<1	1,511	1,063	4,539
Breweries	<1	14,041	27,885	85,206
Wineries	<1	7,296	13,402	76,491
Distilleries	<1	3,627	15,375	49,756
Tobacco product manufacturing	<1	4,334	120,711	205,266
Fiber, yarn, and thread mills	<1	1,227	1,250	8,011
Broadwoven fabric mills	<1	2,023	1,951	8,575
Narrow fabric mills and schiffli machine embroidery	<1	1,654	1,671	4,920
Nonwoven fabric mills	<1	11,652	8,911	60,512
Knit fabric mills	<1	1,397	1,302	4,950
Textile and fabric finishing mills	<1	835	786	4,099
Fabric coating mills	<1	1,462	1,404	6,280
Carpet and rug mills	<1	2,513	2,348	11,933
Curtain and linen mills	<1	2,143	2,045	7,917
Textile bag and canvas mills	<1	2,515	2,408	8,587
Rope, cordage, twine, tire cord and tire fabric mills	<1	642	638	1,957
Other textile product mills	<1	3,140	3,066	9,813
Hosiery and sock mills	<1	366	414	962
Other apparel knitting mills	<1	329	398	947
Cut and sew apparel contractors	<1	2,813	2,960	5,319
Men's and boys' cut and sew apparel manufacturing	<1	1,388	1,447	4,354
Women's and girls' cut and sew apparel manufacturing	<1	1,457	1,451	7,622
Other cut and sew apparel manufacturing	<1	750	798	2,919
Apparel accessories and other apparel manufacturing	<1	2,412	2,365	6,965
Leather and hide tanning and finishing	<1	268	293	1,531
Footwear manufacturing	<1	1,041	1,078	3,383
Other leather and allied product manufacturing	<1	412	420	1,431

## Appendix

Sawmills	<1	11,777	15,803	80,365
Wood preservation	<1	895	1,548	8,743
Veneer and plywood manufacturing	<1	2,032	2,613	11,635
Engineered wood member and truss manufacturing	<1	4,102	5,045	16,898
Reconstituted wood product manufacturing	<1	2,019	3,710	20,342
Wood windows and door manufacturing	<1	19,607	21,677	68,641
Cut stock, resawing lumber, and planing	<1	2,057	2,876	11,652
Other millwork, including flooring	<1	6,965	8,364	27,416
Wood container and pallet manufacturing	<1	10,619	11,763	36,421
Manufactured home (mobile home) manufacturing	<1	9	10	30
Prefabricated wood building manufacturing	<1	1,620	1,997	7,151
All other miscellaneous wood product manufacturing	<1	7,535	8,151	26,902
Pulp mills	<1	47	66	202
Paper mills	<1	26,514	50,192	159,480
Paperboard mills	<1	1,708	3,200	9,467
Paperboard container manufacturing	<1	37,357	56,903	237,918
Paper bag and coated and treated paper manufacturing	<1	23,060	33,934	106,002
Stationery product manufacturing	<1	5,007	6,185	24,220
Sanitary paper product manufacturing	<1	33,002	88,813	283,954
All other converted paper product manufacturing	<1	8,275	13,402	46,938
Printing	2	135,821	241,898	427,455
Support activities for printing	<1	5,048	8,817	12,552
Petroleum refineries	<1	27,206	232,617	958,024
Asphalt paving mixture and block manufacturing	<1	2,809	4,191	15,773
Asphalt shingle and coating materials manufacturing	<1	2,832	10,210	21,360
Petroleum lubricating oil and grease manufacturing	<1	15,642	43,141	98,984
All other petroleum and coal products manufacturing	<1	8,539	26,442	63,592
Petrochemical manufacturing	<1	3,092	37,963	92,713
Industrial gas manufacturing	<1	12,576	36,970	99,264

## Appendix

Synthetic dye and pigment manufacturing	<1	8,239	16,153	39,409
Other basic inorganic chemical manufacturing	<1	7,065	15,030	37,636
Other basic organic chemical manufacturing	<1	7,967	19,528	122,316
Plastics material and resin manufacturing	<1	14,444	25,589	132,192
Synthetic rubber manufacturing	<1	843	1,159	3,776
Artificial and synthetic fibers and filaments manufacturing	<1	1,540	2,175	9,668
Nitrogenous fertilizer manufacturing	<1	2,449	8,241	20,822
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1,658	3,361	9,806
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	4,018	5,935	17,314
Pharmaceutical preparation manufacturing	<1	267,329	615,590	1,200,519
In-vitro diagnostic substance manufacturing	<1	4,510	5,773	13,204
Biological product (except diagnostic) manufacturing	<1	50,230	123,040	235,384
Paint and coating manufacturing	<1	7,060	13,645	45,385
Adhesive manufacturing	<1	4,186	6,500	22,456
Soap and other detergent manufacturing	<1	14,500	35,957	102,600
Polish and other sanitation good manufacturing	<1	17,073	26,692	65,697
Surface active agent manufacturing	<1	666	2,418	6,033
Toilet preparation manufacturing	<1	14,826	40,410	117,751
Printing ink manufacturing	<1	1,172	1,235	3,662
Explosives manufacturing	<1	281	325	1,125
Custom compounding of purchased resins	<1	5,208	9,388	27,268
Photographic film and chemical manufacturing	<1	15,157	32,013	68,674
Other miscellaneous chemical product manufacturing	<1	19,332	29,076	98,648
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	20,575	32,289	118,440
Unlaminated plastics profile shape manufacturing	<1	7,331	15,867	46,768
Plastics pipe and pipe fitting manufacturing	<1	2,784	7,516	26,342

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,044	8,230	23,515
Polystyrene foam product manufacturing	<1	12,836	22,332	77,174
Urethane and other foam product (except polystyrene) manufacturing	<1	5,656	9,475	35,781
Plastics bottle manufacturing	<1	5,870	8,950	39,210
Other plastics product manufacturing	1	74,029	110,006	353,912
Tire manufacturing	<1	12,842	16,977	72,345
Rubber and plastics hoses and belting manufacturing	<1	1,364	2,130	7,710
Other rubber product manufacturing	<1	34,338	42,753	122,034
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,803	2,931	6,097
Brick, tile, and other structural clay product manufacturing	<1	3,079	5,168	11,776
Flat glass manufacturing	<1	1,814	3,580	7,837
Other pressed and blown glass and glassware manufacturing	<1	10,599	18,026	40,922
Glass container manufacturing	<1	1,908	3,150	7,482
Glass product manufacturing made of purchased glass	<1	6,817	12,287	32,566
Cement manufacturing	<1	3,227	7,283	19,724
Ready-mix concrete manufacturing	<1	11,713	18,976	63,808
Concrete block and brick manufacturing	<1	4,372	7,678	20,574
Concrete pipe manufacturing	<1	62	103	265
Other concrete product manufacturing	<1	7,288	10,757	27,400
Lime manufacturing	<1	713	1,487	4,427
Gypsum product manufacturing	<1	3,026	8,654	23,562
Abrasive product manufacturing	<1	1,123	2,442	4,345
Cut stone and stone product manufacturing	<1	5,479	7,145	16,303
Ground or treated mineral and earth manufacturing	<1	3,432	7,703	14,459
Mineral wool manufacturing	<1	2,425	6,291	15,061
Miscellaneous nonmetallic mineral products manufacturing	<1	562	1,253	2,848
Iron and steel mills and ferroalloy manufacturing	<1	27,571	67,220	374,272
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,590	7,516	34,432



## Appendix

Rolled steel shape manufacturing	<1	2,846	9,232	40,625
Steel wire drawing	<1	2,720	5,156	22,652
Alumina refining and primary aluminum production	<1	801	1,307	7,863
Secondary smelting and alloying of aluminum	<1	187	356	3,112
Aluminum sheet, plate, and foil manufacturing	<1	6,580	13,650	51,238
Other aluminum rolling, drawing and extruding	<1	3,880	5,445	24,829
Nonferrous metal (exc aluminum) smelting and refining	<1	945	5,206	18,045
Copper rolling, drawing, extruding and alloying	<1	10,633	20,887	172,861
Nonferrous metal, except copper and aluminum, shaping	<1	3,968	4,750	16,348
Secondary processing of other nonferrous metals	<1	382	717	3,403
Ferrous metal foundries	<1	7,101	11,596	28,478
Nonferrous metal foundries	<1	6,104	7,967	20,318
Custom roll forming	<1	182	238	1,743
Crown and closure manufacturing and metal stamping	<1	11,531	13,826	44,270
Iron and steel forging	<1	4,868	6,081	24,596
Nonferrous forging	<1	1,373	1,627	6,800
Cutlery, utensil, pot, and pan manufacturing	<1	2,244	3,656	15,837
Handtool manufacturing	<1	4,927	6,909	19,042
Prefabricated metal buildings and components manufacturing	<1	3,657	4,607	16,864
Fabricated structural metal manufacturing	<1	11,220	14,786	57,339
Plate work manufacturing	<1	6,311	6,930	21,372
Metal window and door manufacturing	<1	12,475	15,651	49,440
Sheet metal work manufacturing	<1	14,201	17,269	53,138
Ornamental and architectural metal work manufacturing	<1	9,797	11,016	29,766
Power boiler and heat exchanger manufacturing	<1	603	751	2,431
Metal tank (heavy gauge) manufacturing	<1	1,736	1,997	6,307
Metal cans manufacturing	<1	4,719	7,245	44,997
Metal barrels, drums and pails manufacturing	<1	759	917	4,249
Hardware manufacturing	<1	2,129	2,757	10,255
Spring and wire product manufacturing	<1	5,705	6,836	22,601

## Appendix

Machine shops	<1	50,596	56,425	126,240
Turned product and screw, nut, and bolt manufacturing	<1	8,671	10,197	27,540
Metal heat treating	<1	2,363	2,861	8,242
Metal coating and nonprecious engraving	<1	5,914	8,670	25,629
Electroplating, anodizing, and coloring metal	<1	5,860	6,222	14,241
Valve and fittings, other than plumbing, manufacturing	<1	4,252	5,583	19,346
Plumbing fixture fitting and trim manufacturing	<1	94	166	737
Ball and roller bearing manufacturing	<1	3,061	4,246	10,372
Small arms ammunition manufacturing	<1	2,267	4,150	12,301
Ammunition, except for small arms, manufacturing	<1	491	540	1,340
Small arms, ordnance, and accessories manufacturing	<1	7,821	12,904	42,450
Fabricated pipe and pipe fitting manufacturing	<1	1,943	2,240	6,864
Other fabricated metal manufacturing	<1	14,986	17,972	53,896
Farm machinery and equipment manufacturing	<1	929	1,818	7,289
Lawn and garden equipment manufacturing	<1	185	332	1,424
Construction machinery manufacturing	<1	1,049	2,543	7,361
Mining machinery and equipment manufacturing	<1	164	233	611
Oil and gas field machinery and equipment manufacturing	<1	112	142	443
Semiconductor machinery manufacturing	<1	293	351	1,123
Food product machinery manufacturing	<1	37	42	119
Sawmill, woodworking, and paper machinery	<1	318	361	1,042
Printing machinery and equipment manufacturing	<1	83	92	303
All other industrial machinery manufacturing	<1	387	488	1,386
Optical instrument and lens manufacturing	<1	947	1,336	3,175
Photographic and photocopying equipment manufacturing	<1	60	73	207
Other commercial service industry machinery manufacturing	<1	844	1,358	3,789

## Appendix

Air purification and ventilation equipment manufacturing	<1	3,654	4,903	14,084
Heating equipment (except warm air furnaces) manufacturing	<1	1,838	2,882	8,332
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5,610	9,374	28,640
Industrial mold manufacturing	<1	827	994	2,118
Special tool, die, jig, and fixture manufacturing	<1	1,637	2,127	4,096
Cutting tool and machine tool accessory manufacturing	<1	1,267	1,471	3,730
Machine tool manufacturing	<1	181	233	728
Rolling mill and other metalworking machinery manufacturing	<1	679	906	2,083
Turbine and turbine generator set units manufacturing	<1	117	128	398
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,016	1,381	3,004
Mechanical power transmission equipment manufacturing	<1	2,930	4,112	10,393
Other engine equipment manufacturing	<1	2,626	5,650	19,168
Pump and pumping equipment manufacturing	<1	594	976	2,691
Air and gas compressor manufacturing	<1	330	438	1,223
Elevator and moving stairway manufacturing	<1	88	112	338
Conveyor and conveying equipment manufacturing	<1	334	379	1,031
Overhead cranes, hoists, and monorail systems manufacturing	<1	123	223	738
Industrial truck, trailer, and stacker manufacturing	<1	387	627	1,918
Power-driven handtool manufacturing	<1	386	982	2,474
Welding and soldering equipment manufacturing	<1	186	268	785
Packaging machinery manufacturing	<1	409	592	1,642
Industrial process furnace and oven manufacturing	<1	187	223	518
Fluid power cylinder and actuator manufacturing	<1	706	994	2,683
Fluid power pump and motor manufacturing	<1	155	246	743

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	351	425	1,106
Electronic computer manufacturing	<1	57	77	388
Computer storage device manufacturing	<1	3	5	41
Computer terminals and other computer peripheral equipment manufacturing	<1	1,400	1,917	6,755
Telephone apparatus manufacturing	<1	846	1,340	4,866
Broadcast and wireless communications equipment manufacturing	<1	88	112	364
Other communications equipment manufacturing	<1	1,926	2,855	8,173
Audio and video equipment manufacturing	<1	188	298	2,173
Printed circuit assembly (electronic assembly) manufacturing	<1	5,462	7,920	39,570
Bare printed circuit board manufacturing	<1	630	760	2,451
Semiconductor and related device manufacturing	<1	2,526	3,699	14,922
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,275	2,755	9,019
Electronic connector manufacturing	<1	29,545	37,225	109,998
Other electronic component manufacturing	<1	7,426	8,815	29,020
Electromedical and electrotherapeutic apparatus manufacturing	<1	736	1,075	3,548
Search, detection, and navigation instruments manufacturing	<1	61	87	269
Automatic environmental control manufacturing	<1	980	1,245	3,591
Industrial process variable instruments manufacturing	<1	1,179	1,563	4,269
Totalizing fluid meter and counting device manufacturing	<1	2,335	4,342	11,576
Electricity and signal testing instruments manufacturing	<1	543	646	2,031
Analytical laboratory instrument manufacturing	<1	100,399	151,881	393,260
Irradiation apparatus manufacturing	<1	22	36	127

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	418	551	2,105
Blank magnetic and optical recording media manufacturing	<1	37	107	930
Software and other prerecorded and record reproducing	<1	51	70	317
Electric lamp bulb and part manufacturing	<1	1,443	2,038	4,684
Lighting fixture manufacturing	<1	5,063	6,133	20,843
Small electrical appliance manufacturing	<1	2,246	3,859	16,031
Household cooking appliance manufacturing	<1	70	136	625
Household refrigerator and home freezer manufacturing	<1	85	155	653
Household laundry equipment manufacturing	<1	265	389	1,966
Other major household appliance manufacturing	<1	33	71	273
Power, distribution, and specialty transformer manufacturing	<1	197	241	676
Motor and generator manufacturing	<1	460	706	2,832
Switchgear and switchboard apparatus manufacturing	<1	3,780	5,605	16,455
Relay and industrial control manufacturing	<1	9,359	11,153	28,280
Storage battery manufacturing	<1	32,288	44,701	154,163
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	996	1,297	5,969
Other communication and energy wire manufacturing	<1	1,388	2,100	10,408
Wiring device manufacturing	<1	14,324	23,854	57,154
Carbon and graphite product manufacturing	<1	10,402	13,756	52,476
All other miscellaneous electrical equipment and component manufacturing	2	190,847	213,799	590,856
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	129	254	1,258
Motor vehicle body manufacturing	<1	869	1,134	4,452
Truck trailer manufacturing	<1	67	85	356
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	5,826	6,919	32,925

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	602	923	3,986
Motor vehicle electrical and electronic equipment manufacturing	<1	9,099	12,119	59,967
Motor vehicle transmission and power train parts manufacturing	<1	10,620	14,781	62,359
Motor vehicle seating and interior trim manufacturing	<1	497	592	3,040
Motor vehicle metal stamping	<1	1,117	1,414	5,323
Other motor vehicle parts manufacturing	<1	12,830	16,914	71,308
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	10,830	15,783	63,329
Aircraft manufacturing	<1	152	201	511
Aircraft engine and engine parts manufacturing	<1	465	868	2,641
Other aircraft parts and auxiliary equipment manufacturing	<1	417	518	1,232
Guided missile and space vehicle manufacturing	<1	145	203	401
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	216	270	476
Railroad rolling stock manufacturing	<1	478	494	1,742
Ship building and repairing	<1	307	368	876
Boat building	<1	24	32	143
Motorcycle, bicycle, and parts manufacturing	<1	4,320	8,722	25,909
Military armored vehicle, tank, and tank component manufacturing	<1	95,811	142,254	438,343
All other transportation equipment manufacturing	<1	1,089	1,720	8,536
Wood kitchen cabinet and countertop manufacturing	<1	13,262	14,364	38,591
Upholstered household furniture manufacturing	<1	6,673	7,038	23,857
Nonupholstered wood household furniture manufacturing	<1	2,713	2,863	8,820
Other household nonupholstered furniture manufacturing	<1	2,109	2,651	11,189
Institutional furniture manufacturing	<1	247	251	797
Wood office furniture manufacturing	<1	37	39	123

## Appendix

Custom architectural woodwork and millwork	<1	296	277	779
Office furniture, except wood, manufacturing	<1	466	511	1,942
Showcase, partition, shelving, and locker manufacturing	<1	1,934	2,099	6,099
Mattress manufacturing	<1	1,557	2,006	10,674
Blind and shade manufacturing	<1	179	179	612
Surgical and medical instrument manufacturing	<1	8,276	11,566	23,348
Surgical appliance and supplies manufacturing	<1	11,738	20,012	47,094
Dental equipment and supplies manufacturing	<1	282	425	1,052
Ophthalmic goods manufacturing	<1	1,869	3,168	7,232
Dental laboratories	<1	2,422	2,679	5,043
Jewelry and silverware manufacturing	<1	2,381	3,985	11,325
Sporting and athletic goods manufacturing	<1	3,842	5,171	16,706
Doll, toy, and game manufacturing	<1	2,191	3,651	10,551
Office supplies (except paper) manufacturing	<1	8,297	11,702	27,731
Sign manufacturing	<1	7,232	6,827	15,608
Gasket, packing, and sealing device manufacturing	<1	3,460	3,806	7,990
Musical instrument manufacturing	<1	2,152	2,369	4,807
Fasteners, buttons, needles, and pins manufacturing	<1	522	590	1,205
Broom, brush, and mop manufacturing	<1	5,075	7,251	17,585
Burial casket manufacturing	<1	1,540	2,198	4,226
All other miscellaneous manufacturing	<1	45,524	58,466	153,466
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	58,588	131,091	327,538
Wholesale - Professional and commercial equipment and supplies	2	186,270	293,864	540,206
Wholesale - Household appliances and electrical and electronic goods	<1	95,255	224,842	513,855
Wholesale - Machinery, equipment, and supplies	1	119,974	225,407	421,353
Wholesale - Other durable goods merchant wholesalers	2	182,832	333,739	698,811

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	153,200	363,606	734,038
Wholesale - Grocery and related product wholesalers	2	161,285	240,058	492,399
Wholesale - Petroleum and petroleum products	<1	19,786	430,664	495,028
Wholesale - Other nondurable goods merchant wholesalers	2	227,899	549,887	1,017,810
Wholesale - Wholesale electronic markets and agents and brokers	1	247,863	278,450	318,529
Retail - Motor vehicle and parts dealers	3	220,844	300,586	433,095
Retail - Furniture and home furnishings stores	2	107,331	137,774	232,480
Retail - Electronics and appliance stores	2	105,780	97,501	166,033
Retail - Building material and garden equipment and supplies stores	2	125,155	229,841	332,973
Retail - Food and beverage stores	11	401,568	554,305	932,245
Retail - Health and personal care stores	4	245,355	304,181	444,098
Retail - Gasoline stores	3	102,425	223,920	447,327
Retail - Clothing and clothing accessories stores	3	126,643	198,492	418,327
Retail - Sporting goods, hobby, musical instrument and book stores	3	96,740	121,382	204,709
Retail - General merchandise stores	7	275,039	420,173	711,482
Retail - Miscellaneous store retailers	7	236,103	233,505	387,276
Retail - Nonstore retailers	7	234,563	1,098,930	1,748,098
Air transportation	1	139,082	285,982	569,096
Rail transportation	<1	51,774	97,862	224,084
Water transportation	<1	16,425	32,941	132,381
Truck transportation	6	510,744	706,676	1,396,768
Transit and ground passenger transportation	7	207,247	240,381	350,329
Pipeline transportation	<1	235,101	224,658	234,196
Scenic and sightseeing transportation and support activities for transportation	4	331,956	262,371	422,789
Couriers and messengers	8	229,228	394,504	492,677
Warehousing and storage	6	345,031	363,997	649,252
Newspaper publishers	<1	48,267	80,252	115,967
Periodical publishers	<1	56,219	84,875	134,497
Book publishers	<1	39,430	102,082	205,806



## Appendix

Directory, mailing list, and other publishers	<1	22,230	50,358	85,523
Greeting card publishing	<1	289	899	1,269
Software publishers	4	862,935	1,650,455	2,120,192
Motion picture and video industries	<1	68,885	108,562	249,642
Sound recording industries	<1	7,130	45,325	84,802
Radio and television broadcasting	<1	1,223,601	1,274,548	1,409,693
Cable and other subscription programming	<1	218,757	395,849	582,888
Wired telecommunications carriers	1	210,531	591,431	874,427
Wireless telecommunications carriers (except satellite)	<1	34,238	418,121	697,455
Satellite, telecommunications resellers, and all other telecommunications	<1	14,703	19,881	42,475
Data processing, hosting, and related services	2	301,314	556,388	1,562,329
News syndicates, libraries, archives and all other information services	<1	43,503	62,596	207,818
Internet publishing and broadcasting and web search portals	<1	246,112	544,517	1,524,637
Nondepository credit intermediation and related activities	2	293,251	318,119	463,965
Securities and commodity contracts intermediation and brokerage	4	481,552	430,247	659,186
Monetary authorities and depository credit intermediation	9	1,010,107	2,797,354	4,306,843
Other financial investment activities	10	904,165	1,091,467	2,136,298
Direct life insurance carriers	1	191,106	341,505	471,275
Insurance carriers, except direct life	6	662,893	1,726,073	3,636,401
Insurance agencies, brokerages, and related activities	5	517,603	758,989	1,740,763
Funds, trusts, and other financial vehicles	2	87,431	83,592	476,171
Other real estate	46	1,397,350	4,624,799	10,400,675
Tenant-occupied housing	4	104,587	1,050,988	1,145,794
Owner-occupied dwellings	0	0	5,264,150	6,352,957
Automotive equipment rental and leasing	<1	77,136	258,337	323,573

## Appendix

General and consumer goods rental except video tapes and discs	<1	52,726	90,354	135,008
Video tape and disc rental	<1	17,323	27,555	46,536
Commercial and industrial machinery and equipment rental and leasing	<1	85,061	242,380	300,604
Lessors of nonfinancial intangible assets	<1	12,188	352,196	375,195
Legal services	14	1,775,618	3,107,493	4,047,360
Accounting, tax preparation, bookkeeping, and payroll services	6	614,754	724,138	1,087,040
Architectural, engineering, and related services	8	793,059	850,977	1,486,218
Specialized design services	<1	46,835	68,626	125,136
Custom computer programming services	2	245,752	250,509	339,846
Computer systems design services	3	348,840	321,735	402,031
Other computer related services, including facilities management	2	178,551	226,527	424,682
Management consulting services	18	2,323,549	2,380,577	3,477,281
Environmental and other technical consulting services	3	305,755	330,851	511,620
Scientific research and development services	304	38,557,516	47,649,404	84,388,411
Advertising, public relations, and related services	5	510,871	682,280	1,449,366
Photographic services	<1	14,791	31,519	72,341
Veterinary services	<1	59,986	65,255	100,126
Marketing research and all other miscellaneous professional, scientific, and technical services	9	983,651	1,405,882	2,878,440
Management of companies and enterprises	21	3,553,999	4,055,436	5,962,100
Office administrative services	1	127,213	26,604	95,438
Facilities support services	1	54,903	67,862	180,210
Employment services	33	2,085,978	2,593,922	4,168,260
Business support services	4	257,734	209,570	355,388
Travel arrangement and reservation services	1	76,686	105,521	358,861
Investigation and security services	4	213,388	219,448	309,041
Services to buildings	6	269,294	348,903	727,587
Landscape and horticultural services	4	220,705	258,662	468,563
Other support services	2	115,782	139,248	298,133
Waste management and remediation services	2	154,220	245,283	495,524

## Appendix

Elementary and secondary schools	5	283,832	212,093	256,473
Junior colleges, colleges, universities, and professional schools	26	1,768,494	2,124,536	2,725,665
Other educational services	3	178,626	195,066	349,547
Offices of physicians	13	1,713,477	1,723,367	2,355,603
Offices of dentists	3	235,880	286,982	385,664
Offices of other health practitioners	4	253,511	397,798	499,300
Outpatient care centers	5	374,392	369,577	573,748
Medical and diagnostic laboratories	1	104,515	175,502	231,370
Home health care services	8	456,549	454,205	581,384
Other ambulatory health care services	2	124,875	149,589	229,135
Hospitals	31	3,007,177	3,484,559	6,408,229
Nursing and community care facilities	8	445,571	465,894	737,663
Residential mental retardation, mental health, substance abuse and other facilities	5	310,091	317,216	443,203
Individual and family services	19	860,883	770,294	1,002,104
Child day care services	5	193,569	326,416	411,142
Community food, housing, and other relief services, including rehabilitation services	3	142,482	133,789	263,602
Performing arts companies	1	48,136	87,650	140,279
Commercial Sports Except Racing	3	175,837	153,905	217,594
Racing and Track Operation	<1	17,367	24,153	38,488
Independent artists, writers, and performers	<1	28,239	88,988	117,487
Promoters of performing arts and sports and agents for public figures	1	41,898	116,878	214,314
Museums, historical sites, zoos, and parks	<1	32,072	40,661	68,654
Amusement parks and arcades	<1	10,815	20,638	25,976
Gambling industries (except casino hotels)	2	85,537	231,906	313,629
Other amusement and recreation industries	3	86,679	64,579	105,598
Fitness and recreational sports centers	2	37,131	48,352	80,459
Bowling centers	<1	6,468	9,441	15,739
Hotels and motels, including casino hotels	3	161,917	268,001	405,982
Other accommodations	1	76,044	92,897	117,047

## Appendix

Full-service restaurants	20	646,076	912,117	1,796,170
Limited-service restaurants	14	411,701	616,719	1,442,766
All other food and drinking places	14	532,983	701,186	1,121,039
Automotive repair and maintenance, except car washes	7	475,503	504,585	719,923
Car washes	3	201,598	283,934	418,806
Electronic and precision equipment repair and maintenance	2	154,028	177,212	281,920
Commercial and industrial machinery and equipment repair and maintenance	2	225,451	228,100	333,517
Personal and household goods repair and maintenance	<1	52,755	93,983	131,088
Personal care services	7	202,230	88,888	123,493
Death care services	1	49,114	26,767	41,087
Dry-cleaning and laundry services	2	64,837	30,958	44,055
Other personal services	3	93,635	118,201	171,863
Religious organizations	14	759,193	339,535	1,192,658
Grantmaking, giving, and social advocacy organizations	2	151,116	413,344	590,332
Business and professional associations	1	117,846	175,022	277,755
Labor and civic organizations	4	123,431	326,634	620,740
Private households	3	51,132	51,132	51,132
Postal service	2	232,833	234,201	234,285
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	5,957	11,657	21,225
State government passenger transit	6	739,521	47,416	323,633
State government electric utilities	0	0	0	0
Other state government enterprises	1	190,814	223,300	415,515
Local government passenger transit	<1	47,832	2,869	17,748
Local government electric utilities	<1	152	388	894
Other local government enterprises	2	241,429	363,879	900,077
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	11	1,764,557	2,602,800	2,964,261

## Investments in Climate Change Research and Technology

**Table 741: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>324</i>	<i>43,503,740</i>	<i>62,559,635</i>	<i>75,803,601</i>
Oilseed farming	<1	11,159	35,453	25,941
Grain farming	<1	21,433	57,965	83,239
Vegetable and melon farming	<1	3,937	7,907	7,730
Fruit farming	<1	3,315	6,233	4,716
Tree nut farming	<1	12	24	19
Greenhouse, nursery, and floriculture production	<1	8,354	17,219	24,047
Tobacco farming	<1	2,302	3,655	3,838
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5,533	10,261	10,986
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	10,392	25,771	33,321
Dairy cattle and milk production	<1	10,959	25,403	64,731
Poultry and egg production	<1	6,535	17,226	93,937
Animal production, except cattle and poultry and eggs	<1	31,173	76,058	62,769
Forestry, forest products, and timber tract production	<1	4,685	5,081	2,766

## Appendix

Commercial logging	<1	10,166	10,734	11,955
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	85	934	948
Support activities for agriculture and forestry	<1	35,311	36,522	31,960
Oil and gas extraction	<1	38,603	365,026	336,390
Coal mining	<1	19,809	55,940	58,508
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	2,246	4,610	6,168
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	6,712	27,234	22,334
Sand and gravel mining	<1	2,264	4,044	3,870
Other clay, ceramic, refractory minerals mining	<1	413	785	272
Potash, soda, and borate mineral mining	<1	44	66	101
Phosphate rock mining	<1	18	34	52
Other chemical and fertilizer mineral mining	<1	9	14	20
Other nonmetallic minerals	<1	96	176	279
Drilling oil and gas wells	<1	9	66	66
Support activities for oil and gas operations	<1	344	849	978
Metal mining services	<1	782	9,872	11,534
Other nonmetallic minerals services	<1	80	644	628
Electric power generation - Hydroelectric	<1	962	2,573	3,339
Electric power generation - Fossil fuel	<1	24,720	107,019	158,038
Electric power generation - Nuclear	<1	39,646	92,394	123,894
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	599	6,416	8,303
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,374	3,925	4,908
Electric power generation - All other	<1	16	-5	5
Electric power transmission and distribution	<1	105,831	419,904	619,452

Appendix

Natural gas distribution	<1	38,189	149,801	237,489
Water, sewage and other systems	<1	13,408	29,920	35,952
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	3	204,858	209,218	417,744
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	103,944	132,700	244,273
Maintenance and repair construction of residential structures	<1	45,440	58,353	93,036
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	56	72	126
Dog and cat food manufacturing	<1	11,855	30,352	77,118
Other animal food manufacturing	<1	7,393	13,173	81,487
Flour milling	<1	2,025	4,256	17,455
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	667	4,129	24,261
Fats and oils refining and blending	<1	663	1,735	5,297
Breakfast cereal manufacturing	<1	5,589	13,641	25,159
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	340	926	2,619
Nonchocolate confectionery manufacturing	<1	5,036	7,130	18,862

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	5,279	8,032	24,908
Confectionery manufacturing from purchased chocolate	<1	9,509	13,727	40,067
Frozen fruits, juices and vegetables manufacturing	<1	987	2,037	6,190
Frozen specialties manufacturing	<1	3,496	4,805	13,745
Canned fruits and vegetables manufacturing	<1	7,031	13,568	35,721
Canned specialties	<1	2,128	4,952	13,387
Dehydrated food products manufacturing	<1	192	355	872
Cheese manufacturing	<1	5,023	7,049	41,653
Dry, condensed, and evaporated dairy product manufacturing	<1	878	2,116	8,048
Fluid milk manufacturing	<1	6,252	9,942	43,533
Creamery butter manufacturing	<1	637	2,200	8,435
Ice cream and frozen dessert manufacturing	<1	2,594	3,688	10,876
Frozen cakes and other pastries manufacturing	<1	8,414	12,043	15,268
Poultry processing	<1	23,607	28,687	77,288
Animal, except poultry, slaughtering	<1	28,457	34,003	179,087
Meat processed from carcasses	<1	22,516	21,387	110,841
Rendering and meat byproduct processing	<1	1,394	1,418	5,106
Seafood product preparation and packaging	<1	409	560	2,431
Bread and bakery product, except frozen, manufacturing	<1	22,735	32,735	54,432
Cookie and cracker manufacturing	<1	6,080	8,534	23,621
Dry pasta, mixes, and dough manufacturing	<1	2,711	6,307	15,516
Tortilla manufacturing	<1	175	234	568
Roasted nuts and peanut butter manufacturing	<1	1,270	2,436	6,177
Other snack food manufacturing	<1	10,341	28,678	66,049
Coffee and tea manufacturing	<1	1,963	3,553	12,219
Flavoring syrup and concentrate manufacturing	<1	2,462	18,573	28,003
Mayonnaise, dressing, and sauce manufacturing	<1	1,968	3,813	11,208
Spice and extract manufacturing	<1	1,071	1,734	5,375
All other food manufacturing	<1	5,804	8,257	26,895
Bottled and canned soft drinks & water	<1	11,531	20,066	56,317
Manufactured ice	<1	817	552	1,677



## Appendix

Breweries	<1	8,151	15,188	32,803
Wineries	<1	3,479	6,137	22,645
Distilleries	<1	2,365	8,694	19,378
Tobacco product manufacturing	<1	2,324	45,753	55,970
Fiber, yarn, and thread mills	<1	1,033	1,007	3,085
Broadwoven fabric mills	<1	2,588	2,372	3,837
Narrow fabric mills and schiffli machine embroidery	<1	990	981	2,876
Nonwoven fabric mills	<1	3,364	2,439	11,452
Knit fabric mills	<1	604	558	1,086
Textile and fabric finishing mills	<1	9,605	9,135	1,961
Fabric coating mills	<1	508	493	1,623
Carpet and rug mills	<1	1,631	1,446	5,253
Curtain and linen mills	<1	1,182	1,092	2,909
Textile bag and canvas mills	<1	1,424	1,302	3,326
Rope, cordage, twine, tire cord and tire fabric mills	<1	425	370	942
Other textile product mills	<1	1,944	1,839	3,646
Hosiery and sock mills	<1	219	242	393
Other apparel knitting mills	<1	196	230	406
Cut and sew apparel contractors	<1	1,132	1,188	1,720
Men's and boys' cut and sew apparel manufacturing	<1	680	702	1,394
Women's and girls' cut and sew apparel manufacturing	<1	727	706	2,537
Other cut and sew apparel manufacturing	<1	372	392	1,038
Apparel accessories and other apparel manufacturing	<1	1,247	1,205	2,502
Leather and hide tanning and finishing	<1	173	172	655
Footwear manufacturing	<1	630	641	1,485
Other leather and allied product manufacturing	<1	240	236	554
Sawmills	<1	9,647	13,353	45,693
Wood preservation	<1	896	1,607	5,599
Veneer and plywood manufacturing	<1	1,791	2,348	7,518
Engineered wood member and truss manufacturing	<1	2,658	3,367	8,696
Reconstituted wood product manufacturing	<1	1,926	3,593	14,069
Wood windows and door manufacturing	<1	11,137	12,620	27,872
Cut stock, resawing lumber, and planing	<1	1,318	1,987	5,172

## Appendix

Other millwork, including flooring	<1	3,649	4,613	10,451
Wood container and pallet manufacturing	<1	6,409	7,371	13,337
Manufactured home (mobile home) manufacturing	<1	7	8	19
Prefabricated wood building manufacturing	<1	1,578	2,021	5,817
All other miscellaneous wood product manufacturing	<1	3,253	3,880	9,133
Pulp mills	<1	54	83	154
Paper mills	<1	16,066	38,780	64,030
Paperboard mills	<1	1,735	3,606	5,880
Paperboard container manufacturing	<1	23,699	36,617	97,897
Paper bag and coated and treated paper manufacturing	<1	12,010	19,190	37,581
Stationery product manufacturing	<1	2,461	3,169	8,152
Sanitary paper product manufacturing	<1	22,376	63,388	120,190
All other converted paper product manufacturing	<1	3,886	6,733	14,766
Printing	<1	63,540	108,585	130,428
Support activities for printing	<1	2,717	4,643	3,321
Petroleum refineries	<1	21,299	163,934	444,209
Asphalt paving mixture and block manufacturing	<1	1,765	2,513	7,046
Asphalt shingle and coating materials manufacturing	<1	1,665	5,223	8,434
Petroleum lubricating oil and grease manufacturing	<1	54,574	143,556	34,374
All other petroleum and coal products manufacturing	<1	9,011	27,536	37,985
Petrochemical manufacturing	<1	11,791	115,965	97,569
Industrial gas manufacturing	<1	11,336	29,594	86,474
Synthetic dye and pigment manufacturing	<1	6,063	10,278	12,268
Other basic inorganic chemical manufacturing	<1	5,722	10,580	16,012
Other basic organic chemical manufacturing	<1	10,260	22,273	57,529
Plastics material and resin manufacturing	<1	18,620	28,281	69,518
Synthetic rubber manufacturing	<1	1,215	1,558	2,809
Artificial and synthetic fibers and filaments manufacturing	<1	550	768	2,286
Nitrogenous fertilizer manufacturing	<1	901	2,798	6,238

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	996	1,829	4,143
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	1,830	2,787	5,057
Pharmaceutical preparation manufacturing	<1	134,350	296,627	391,018
In-vitro diagnostic substance manufacturing	<1	1,625	2,221	3,093
Biological product (except diagnostic) manufacturing	<1	13,452	36,554	49,113
Paint and coating manufacturing	<1	5,628	10,042	22,333
Adhesive manufacturing	<1	1,902	2,845	6,072
Soap and other detergent manufacturing	<1	5,853	13,669	30,786
Polish and other sanitation good manufacturing	<1	7,720	11,509	19,815
Surface active agent manufacturing	<1	350	1,233	2,148
Toilet preparation manufacturing	<1	7,605	19,828	38,620
Printing ink manufacturing	<1	677	719	1,123
Explosives manufacturing	<1	611	691	491
Custom compounding of purchased resins	<1	6,699	9,961	9,049
Photographic film and chemical manufacturing	<1	6,531	13,321	18,647
Other miscellaneous chemical product manufacturing	<1	15,952	23,874	63,981
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	11,463	17,954	43,295
Unlaminated plastics profile shape manufacturing	<1	5,400	11,613	17,900
Plastics pipe and pipe fitting manufacturing	<1	7,073	18,949	10,535
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6,490	10,401	10,704
Polystyrene foam product manufacturing	<1	10,849	18,289	29,540
Urethane and other foam product (except polystyrene) manufacturing	<1	3,549	5,812	14,062
Plastics bottle manufacturing	<1	3,699	5,595	13,817
Other plastics product manufacturing	<1	48,482	69,495	131,716
Tire manufacturing	<1	14,013	17,644	23,957

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	1,564	2,398	4,417
Other rubber product manufacturing	<1	16,041	19,818	37,239
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,358	2,179	2,264
Brick, tile, and other structural clay product manufacturing	<1	2,378	4,199	5,353
Flat glass manufacturing	<1	1,167	2,366	3,611
Other pressed and blown glass and glassware manufacturing	<1	4,885	8,205	13,938
Glass container manufacturing	<1	1,240	2,020	3,184
Glass product manufacturing made of purchased glass	<1	3,991	7,461	13,597
Cement manufacturing	<1	3,363	7,948	8,231
Ready-mix concrete manufacturing	<1	11,782	19,860	28,630
Concrete block and brick manufacturing	<1	7,007	12,904	9,073
Concrete pipe manufacturing	<1	165	279	422
Other concrete product manufacturing	<1	8,841	13,543	20,436
Lime manufacturing	<1	580	1,343	2,374
Gypsum product manufacturing	<1	3,008	8,991	8,710
Abrasive product manufacturing	<1	652	1,478	1,796
Cut stone and stone product manufacturing	<1	2,883	3,838	6,130
Ground or treated mineral and earth manufacturing	<1	3,066	7,594	7,298
Mineral wool manufacturing	<1	1,536	4,339	5,949
Miscellaneous nonmetallic mineral products manufacturing	<1	439	1,075	2,101
Iron and steel mills and ferroalloy manufacturing	<1	34,603	85,058	239,365
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,277	9,203	20,658
Rolled steel shape manufacturing	<1	3,265	11,044	23,119
Steel wire drawing	<1	2,649	5,236	9,881
Alumina refining and primary aluminum production	<1	728	1,191	3,599
Secondary smelting and alloying of aluminum	<1	216	425	1,964
Aluminum sheet, plate, and foil manufacturing	<1	6,876	14,307	36,997
Other aluminum rolling, drawing and extruding	<1	2,889	4,202	12,736
Nonferrous metal (exc aluminum) smelting and refining	<1	1,286	9,005	9,959

## Appendix

Copper rolling, drawing, extruding and alloying	<1	11,191	23,412	86,718
Nonferrous metal, except copper and aluminum, shaping	<1	2,357	2,850	6,955
Secondary processing of other nonferrous metals	<1	484	982	1,488
Ferrous metal foundries	<1	11,555	19,283	21,665
Nonferrous metal foundries	<1	4,746	6,340	8,981
Custom roll forming	<1	99	128	489
Crown and closure manufacturing and metal stamping	<1	4,042	4,830	9,753
Iron and steel forging	<1	10,792	13,313	16,594
Nonferrous forging	<1	2,703	3,156	4,215
Cutlery, utensil, pot, and pan manufacturing	<1	978	1,682	4,868
Handtool manufacturing	<1	2,331	3,204	6,287
Prefabricated metal buildings and components manufacturing	<1	4,891	6,459	16,290
Fabricated structural metal manufacturing	<1	12,454	16,201	26,776
Plate work manufacturing	<1	8,047	8,728	10,365
Metal window and door manufacturing	<1	9,105	11,302	17,199
Sheet metal work manufacturing	<1	9,450	11,612	16,176
Ornamental and architectural metal work manufacturing	<1	8,793	9,980	12,258
Power boiler and heat exchanger manufacturing	<1	452	557	971
Metal tank (heavy gauge) manufacturing	<1	1,129	1,283	2,583
Metal cans manufacturing	<1	4,393	6,866	28,026
Metal barrels, drums and pails manufacturing	<1	593	713	1,838
Hardware manufacturing	<1	1,608	2,099	4,212
Spring and wire product manufacturing	<1	12,842	15,385	13,579
Machine shops	<1	64,837	72,531	59,015
Turned product and screw, nut, and bolt manufacturing	<1	6,852	8,060	12,363
Metal heat treating	<1	1,840	2,202	3,648
Metal coating and nonprecious engraving	<1	5,053	7,302	12,854
Electroplating, anodizing, and coloring metal	<1	3,779	4,002	5,638
Valve and fittings, other than plumbing, manufacturing	<1	39,803	53,153	58,845
Plumbing fixture fitting and trim manufacturing	<1	43	78	247

## Appendix

Ball and roller bearing manufacturing	<1	3,003	4,102	3,077
Small arms ammunition manufacturing	<1	1,085	1,950	3,990
Ammunition, except for small arms, manufacturing	<1	384	422	676
Small arms, ordnance, and accessories manufacturing	<1	4,333	7,302	16,428
Fabricated pipe and pipe fitting manufacturing	<1	4,841	5,604	5,142
Other fabricated metal manufacturing	<1	13,369	16,165	34,611
Farm machinery and equipment manufacturing	<1	439	826	3,068
Lawn and garden equipment manufacturing	<1	69	119	395
Construction machinery manufacturing	<1	1,028	2,338	2,099
Mining machinery and equipment manufacturing	<1	210	307	338
Oil and gas field machinery and equipment manufacturing	<1	228	296	303
Semiconductor machinery manufacturing	<1	158	191	391
Food product machinery manufacturing	<1	21	24	44
Sawmill, woodworking, and paper machinery	<1	106	120	290
Printing machinery and equipment manufacturing	<1	59	65	112
All other industrial machinery manufacturing	<1	244	313	540
Optical instrument and lens manufacturing	<1	233	342	1,391
Photographic and photocopying equipment manufacturing	<1	33	41	72
Other commercial service industry machinery manufacturing	<1	548	888	1,811
Air purification and ventilation equipment manufacturing	<1	867	1,126	1,325
Heating equipment (except warm air furnaces) manufacturing	<1	1,294	2,007	3,124
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3,479	6,102	12,561
Industrial mold manufacturing	<1	895	1,084	606
Special tool, die, jig, and fixture manufacturing	<1	873	1,160	1,220

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	717	835	1,246
Machine tool manufacturing	<1	108	137	248
Rolling mill and other metalworking machinery manufacturing	<1	323	434	760
Turbine and turbine generator set units manufacturing	<1	81	88	197
Speed changer, industrial high-speed drive, and gear manufacturing	<1	691	992	931
Mechanical power transmission equipment manufacturing	<1	2,449	3,523	3,514
Other engine equipment manufacturing	<1	2,762	5,728	8,056
Pump and pumping equipment manufacturing	<1	325	548	1,132
Air and gas compressor manufacturing	<1	5,034	6,772	16,781
Elevator and moving stairway manufacturing	<1	60	76	154
Conveyor and conveying equipment manufacturing	<1	243	276	341
Overhead cranes, hoists, and monorail systems manufacturing	<1	166	294	665
Industrial truck, trailer, and stacker manufacturing	<1	225	377	702
Power-driven handtool manufacturing	<1	102	281	440
Welding and soldering equipment manufacturing	<1	70	107	223
Packaging machinery manufacturing	<1	210	307	561
Industrial process furnace and oven manufacturing	<1	96	118	143
Fluid power cylinder and actuator manufacturing	<1	530	766	1,031
Fluid power pump and motor manufacturing	<1	238	383	540
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	230	284	420
Electronic computer manufacturing	<1	25	34	246
Computer storage device manufacturing	<1	2	3	13
Computer terminals and other computer peripheral equipment manufacturing	<1	634	842	1,818
Telephone apparatus manufacturing	<1	876	1,302	3,161

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	73	93	1,713
Other communications equipment manufacturing	<1	1,196	1,726	3,065
Audio and video equipment manufacturing	<1	89	142	683
Printed circuit assembly (electronic assembly) manufacturing	<1	2,595	3,664	10,586
Bare printed circuit board manufacturing	<1	416	482	865
Semiconductor and related device manufacturing	<1	1,630	2,359	5,302
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	653	776	1,687
Electronic connector manufacturing	<1	7,888	9,743	24,397
Other electronic component manufacturing	0	1,476	1,690	-9,098
Electromedical and electrotherapeutic apparatus manufacturing	<1	400	578	1,238
Search, detection, and navigation instruments manufacturing	<1	8,275	12,643	408
Automatic environmental control manufacturing	<1	460	580	677
Industrial process variable instruments manufacturing	<1	981	1,294	25,490
Totalizing fluid meter and counting device manufacturing	<1	1,726	3,005	5,887
Electricity and signal testing instruments manufacturing	<1	238	280	623
Analytical laboratory instrument manufacturing	<1	64,964	97,644	180,049
Irradiation apparatus manufacturing	<1	11	17	37
Watch, clock, and other measuring and controlling device manufacturing	<1	346	457	784
Blank magnetic and optical recording media manufacturing	<1	9	28	169
Software and other prerecorded and record reproducing	<1	17	23	66
Electric lamp bulb and part manufacturing	<1	672	922	1,397
Lighting fixture manufacturing	<1	2,629	3,111	6,843
Small electrical appliance manufacturing	<1	1,070	1,789	4,795



## Appendix

Household cooking appliance manufacturing	<1	32	55	181
Household refrigerator and home freezer manufacturing	<1	39	63	189
Household laundry equipment manufacturing	<1	123	167	583
Other major household appliance manufacturing	<1	16	28	76
Power, distribution, and specialty transformer manufacturing	<1	81	102	180
Motor and generator manufacturing	<1	441	674	1,133
Switchgear and switchboard apparatus manufacturing	<1	2,799	4,178	5,222
Relay and industrial control manufacturing	<1	6,649	7,862	10,593
Storage battery manufacturing	<1	19,956	27,561	45,602
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,319	1,739	1,624
Other communication and energy wire manufacturing	<1	1,976	2,823	3,558
Wiring device manufacturing	<1	9,302	14,448	24,883
Carbon and graphite product manufacturing	<1	8,182	11,112	22,665
All other miscellaneous electrical equipment and component manufacturing	<1	16,306	17,867	18,528
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	81	155	553
Motor vehicle body manufacturing	<1	577	754	1,804
Truck trailer manufacturing	<1	50	64	164
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	4,685	5,706	17,305
Motor vehicle gasoline engine and engine parts manufacturing	<1	352	544	1,467
Motor vehicle electrical and electronic equipment manufacturing	<1	5,772	7,661	27,330
Motor vehicle transmission and power train parts manufacturing	<1	3,482	5,054	15,747
Motor vehicle seating and interior trim manufacturing	<1	441	527	1,603
Motor vehicle metal stamping	<1	724	904	2,524
Other motor vehicle parts manufacturing	<1	8,741	11,958	30,157

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5,443	7,613	20,631
Aircraft manufacturing	<1	26,181	31,846	1,826
Aircraft engine and engine parts manufacturing	<1	9,017	15,426	7,182
Other aircraft parts and auxiliary equipment manufacturing	<1	51,804	63,881	65,882
Guided missile and space vehicle manufacturing	<1	89	116	194
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,793	2,142	393
Railroad rolling stock manufacturing	<1	359	377	931
Ship building and repairing	<1	199	243	458
Boat building	<1	21	28	86
Motorcycle, bicycle, and parts manufacturing	<1	3,385	8,247	14,690
Military armored vehicle, tank, and tank component manufacturing	<1	36,633	57,281	174,813
All other transportation equipment manufacturing	<1	954	1,607	5,305
Wood kitchen cabinet and countertop manufacturing	<1	8,710	9,732	17,799
Upholstered household furniture manufacturing	<1	3,435	3,615	7,799
Nonupholstered wood household furniture manufacturing	<1	1,473	1,563	3,153
Other household nonupholstered furniture manufacturing	<1	1,185	1,522	4,358
Institutional furniture manufacturing	<1	110	114	269
Wood office furniture manufacturing	<1	39	43	112
Custom architectural woodwork and millwork	<1	149	139	280
Office furniture, except wood, manufacturing	<1	250	309	790
Showcase, partition, shelving, and locker manufacturing	<1	1,174	1,336	2,498
Mattress manufacturing	<1	975	1,264	4,341
Blind and shade manufacturing	<1	129	128	276
Surgical and medical instrument manufacturing	<1	4,309	5,973	8,228
Surgical appliance and supplies manufacturing	<1	6,059	10,133	15,738

## Appendix

Dental equipment and supplies manufacturing	<1	1,157	1,782	2,694
Ophthalmic goods manufacturing	<1	1,224	2,018	3,038
Dental laboratories	<1	1,362	1,499	1,831
Jewelry and silverware manufacturing	<1	1,452	2,378	4,408
Sporting and athletic goods manufacturing	<1	2,443	3,277	7,126
Doll, toy, and game manufacturing	<1	1,216	1,944	3,715
Office supplies (except paper) manufacturing	<1	4,753	6,553	11,289
Sign manufacturing	<1	3,665	3,401	5,410
Gasket, packing, and sealing device manufacturing	<1	1,992	2,169	3,721
Musical instrument manufacturing	<1	732	780	1,047
Fasteners, buttons, needles, and pins manufacturing	<1	218	242	320
Broom, brush, and mop manufacturing	<1	1,413	1,839	3,229
Burial casket manufacturing	<1	1,281	1,746	2,453
All other miscellaneous manufacturing	<1	-103,554	86,916	249,938
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	30,847	69,406	106,248
Wholesale - Professional and commercial equipment and supplies	<1	95,820	151,664	197,134
Wholesale - Household appliances and electrical and electronic goods	<1	55,794	133,646	167,077
Wholesale - Machinery, equipment, and supplies	<1	78,366	148,815	156,734
Wholesale - Other durable goods merchant wholesalers	<1	119,187	219,371	268,045
Wholesale - Drugs and druggists'sundries	<1	78,026	189,095	251,239
Wholesale - Grocery and related product wholesalers	<1	89,283	134,472	181,500
Wholesale - Petroleum and petroleum products	<1	14,676	257,749	192,003
Wholesale - Other nondurable goods merchant wholesalers	<1	124,336	291,316	344,979
Wholesale - Wholesale electronic markets and agents and brokers	<1	133,830	151,596	110,575
Retail - Motor vehicle and parts dealers	1	117,056	161,117	151,718
Retail - Furniture and home furnishings stores	<1	56,545	73,202	80,040

## Appendix

Retail - Electronics and appliance stores	<1	55,216	51,395	57,724
Retail - Building material and garden equipment and supplies stores	<1	68,235	128,340	125,428
Retail - Food and beverage stores	3	201,044	281,040	305,595
Retail - Health and personal care stores	1	127,341	159,100	152,191
Retail - Gasoline stores	1	56,681	127,834	167,774
Retail - Clothing and clothing accessories stores	1	64,938	105,241	145,690
Retail - Sporting goods, hobby, musical instrument and book stores	<1	49,922	63,458	69,692
Retail - General merchandise stores	3	149,224	231,008	253,161
Retail - Miscellaneous store retailers	2	123,653	123,583	134,015
Retail - Nonstore retailers	2	122,490	576,431	589,797
Air transportation	<1	101,433	197,696	267,240
Rail transportation	<1	35,414	75,690	106,725
Water transportation	<1	8,157	15,219	52,054
Truck transportation	3	341,708	476,363	641,918
Transit and ground passenger transportation	2	82,896	99,184	86,380
Pipeline transportation	<1	231,747	175,038	126,179
Scenic and sightseeing transportation and support activities for transportation	1	137,757	113,091	137,292
Couriers and messengers	3	113,592	208,480	163,062
Warehousing and storage	2	191,964	201,098	228,760
Newspaper publishers	<1	19,538	28,847	29,793
Periodical publishers	<1	17,441	22,297	26,487
Book publishers	<1	15,491	34,604	47,937
Directory, mailing list, and other publishers	<1	11,122	22,570	26,361
Greeting card publishing	<1	155	430	402
Software publishers	2	464,465	756,399	830,927
Motion picture and video industries	<1	32,522	51,177	79,407
Sound recording industries	<1	3,203	20,051	26,788
Radio and television broadcasting	<1	512,654	531,381	446,698
Cable and other subscription programming	<1	88,380	149,499	156,981
Wired telecommunications carriers	<1	120,236	319,684	304,352

## Appendix

Wireless telecommunications carriers (except satellite)	<1	21,952	222,222	237,642
Satellite, telecommunications resellers, and all other telecommunications	<1	8,553	12,270	15,002
Data processing, hosting, and related services	<1	168,101	313,199	551,922
News syndicates, libraries, archives and all other information services	<1	18,166	26,186	57,660
Internet publishing and broadcasting and web search portals	<1	105,880	236,140	437,525
Nondepository credit intermediation and related activities	<1	150,683	162,494	152,860
Securities and commodity contracts intermediation and brokerage	2	223,154	208,806	231,073
Monetary authorities and depository credit intermediation	3	551,351	1,299,434	1,406,726
Other financial investment activities	3	374,489	452,403	647,472
Direct life insurance carriers	<1	107,357	185,560	175,430
Insurance carriers, except direct life	2	353,820	888,719	1,229,243
Insurance agencies, brokerages, and related activities	2	303,237	440,905	648,629
Funds, trusts, and other financial vehicles	<1	40,982	36,499	156,409
Other real estate	14	512,532	1,712,692	3,030,005
Tenant-occupied housing	1	54,438	520,211	370,625
Owner-occupied dwellings	0	0	2,666,576	2,088,124
Automotive equipment rental and leasing	<1	43,916	138,179	103,132
General and consumer goods rental except video tapes and discs	<1	29,658	50,935	49,910
Video tape and disc rental	<1	9,395	15,047	16,361
Commercial and industrial machinery and equipment rental and leasing	<1	54,483	149,099	110,477
Lessors of nonfinancial intangible assets	<1	6,561	162,517	115,646
Legal services	5	704,231	1,176,120	1,200,593
Accounting, tax preparation, bookkeeping, and payroll services	2	343,509	396,504	336,118
Architectural, engineering, and related services	2	6,146,999	6,579,656	455,801
Specialized design services	<1	37,640	54,300	36,712

## Appendix

Custom computer programming services	<1	172,727	176,679	113,406
Computer systems design services	<1	188,958	174,203	117,611
Other computer related services, including facilities management	<1	92,906	118,809	126,652
Management consulting services	5	1,233,574	1,259,551	975,213
Environmental and other technical consulting services	<1	178,714	191,191	138,721
Scientific research and development services	78	9,849,703	12,511,761	21,668,093
Advertising, public relations, and related services	2	211,045	277,623	416,467
Photographic services	<1	8,833	17,456	24,161
Veterinary services	<1	29,393	31,632	32,806
Marketing research and all other miscellaneous professional, scientific, and technical services	2	341,249	481,891	689,913
Management of companies and enterprises	6	1,448,687	1,646,923	1,686,512
Office administrative services	<1	66,647	12,864	22,968
Facilities support services	<1	33,149	40,128	52,636
Employment services	11	1,095,357	1,327,163	1,230,945
Business support services	1	156,423	124,712	125,958
Travel arrangement and reservation services	<1	35,128	47,672	116,188
Investigation and security services	1	128,129	131,411	99,298
Services to buildings	2	122,654	154,657	228,053
Landscape and horticultural services	1	98,782	113,968	144,115
Other support services	<1	67,686	80,286	97,946
Waste management and remediation services	<1	72,718	117,098	164,416
Elementary and secondary schools	1	117,488	88,258	69,646
Junior colleges, colleges, universities, and professional schools	20	964,945	1,164,311	1,969,242
Other educational services	<1	71,373	77,636	94,664
Offices of physicians	4	870,244	872,237	779,566
Offices of dentists	1	119,461	142,657	126,003
Offices of other health practitioners	1	136,617	206,105	170,178
Outpatient care centers	1	191,487	188,233	186,437
Medical and diagnostic laboratories	<1	54,712	88,667	77,236
Home health care services	3	219,646	217,580	181,298

## Appendix

Other ambulatory health care services	<1	63,397	74,670	75,204
Hospitals	8	1,270,700	1,456,627	1,729,348
Nursing and community care facilities	2	199,965	207,989	219,019
Residential mental retardation, mental health, substance abuse and other facilities	1	121,547	124,085	114,911
Individual and family services	6	376,699	334,717	290,454
Child day care services	2	89,087	146,016	120,956
Community food, housing, and other relief services, including rehabilitation services	<1	57,311	53,603	70,310
Performing arts companies	<1	22,323	39,602	42,323
Commercial Sports Except Racing	<1	91,454	70,608	65,073
Racing and Track Operation	<1	7,301	10,666	11,670
Independent artists, writers, and performers	<1	13,466	41,841	34,343
Promoters of performing arts and sports and agents for public figures	<1	19,577	53,748	66,342
Museums, historical sites, zoos, and parks	<1	14,205	17,719	19,932
Amusement parks and arcades	<1	5,348	10,109	8,358
Gambling industries (except casino hotels)	<1	41,347	110,023	98,219
Other amusement and recreation industries	<1	42,564	31,520	33,437
Fitness and recreational sports centers	<1	17,509	22,396	24,133
Bowling centers	<1	3,243	4,655	5,127
Hotels and motels, including casino hotels	1	97,088	166,294	138,581
Other accommodations	<1	42,602	52,169	35,806
Full-service restaurants	7	364,616	520,263	594,597
Limited-service restaurants	5	218,696	331,256	493,743
All other food and drinking places	4	251,977	337,203	347,356
Automotive repair and maintenance, except car washes	2	243,457	270,686	246,470
Car washes	1	105,136	150,020	141,812
Electronic and precision equipment repair and maintenance	<1	82,844	95,780	86,063
Commercial and industrial machinery and equipment repair and maintenance	<1	124,120	128,710	114,727
Personal and household goods repair and maintenance	<1	24,981	49,319	43,679

## Appendix

Personal care services	2	101,614	51,389	45,467
Death care services	<1	22,441	13,789	13,524
Dry-cleaning and laundry services	<1	30,421	16,754	16,095
Other personal services	1	47,915	62,941	57,972
Religious organizations	4	313,623	164,168	333,693
Grantmaking, giving, and social advocacy organizations	<1	58,307	186,490	167,889
Business and professional associations	<1	50,448	85,828	86,397
Labor and civic organizations	1	49,613	155,985	182,544
Private households	<1	25,613	25,613	16,535
Postal service	<1	120,532	121,168	73,672
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,743	5,372	6,048
State government passenger transit	1	141,223	158,833	62,237
State government electric utilities	0	0	0	0
Other state government enterprises	<1	104,445	151,274	204,979
Local government passenger transit	<1	23,870	2,480	6,887
Local government electric utilities	<1	92	267	398
Other local government enterprises	<1	128,968	257,960	383,553
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	13	2,505,514	3,362,555	6,068,272

## Rhode Island

## NASA

Table 742: Detailed NASA Impacts by Types of Impact, Rhode Island

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	93	7,424,330	11,013,463	20,449,850
Oilseed farming	0	0	0	0
Grain farming	<1	24	109	192
Vegetable and melon farming	<1	224	754	922
Fruit farming	<1	82	280	279
Tree nut farming	<1	<1	1	1
Greenhouse, nursery, and floriculture production	<1	176	436	510
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	30	69	89
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	4	39	54
Dairy cattle and milk production	<1	14	64	176
Poultry and egg production	<1	113	396	1,688
Animal production, except cattle and poultry and eggs	<1	855	4,030	4,592
Forestry, forest products, and timber tract production	<1	268	313	393
Commercial logging	<1	175	194	270
Commercial fishing	<1	1,527	2,023	2,041
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	1,573	1,716	1,996
Oil and gas extraction	<1	-122	-143	12,722
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	282	2,147	3,196
Sand and gravel mining	<1	581	1,618	2,837

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	4
Metal mining services	<1	-1	-1	98
Other nonmetallic minerals services	<1	0	0	7
Electric power generation - Hydroelectric	<1	15	81	248
Electric power generation - Fossil fuel	<1	3,637	17,308	42,455
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	2,506	24,007	40,362
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	676	192	663
Electric power transmission and distribution	<1	15,331	64,583	153,757
Natural gas distribution	<1	10,639	45,478	92,884
Water, sewage and other systems	<1	1,826	4,256	7,474
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	20,972	24,891	68,227
Maintenance and repair construction of residential structures	<1	7,382	8,982	22,551
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	12
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	257	731	4,021
Flour milling	<1	34	55	971
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	148	235	1,962
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	16	20	123
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	19	23	219
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	164	189	1,017
Canned fruits and vegetables manufacturing	<1	29	39	241
Canned specialties	<1	112	167	1,204
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	36	43	524
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	328	402	2,951
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	17	20	186

## Appendix

Frozen cakes and other pastries manufacturing	<1	370	478	885
Poultry processing	<1	39	45	266
Animal, except poultry, slaughtering	<1	89	128	723
Meat processed from carcasses	<1	3,777	722	25,190
Rendering and meat byproduct processing	<1	21	31	123
Seafood product preparation and packaging	<1	290	312	1,381
Bread and bakery product, except frozen, manufacturing	<1	1,683	2,023	5,372
Cookie and cracker manufacturing	<1	25	31	229
Dry pasta, mixes, and dough manufacturing	<1	35	53	523
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	216	340	1,419
Other snack food manufacturing	<1	167	264	1,227
Coffee and tea manufacturing	<1	130	169	882
Flavoring syrup and concentrate manufacturing	<1	8	27	105
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	19	24	136
All other food manufacturing	<1	466	547	2,701
Bottled and canned soft drinks & water	<1	631	845	5,218
Manufactured ice	<1	74	-545	79
Breweries	<1	475	848	3,189
Wineries	<1	96	130	527
Distilleries	<1	24	89	220
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	122	94	510
Broadwoven fabric mills	<1	52	34	194
Narrow fabric mills and schiffli machine embroidery	<1	235	235	779
Nonwoven fabric mills	<1	245	10	907
Knit fabric mills	<1	27	19	82
Textile and fabric finishing mills	<1	135	99	475
Fabric coating mills	<1	75	67	329
Carpet and rug mills	<1	547	261	2,858
Curtain and linen mills	<1	18	14	77
Textile bag and canvas mills	<1	36	29	126
Rope, cordage, twine, tire cord and tire fabric mills	<1	110	93	358

## Appendix

Other textile product mills	<1	102	86	285
Hosiery and sock mills	<1	1	2	5
Other apparel knitting mills	<1	2	4	9
Cut and sew apparel contractors	<1	10	11	28
Men's and boys' cut and sew apparel manufacturing	<1	4	4	15
Women's and girls' cut and sew apparel manufacturing	<1	5	2	30
Other cut and sew apparel manufacturing	<1	3	3	12
Apparel accessories and other apparel manufacturing	<1	22	14	79
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	19	16	49
Sawmills	<1	45	36	350
Wood preservation	<1	48	25	587
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	25	21	139
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	<1	173	125	859
Other millwork, including flooring	<1	621	515	2,440
Wood container and pallet manufacturing	<1	297	260	1,159
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	12	9	46
All other miscellaneous wood product manufacturing	<1	152	128	538
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	96	153	935
Paperboard container manufacturing	<1	1,137	1,503	8,817
Paper bag and coated and treated paper manufacturing	<1	891	1,150	4,450
Stationery product manufacturing	0	0	0	0

Appendix

Sanitary paper product manufacturing	<1	224	462	2,432
All other converted paper product manufacturing	<1	252	351	1,670
Printing	<1	9,950	13,937	28,730
Support activities for printing	<1	425	585	992
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	111	591	802
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	22	38	130
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	23	48	378
Plastics material and resin manufacturing	<1	718	1,214	11,056
Synthetic rubber manufacturing	<1	17	23	115
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	1,159	2,355	6,326
In-vitro diagnostic substance manufacturing	<1	8	9	19
Biological product (except diagnostic) manufacturing	<1	12	27	53
Paint and coating manufacturing	<1	31	53	317
Adhesive manufacturing	<1	40	54	201
Soap and other detergent manufacturing	<1	904	1,924	9,025
Polish and other sanitation good manufacturing	<1	346	479	1,639

## Appendix

Surface active agent manufacturing	<1	28	85	312
Toilet preparation manufacturing	<1	10	22	87
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	1,596	2,646	8,674
Photographic film and chemical manufacturing	<1	267	477	1,783
Other miscellaneous chemical product manufacturing	<1	194	268	1,142
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	931	1,217	4,652
Unlaminated plastics profile shape manufacturing	<1	95	150	676
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	659	869	3,055
Polystyrene foam product manufacturing	<1	326	460	2,252
Urethane and other foam product (except polystyrene) manufacturing	<1	68	94	619
Plastics bottle manufacturing	<1	40	51	283
Other plastics product manufacturing	<1	1,734	2,170	7,550
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	29	39	153
Other rubber product manufacturing	<1	532	613	2,248
Pottery, ceramics, and plumbing fixture manufacturing	<1	28	38	117
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	102	146	646
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	15	24	146
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	601	812	3,291
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0



## Appendix

Other concrete product manufacturing	<1	169	212	624
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	187	302	630
Cut stone and stone product manufacturing	<1	625	725	1,716
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	283	532	1,605
Miscellaneous nonmetallic mineral products manufacturing	<1	81	133	372
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	15	42	172
Rolled steel shape manufacturing	<1	55	243	841
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	76	669	2,034
Copper rolling, drawing, extruding and alloying	<1	789	1,984	13,760
Nonferrous metal, except copper and aluminum, shaping	<1	129	172	634
Secondary processing of other nonferrous metals	<1	13	35	146
Ferrous metal foundries	<1	43	83	189
Nonferrous metal foundries	<1	300	453	1,131
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	763	869	2,802
Iron and steel forging	<1	44	51	217
Nonferrous forging	<1	18	21	83
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	89	112	320
Prefabricated metal buildings and components manufacturing	0	0	0	0

## Appendix

Fabricated structural metal manufacturing	<1	146	179	725
Plate work manufacturing	<1	50	55	185
Metal window and door manufacturing	<1	271	319	1,029
Sheet metal work manufacturing	<1	174	201	726
Ornamental and architectural metal work manufacturing	<1	113	124	352
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	47	53	187
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	64	74	332
Hardware manufacturing	<1	119	149	700
Spring and wire product manufacturing	<1	106	122	433
Machine shops	<1	1,000	1,082	2,426
Turned product and screw, nut, and bolt manufacturing	<1	1,447	1,643	5,537
Metal heat treating	<1	118	135	421
Metal coating and nonprecious engraving	<1	288	377	1,477
Electroplating, anodizing, and coloring metal	<1	720	761	1,997
Valve and fittings, other than plumbing, manufacturing	<1	227	273	929
Plumbing fixture fitting and trim manufacturing	<1	110	173	924
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	26	29	85
Other fabricated metal manufacturing	<1	673	773	2,733
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	11	28	100
Mining machinery and equipment manufacturing	0	0	0	0

Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	2	3	7
Printing machinery and equipment manufacturing	<1	1	1	5
All other industrial machinery manufacturing	<1	28	38	109
Optical instrument and lens manufacturing	<1	8,729	13,626	35,392
Photographic and photocopying equipment manufacturing	<1	2	2	7
Other commercial service industry machinery manufacturing	<1	32	55	172
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	202	330	850
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	224	398	1,069
Industrial mold manufacturing	<1	5	6	16
Special tool, die, jig, and fixture manufacturing	<1	20	28	57
Cutting tool and machine tool accessory manufacturing	<1	99	119	329
Machine tool manufacturing	<1	24	32	95
Rolling mill and other metalworking machinery manufacturing	<1	2,858	4,674	14,030
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	1	2	10
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	11	20	80
Power-driven handtool manufacturing	<1	7	21	56
Welding and soldering equipment manufacturing	<1	1	2	5
Packaging machinery manufacturing	<1	<1	1	4
Industrial process furnace and oven manufacturing	<1	3	4	9
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	6	16
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	88	117	252
Telephone apparatus manufacturing	<1	4	5	16
Broadcast and wireless communications equipment manufacturing	<1	3	4	14
Other communications equipment manufacturing	<1	2	2	7
Audio and video equipment manufacturing	<1	<1	<1	3
Printed circuit assembly (electronic assembly) manufacturing	<1	31	48	252
Bare printed circuit board manufacturing	<1	10	13	39
Semiconductor and related device manufacturing	<1	32	49	195
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	33	40	123
Electronic connector manufacturing	<1	269	351	1,221
Other electronic component manufacturing	<1	11	13	37

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	9	13	62
Search, detection, and navigation instruments manufacturing	<1	14	20	53
Automatic environmental control manufacturing	<1	16	20	48
Industrial process variable instruments manufacturing	<1	39,493	57,507	161,185
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	67	79	214
Analytical laboratory instrument manufacturing	<1	54,329	81,161	183,536
Irradiation apparatus manufacturing	<1	<1	1	4
Watch, clock, and other measuring and controlling device manufacturing	<1	11	14	50
Blank magnetic and optical recording media manufacturing	<1	29	84	366
Software and other prerecorded and record reproducing	<1	10	13	34
Electric lamp bulb and part manufacturing	<1	16	21	48
Lighting fixture manufacturing	<1	91	106	308
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	15	20	68
Switchgear and switchboard apparatus manufacturing	<1	12	16	46
Relay and industrial control manufacturing	<1	67	77	191
Storage battery manufacturing	<1	267	346	1,280
Primary battery manufacturing	<1	42	61	209
Fiber optic cable manufacturing	<1	31	40	190

## Appendix

Other communication and energy wire manufacturing	<1	22	29	161
Wiring device manufacturing	<1	286	408	1,313
Carbon and graphite product manufacturing	<1	35	46	169
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	10
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	5	11
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	93	1,207	2,662
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	140	1,976	4,142
Other motor vehicle parts manufacturing	<1	87	1,638	3,446
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	287	6,045	10,003
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	5
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	198	328	656
Boat building	<1	652	1,159	3,395
Motorcycle, bicycle, and parts manufacturing	0	0	0	0

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	97	107	299
Upholstered household furniture manufacturing	<1	15	16	64
Nonupholstered wood household furniture manufacturing	<1	30	32	111
Other household nonupholstered furniture manufacturing	<1	65	84	433
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	93	71	201
Office furniture, except wood, manufacturing	<1	6	6	23
Showcase, partition, shelving, and locker manufacturing	<1	146	161	475
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	12	12	44
Surgical and medical instrument manufacturing	<1	375	638	1,203
Surgical appliance and supplies manufacturing	<1	147	318	590
Dental equipment and supplies manufacturing	<1	2	4	8
Ophthalmic goods manufacturing	<1	29	65	137
Dental laboratories	<1	16	19	36
Jewelry and silverware manufacturing	<1	797	1,425	3,313
Sporting and athletic goods manufacturing	<1	61	98	296
Doll, toy, and game manufacturing	<1	20	43	104
Office supplies (except paper) manufacturing	<1	67	114	317
Sign manufacturing	<1	433	422	998
Gasket, packing, and sealing device manufacturing	<1	93	110	231
Musical instrument manufacturing	<1	12	14	30
Fasteners, buttons, needles, and pins manufacturing	<1	14	17	42

Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	167	267	526
All other miscellaneous manufacturing	<1	698	1,046	1,675
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,872	9,628	24,235
Wholesale - Professional and commercial equipment and supplies	<1	22,517	36,926	65,727
Wholesale - Household appliances and electrical and electronic goods	<1	8,810	22,301	48,285
Wholesale - Machinery, equipment, and supplies	<1	7,865	15,789	29,097
Wholesale - Other durable goods merchant wholesalers	<1	17,661	34,775	71,308
Wholesale - Drugs and druggistsâ€™ sundries	<1	13,182	31,488	63,298
Wholesale - Grocery and related product wholesalers	<1	16,570	24,898	45,984
Wholesale - Petroleum and petroleum products	<1	1,250	34,986	39,377
Wholesale - Other nondurable goods merchant wholesalers	<1	22,516	60,455	108,308
Wholesale - Wholesale electronic markets and agents and brokers	<1	19,207	21,850	25,357
Retail - Motor vehicle and parts dealers	<1	16,886	23,002	32,930
Retail - Furniture and home furnishings stores	<1	8,005	10,603	17,767
Retail - Electronics and appliance stores	<1	8,991	7,812	13,745
Retail - Building material and garden equipment and supplies stores	<1	11,028	19,434	28,197
Retail - Food and beverage stores	<1	32,579	43,241	70,493
Retail - Health and personal care stores	<1	18,970	23,137	33,776
Retail - Gasoline stores	<1	20,929	26,495	37,680
Retail - Clothing and clothing accessories stores	<1	12,881	19,904	41,489
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,103	9,320	15,424
Retail - General merchandise stores	<1	25,728	34,856	54,234
Retail - Miscellaneous store retailers	<1	19,511	18,763	30,800
Retail - Nonstore retailers	<1	20,606	84,256	131,957
Air transportation	<1	3,466	16,751	27,961



## Appendix

Rail transportation	<1	3,752	5,141	15,280
Water transportation	<1	4,128	6,459	30,629
Truck transportation	<1	20,153	30,607	66,505
Transit and ground passenger transportation	<1	21,855	27,717	39,263
Pipeline transportation	<1	1,433	5,249	7,438
Scenic and sightseeing transportation and support activities for transportation	<1	36,560	30,953	45,958
Couriers and messengers	<1	15,293	27,966	36,020
Warehousing and storage	<1	11,235	12,465	23,380
Newspaper publishers	<1	3,544	5,674	9,142
Periodical publishers	<1	1,426	1,976	3,860
Book publishers	<1	851	2,163	4,836
Directory, mailing list, and other publishers	<1	483	1,102	2,155
Greeting card publishing	0	0	0	0
Software publishers	<1	18,172	32,432	48,939
Motion picture and video industries	<1	5,856	9,815	22,984
Sound recording industries	<1	465	3,148	5,584
Radio and television broadcasting	<1	13,733	19,370	59,866
Cable and other subscription programming	<1	1,504	7,738	20,753
Wired telecommunications carriers	<1	12,268	23,394	46,561
Wireless telecommunications carriers (except satellite)	<1	4,275	26,735	74,571
Satellite, telecommunications resellers, and all other telecommunications	<1	3,512	4,129	10,237
Data processing, hosting, and related services	<1	19,804	33,425	93,979
News syndicates, libraries, archives and all other information services	<1	3,807	5,389	19,377
Internet publishing and broadcasting and web search portals	<1	9,280	19,762	85,720
Nondepository credit intermediation and related activities	<1	23,632	25,205	38,961
Securities and commodity contracts intermediation and brokerage	<1	61,508	56,723	104,629
Monetary authorities and depository credit intermediation	1	114,674	362,089	533,862

## Appendix

Other financial investment activities	<1	35,817	54,137	104,484
Direct life insurance carriers	<1	5,157	10,431	14,314
Insurance carriers, except direct life	<1	57,584	178,569	325,053
Insurance agencies, brokerages, and related activities	<1	44,638	71,221	152,901
Funds, trusts, and other financial vehicles	<1	5,703	7,794	36,865
Other real estate	6	176,275	488,914	1,179,595
Tenant-occupied housing	<1	7,783	104,379	110,519
Owner-occupied dwellings	0	0	440,344	531,422
Automotive equipment rental and leasing	<1	6,684	20,330	27,102
General and consumer goods rental except video tapes and discs	<1	5,449	8,968	13,110
Video tape and disc rental	<1	1,431	2,379	3,904
Commercial and industrial machinery and equipment rental and leasing	<1	5,978	14,389	18,600
Lessors of nonfinancial intangible assets	<1	327	32,684	34,752
Legal services	2	178,638	282,623	414,346
Accounting, tax preparation, bookkeeping, and payroll services	<1	58,006	72,535	114,789
Architectural, engineering, and related services	<1	62,700	68,671	129,760
Specialized design services	<1	6,140	10,119	18,400
Custom computer programming services	<1	36,586	36,437	51,679
Computer systems design services	<1	39,139	34,966	46,628
Other computer related services, including facilities management	<1	8,440	10,306	19,947
Management consulting services	3	258,680	267,085	432,651
Environmental and other technical consulting services	<1	22,162	24,503	39,410
Scientific research and development services	33	2,984,855	3,954,825	7,941,714
Advertising, public relations, and related services	<1	27,706	43,422	92,875
Photographic services	<1	1,378	3,337	7,487
Veterinary services	<1	6,352	7,087	10,669
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	39,123	63,147	141,488
Management of companies and enterprises	2	391,024	439,177	646,495

## Appendix

Office administrative services	<1	33,775	8,908	32,805
Facilities support services	<1	4,472	5,751	12,266
Employment services	3	172,154	224,163	373,268
Business support services	<1	22,264	18,595	30,677
Travel arrangement and reservation services	<1	11,022	16,288	55,351
Investigation and security services	<1	18,131	18,384	26,226
Services to buildings	<1	31,917	42,232	86,256
Landscape and horticultural services	<1	22,390	26,295	47,213
Other support services	<1	5,522	6,832	15,945
Waste management and remediation services	<1	13,361	22,115	44,032
Elementary and secondary schools	<1	26,856	22,210	26,371
Junior colleges, colleges, universities, and professional schools	1	71,854	93,235	121,200
Other educational services	<1	12,037	13,704	24,109
Offices of physicians	<1	110,579	111,723	158,432
Offices of dentists	<1	18,792	21,890	30,005
Offices of other health practitioners	<1	21,557	30,785	39,591
Outpatient care centers	<1	28,234	27,890	45,712
Medical and diagnostic laboratories	<1	11,299	17,023	22,357
Home health care services	<1	32,696	32,630	41,802
Other ambulatory health care services	<1	9,204	10,617	16,542
Hospitals	2	174,144	220,540	415,832
Nursing and community care facilities	<1	38,295	45,036	66,794
Residential mental retardation, mental health, substance abuse and other facilities	<1	18,738	20,580	29,320
Individual and family services	<1	35,868	31,154	42,546
Child day care services	<1	16,090	23,036	30,015
Community food, housing, and other relief services, including rehabilitation services	<1	11,489	10,900	22,722
Performing arts companies	<1	4,614	7,135	18,535
Commercial Sports Except Racing	<1	3,262	3,694	5,991
Racing and Track Operation	<1	1,235	1,576	2,646
Independent artists, writers, and performers	<1	3,708	8,164	17,025

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	4,215	8,530	27,614
Museums, historical sites, zoos, and parks	<1	2,892	3,368	5,773
Amusement parks and arcades	<1	353	748	861
Gambling industries (except casino hotels)	<1	4,093	16,992	21,070
Other amusement and recreation industries	<1	7,949	9,035	12,189
Fitness and recreational sports centers	<1	3,227	4,669	7,303
Bowling centers	<1	652	1,100	1,664
Hotels and motels, including casino hotels	<1	2,579	5,507	7,708
Other accommodations	<1	998	1,307	1,649
Full-service restaurants	2	76,561	115,785	210,244
Limited-service restaurants	1	36,832	56,598	120,446
All other food and drinking places	1	49,526	72,591	115,614
Automotive repair and maintenance, except car washes	<1	40,726	38,409	57,402
Car washes	<1	15,767	21,518	31,407
Electronic and precision equipment repair and maintenance	<1	18,667	22,655	36,568
Commercial and industrial machinery and equipment repair and maintenance	<1	8,610	10,268	14,457
Personal and household goods repair and maintenance	<1	4,721	8,394	11,918
Personal care services	<1	15,798	8,108	10,485
Death care services	<1	4,684	2,824	4,080
Dry-cleaning and laundry services	<1	10,708	5,798	7,865
Other personal services	<1	11,422	13,516	19,281
Religious organizations	<1	30,461	11,146	40,983
Grantmaking, giving, and social advocacy organizations	<1	15,585	39,012	59,919
Business and professional associations	<1	7,949	11,365	20,164
Labor and civic organizations	<1	10,061	24,212	44,258
Private households	<1	2,950	2,950	2,950
Postal service	<1	19,423	19,511	19,519
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	602	1,325	3,121
State government passenger transit	<1	29,374	18,993	31,307

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	13,789	20,608	28,879
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	15,487	27,975	62,573
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	517,814	654,891	1,198,436

## Moon to Mars Campaign

**Table 743: Detailed M2M Campaign Impacts by Types of Impact, Rhode Island**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>10</i>	<i>824,267</i>	<i>1,206,361</i>	<i>2,175,548</i>
Oilseed farming	0	0	0	0
Grain farming	<1	2	13	17
Vegetable and melon farming	<1	23	82	96
Fruit farming	<1	9	31	31
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	17	46	52
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3	6	8
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	<1	4	4
Dairy cattle and milk production	<1	1	7	18
Poultry and egg production	<1	11	39	157
Animal production, except cattle and poultry and eggs	<1	66	362	396
Forestry, forest products, and timber tract production	<1	27	32	39
Commercial logging	<1	17	19	26
Commercial fishing	<1	188	228	228
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	126	139	162
Oil and gas extraction	<1	-8	-12	1,157
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	24	182	271
Sand and gravel mining	<1	55	152	260
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	0	0	0	0
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	0	0	14
Other nonmetallic minerals services	<1	0	0	<1
Electric power generation - Hydroelectric	<1	2	11	32

Appendix

Electric power generation - Fossil fuel	<1	463	2,018	4,958
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	217	2,073	3,466
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	87	16	68
Electric power transmission and distribution	<1	1,600	6,451	15,333
Natural gas distribution	<1	1,200	5,037	10,114
Water, sewage and other systems	<1	198	452	781
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,043	2,483	6,640
Maintenance and repair construction of residential structures	<1	778	964	2,384
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	23	68	367
Flour milling	<1	3	5	91

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	13	20	162
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2	2	12
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	3	24
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	17	19	105
Canned fruits and vegetables manufacturing	<1	4	5	29
Canned specialties	<1	13	20	140
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	4	4	58
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	37	46	335
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2	2	19
Frozen cakes and other pastries manufacturing	<1	40	51	95
Poultry processing	<1	4	4	25
Animal, except poultry, slaughtering	<1	8	11	65
Meat processed from carcasses	<1	410	79	2,739
Rendering and meat byproduct processing	<1	2	3	14
Seafood product preparation and packaging	<1	29	32	138
Bread and bakery product, except frozen, manufacturing	<1	178	216	573
Cookie and cracker manufacturing	<1	3	4	28
Dry pasta, mixes, and dough manufacturing	<1	3	5	53
Tortilla manufacturing	0	0	0	0



## Appendix

Roasted nuts and peanut butter manufacturing	<1	24	39	158
Other snack food manufacturing	<1	17	28	128
Coffee and tea manufacturing	<1	13	17	90
Flavoring syrup and concentrate manufacturing	<1	1	3	12
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	2	3	18
All other food manufacturing	<1	49	58	289
Bottled and canned soft drinks & water	<1	62	84	518
Manufactured ice	<1	8	-58	8
Breweries	<1	47	86	324
Wineries	<1	12	17	66
Distilleries	<1	3	9	24
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	12	10	51
Broadwoven fabric mills	<1	5	3	19
Narrow fabric mills and schiffli machine embroidery	<1	21	22	70
Nonwoven fabric mills	<1	31	<1	116
Knit fabric mills	<1	4	3	12
Textile and fabric finishing mills	<1	17	13	60
Fabric coating mills	<1	12	11	51
Carpet and rug mills	<1	59	29	299
Curtain and linen mills	<1	2	2	9
Textile bag and canvas mills	<1	4	3	13
Rope, cordage, twine, tire cord and tire fabric mills	<1	8	8	28
Other textile product mills	<1	12	11	35
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	1	1	3
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	2
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	4
Other cut and sew apparel manufacturing	<1	<1	<1	1
Apparel accessories and other apparel manufacturing	<1	3	2	9
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	6

## Appendix

Sawmills	<1	4	3	33
Wood preservation	<1	4	2	55
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	3	2	15
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	<1	16	11	79
Other millwork, including flooring	<1	58	47	222
Wood container and pallet manufacturing	<1	32	27	122
Manufactured home (mobile home) manufacturing	<1	0	0	<1
Prefabricated wood building manufacturing	<1	1	<1	4
All other miscellaneous wood product manufacturing	<1	18	15	59
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	11	17	109
Paperboard container manufacturing	<1	174	232	1,392
Paper bag and coated and treated paper manufacturing	<1	109	137	536
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	25	50	272
All other converted paper product manufacturing	<1	29	40	194
Printing	<1	1,175	1,683	3,376
Support activities for printing	<1	52	72	121
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	11	59	77
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

Appendix

Synthetic dye and pigment manufacturing	<1	3	6	20
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	2	5	39
Plastics material and resin manufacturing	<1	75	133	1,180
Synthetic rubber manufacturing	<1	2	4	19
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	139	289	766
In-vitro diagnostic substance manufacturing	<1	1	1	3
Biological product (except diagnostic) manufacturing	<1	2	4	7
Paint and coating manufacturing	<1	5	8	49
Adhesive manufacturing	<1	7	9	33
Soap and other detergent manufacturing	<1	114	260	1,094
Polish and other sanitation good manufacturing	<1	40	58	189
Surface active agent manufacturing	<1	3	9	31
Toilet preparation manufacturing	<1	1	3	10
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	503	964	2,879
Photographic film and chemical manufacturing	<1	29	55	187
Other miscellaneous chemical product manufacturing	<1	35	50	208
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	175	230	868
Unlaminated plastics profile shape manufacturing	<1	9	14	62
Plastics pipe and pipe fitting manufacturing	0	0	0	0

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	19	25	89
Polystyrene foam product manufacturing	<1	35	51	246
Urethane and other foam product (except polystyrene) manufacturing	<1	7	11	68
Plastics bottle manufacturing	<1	6	7	39
Other plastics product manufacturing	<1	214	274	926
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	2	3	12
Other rubber product manufacturing	<1	48	55	209
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	4	13
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	13	19	83
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	2	2	15
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	56	74	303
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	15	19	56
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	28	43	90
Cut stone and stone product manufacturing	<1	56	65	153
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	29	50	152
Miscellaneous nonmetallic mineral products manufacturing	<1	8	13	37
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	2	5	20

## Appendix

Rolled steel shape manufacturing	<1	6	28	97
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	8	70	217
Copper rolling, drawing, extruding and alloying	<1	141	368	2,471
Nonferrous metal, except copper and aluminum, shaping	<1	12	16	60
Secondary processing of other nonferrous metals	<1	1	4	15
Ferrous metal foundries	<1	6	12	27
Nonferrous metal foundries	<1	29	45	112
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	98	112	358
Iron and steel forging	<1	3	3	15
Nonferrous forging	<1	1	1	6
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	14	18	51
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	15	18	74
Plate work manufacturing	<1	5	6	19
Metal window and door manufacturing	<1	35	42	132
Sheet metal work manufacturing	<1	45	52	185
Ornamental and architectural metal work manufacturing	<1	12	13	37
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	12	13	45
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	10	12	53
Hardware manufacturing	<1	14	17	80
Spring and wire product manufacturing	<1	11	12	44

## Appendix

Machine shops	<1	179	193	430
Turned product and screw, nut, and bolt manufacturing	<1	277	313	1,058
Metal heat treating	<1	24	27	86
Metal coating and nonprecious engraving	<1	55	72	282
Electroplating, anodizing, and coloring metal	<1	146	154	405
Valve and fittings, other than plumbing, manufacturing	<1	27	33	112
Plumbing fixture fitting and trim manufacturing	<1	12	18	100
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	2	3	8
Other fabricated metal manufacturing	<1	102	116	405
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	3	8
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	3	5	13
Optical instrument and lens manufacturing	<1	<1	1	3
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	6	10	31

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	23	38	92
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	28	51	133
Industrial mold manufacturing	<1	<1	<1	2
Special tool, die, jig, and fixture manufacturing	<1	3	4	8
Cutting tool and machine tool accessory manufacturing	<1	13	16	44
Machine tool manufacturing	<1	1	2	5
Rolling mill and other metalworking machinery manufacturing	<1	<1	1	3
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	2	3	12
Power-driven handtool manufacturing	<1	1	3	8
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	1
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	3
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	13	18	38
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	0	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	7	10	53
Bare printed circuit board manufacturing	<1	1	2	6
Semiconductor and related device manufacturing	<1	3	4	17
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5	5	17
Electronic connector manufacturing	<1	19	24	85
Other electronic component manufacturing	<1	2	2	7
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	7
Search, detection, and navigation instruments manufacturing	<1	3	5	13
Automatic environmental control manufacturing	<1	2	2	7
Industrial process variable instruments manufacturing	<1	7	10	29
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	37	44	115
Analytical laboratory instrument manufacturing	<1	32,847	49,661	110,395
Irradiation apparatus manufacturing	<1	0	0	<1



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	1	2	6
Blank magnetic and optical recording media manufacturing	<1	5	13	57
Software and other prerecorded and record reproducing	<1	1	2	5
Electric lamp bulb and part manufacturing	<1	3	3	8
Lighting fixture manufacturing	<1	12	14	41
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	2	3	10
Switchgear and switchboard apparatus manufacturing	<1	2	3	7
Relay and industrial control manufacturing	<1	14	15	38
Storage battery manufacturing	<1	30	38	139
Primary battery manufacturing	<1	5	9	27
Fiber optic cable manufacturing	<1	5	6	26
Other communication and energy wire manufacturing	<1	4	5	29
Wiring device manufacturing	<1	43	64	203
Carbon and graphite product manufacturing	<1	3	4	15
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	0	<1	1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	10	126	267
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	9	127	260
Other motor vehicle parts manufacturing	<1	12	214	451
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	32	680	1,126
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	29	44	93
Boat building	<1	61	106	315
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	10	10	29
Upholstered household furniture manufacturing	<1	2	2	8
Nonupholstered wood household furniture manufacturing	<1	3	4	12
Other household nonupholstered furniture manufacturing	<1	7	9	47
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	<1	11	8	22
Office furniture, except wood, manufacturing	<1	<1	1	4
Showcase, partition, shelving, and locker manufacturing	<1	19	21	61
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	1	1	4
Surgical and medical instrument manufacturing	<1	41	68	127
Surgical appliance and supplies manufacturing	<1	18	37	69
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	3	7	15
Dental laboratories	<1	2	2	4
Jewelry and silverware manufacturing	<1	86	154	355
Sporting and athletic goods manufacturing	<1	6	10	29
Doll, toy, and game manufacturing	<1	2	5	11
Office supplies (except paper) manufacturing	<1	8	14	39
Sign manufacturing	<1	45	45	104
Gasket, packing, and sealing device manufacturing	<1	9	10	22
Musical instrument manufacturing	<1	2	2	4
Fasteners, buttons, needles, and pins manufacturing	<1	2	2	5
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	13	21	39
All other miscellaneous manufacturing	<1	75	110	176
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	453	1,138	2,867
Wholesale - Professional and commercial equipment and supplies	<1	3,015	4,976	8,809
Wholesale - Household appliances and electrical and electronic goods	<1	1,656	4,208	9,105
Wholesale - Machinery, equipment, and supplies	<1	867	1,745	3,214
Wholesale - Other durable goods merchant wholesalers	<1	2,025	3,999	8,202

Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	1,408	3,378	6,703
Wholesale - Grocery and related product wholesalers	<1	1,723	2,591	4,786
Wholesale - Petroleum and petroleum products	<1	135	4,278	4,718
Wholesale - Other nondurable goods merchant wholesalers	<1	2,529	7,036	12,382
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,246	2,548	2,952
Retail - Motor vehicle and parts dealers	<1	1,781	2,426	3,461
Retail - Furniture and home furnishings stores	<1	846	1,122	1,875
Retail - Electronics and appliance stores	<1	960	836	1,449
Retail - Building material and garden equipment and supplies stores	<1	1,187	2,088	3,017
Retail - Food and beverage stores	<1	3,559	4,723	7,687
Retail - Health and personal care stores	<1	2,014	2,462	3,573
Retail - Gasoline stores	<1	2,370	2,948	4,128
Retail - Clothing and clothing accessories stores	<1	1,392	2,135	4,403
Retail - Sporting goods, hobby, musical instrument and book stores	<1	752	986	1,623
Retail - General merchandise stores	<1	2,694	3,655	5,656
Retail - Miscellaneous store retailers	<1	2,042	1,970	3,210
Retail - Nonstore retailers	<1	2,161	9,039	14,152
Air transportation	<1	605	2,940	4,898
Rail transportation	<1	603	796	2,406
Water transportation	<1	485	775	3,485
Truck transportation	<1	3,501	5,301	11,300
Transit and ground passenger transportation	<1	3,636	4,596	6,265
Pipeline transportation	<1	227	786	1,113
Scenic and sightseeing transportation and support activities for transportation	<1	4,066	3,406	5,052
Couriers and messengers	<1	2,214	4,022	5,168
Warehousing and storage	<1	1,628	1,814	3,392
Newspaper publishers	<1	434	751	1,154
Periodical publishers	<1	210	328	586
Book publishers	<1	104	295	624

## Appendix

Directory, mailing list, and other publishers	<1	58	139	270
Greeting card publishing	0	0	0	0
Software publishers	<1	1,916	3,604	5,375
Motion picture and video industries	<1	696	1,160	2,656
Sound recording industries	<1	56	377	651
Radio and television broadcasting	<1	1,592	2,272	6,602
Cable and other subscription programming	<1	182	987	2,523
Wired telecommunications carriers	<1	1,343	2,673	5,226
Wireless telecommunications carriers (except satellite)	<1	496	3,475	9,172
Satellite, telecommunications resellers, and all other telecommunications	<1	414	483	1,209
Data processing, hosting, and related services	<1	2,395	4,018	11,194
News syndicates, libraries, archives and all other information services	<1	500	709	2,515
Internet publishing and broadcasting and web search portals	<1	902	1,916	8,353
Nondepository credit intermediation and related activities	<1	2,833	3,029	4,590
Securities and commodity contracts intermediation and brokerage	<1	7,951	7,067	12,108
Monetary authorities and depository credit intermediation	<1	12,438	41,637	59,384
Other financial investment activities	<1	4,579	6,867	12,227
Direct life insurance carriers	<1	513	1,056	1,435
Insurance carriers, except direct life	<1	6,155	19,266	34,279
Insurance agencies, brokerages, and related activities	<1	4,767	7,591	16,192
Funds, trusts, and other financial vehicles	<1	674	980	4,054
Other real estate	<1	17,749	48,324	112,892
Tenant-occupied housing	<1	803	11,494	12,111
Owner-occupied dwellings	0	0	47,148	56,900
Automotive equipment rental and leasing	<1	770	2,412	3,147

## Appendix

General and consumer goods rental except video tapes and discs	<1	625	1,031	1,489
Video tape and disc rental	<1	146	246	404
Commercial and industrial machinery and equipment rental and leasing	<1	769	1,860	2,392
Lessors of nonfinancial intangible assets	<1	39	4,154	4,400
Legal services	<1	16,739	27,182	39,293
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,965	10,111	15,704
Architectural, engineering, and related services	<1	5,626	6,203	11,626
Specialized design services	<1	1,100	1,845	3,262
Custom computer programming services	<1	6,031	5,986	8,507
Computer systems design services	<1	5,216	4,663	6,175
Other computer related services, including facilities management	<1	1,164	1,413	2,724
Management consulting services	1	113,031	117,086	186,809
Environmental and other technical consulting services	<1	2,621	2,918	4,627
Scientific research and development services	3	263,942	349,073	683,615
Advertising, public relations, and related services	<1	3,259	5,169	10,834
Photographic services	<1	173	442	953
Veterinary services	<1	664	746	1,110
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	4,024	6,618	14,593
Management of companies and enterprises	<1	46,576	52,626	76,495
Office administrative services	<1	4,706	1,340	4,542
Facilities support services	<1	610	802	1,637
Employment services	<1	18,958	25,196	40,275
Business support services	<1	2,512	2,133	3,400
Travel arrangement and reservation services	<1	1,394	2,092	6,802
Investigation and security services	<1	2,200	2,235	3,131
Services to buildings	<1	3,348	4,525	8,950
Landscape and horticultural services	<1	2,354	2,800	4,910
Other support services	<1	607	760	1,740
Waste management and remediation services	<1	1,372	2,267	4,491

## Appendix

Elementary and secondary schools	<1	3,374	2,789	3,282
Junior colleges, colleges, universities, and professional schools	<1	7,709	10,067	12,748
Other educational services	<1	1,390	1,592	2,759
Offices of physicians	<1	11,833	11,979	16,962
Offices of dentists	<1	1,990	2,352	3,202
Offices of other health practitioners	<1	2,211	3,253	4,150
Outpatient care centers	<1	3,037	3,009	4,970
Medical and diagnostic laboratories	<1	1,224	1,899	2,460
Home health care services	<1	3,650	3,652	4,710
Other ambulatory health care services	<1	980	1,145	1,776
Hospitals	<1	20,636	26,293	49,736
Nursing and community care facilities	<1	4,354	5,125	7,509
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,324	2,554	3,599
Individual and family services	<1	4,075	3,562	4,829
Child day care services	<1	1,808	2,639	3,413
Community food, housing, and other relief services, including rehabilitation services	<1	1,403	1,334	2,742
Performing arts companies	<1	604	927	2,283
Commercial Sports Except Racing	<1	369	439	699
Racing and Track Operation	<1	149	186	301
Independent artists, writers, and performers	<1	456	985	2,018
Promoters of performing arts and sports and agents for public figures	<1	531	1,051	3,221
Museums, historical sites, zoos, and parks	<1	331	386	649
Amusement parks and arcades	<1	42	87	100
Gambling industries (except casino hotels)	<1	441	1,839	2,270
Other amusement and recreation industries	<1	888	1,010	1,346
Fitness and recreational sports centers	<1	374	536	825
Bowling centers	<1	69	117	176
Hotels and motels, including casino hotels	<1	333	698	974
Other accommodations	<1	144	188	235

## Appendix

Full-service restaurants	<1	8,512	12,813	23,182
Limited-service restaurants	<1	4,028	6,147	12,945
All other food and drinking places	<1	6,290	9,114	14,324
Automotive repair and maintenance, except car washes	<1	4,552	4,199	6,269
Car washes	<1	1,692	2,301	3,350
Electronic and precision equipment repair and maintenance	<1	1,136	1,399	2,230
Commercial and industrial machinery and equipment repair and maintenance	<1	931	1,102	1,534
Personal and household goods repair and maintenance	<1	533	894	1,280
Personal care services	<1	1,683	799	1,050
Death care services	<1	550	308	451
Dry-cleaning and laundry services	<1	1,090	543	747
Other personal services	<1	1,203	1,388	1,988
Religious organizations	<1	3,721	1,231	4,802
Grantmaking, giving, and social advocacy organizations	<1	1,963	4,414	6,900
Business and professional associations	<1	909	1,191	2,126
Labor and civic organizations	<1	1,234	2,648	4,977
Private households	<1	335	335	335
Postal service	<1	2,786	2,799	2,800
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	75	177	393
State government passenger transit	<1	5,722	1,088	4,475
State government electric utilities	0	0	0	0
Other state government enterprises	<1	946	1,323	1,827
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	1,566	2,431	5,808
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	6,224	16,909	30,944

## Investments in Climate Change Research and Technology

**Table 744: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	24	1,844,085	2,816,022	5,222,257
Oilseed farming	0	0	0	0
Grain farming	<1	6	24	45
Vegetable and melon farming	<1	61	205	248
Fruit farming	<1	23	79	79
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	51	125	144
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	10	22	28
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	2	14	19
Dairy cattle and milk production	<1	4	17	49
Poultry and egg production	<1	36	119	546
Animal production, except cattle and poultry and eggs	<1	254	1,065	1,185
Forestry, forest products, and timber tract production	<1	70	83	110

## Appendix

Commercial logging	<1	50	58	82
Commercial fishing	<1	305	546	551
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	540	590	673
Oil and gas extraction	<1	-39	-44	4,025
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	70	604	885
Sand and gravel mining	<1	162	473	827
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	0	0	25
Other nonmetallic minerals services	<1	0	0	3
Electric power generation - Hydroelectric	<1	3	18	54
Electric power generation - Fossil fuel	<1	880	4,484	11,022
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	805	8,419	14,433
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	170	81	200
Electric power transmission and distribution	<1	3,860	16,986	40,729

## Appendix

Natural gas distribution	<1	2,642	11,344	23,307
Water, sewage and other systems	<1	505	1,211	2,189
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	5,776	6,829	19,002
Maintenance and repair construction of residential structures	<1	1,847	2,247	5,729
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	85	236	1,313
Flour milling	<1	11	17	298
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	27	43	388
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4	5	34

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	5	6	62
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	49	56	302
Canned fruits and vegetables manufacturing	<1	8	11	68
Canned specialties	<1	36	53	375
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	9	11	132
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	85	102	759
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	4	5	51
Frozen cakes and other pastries manufacturing	<1	106	137	256
Poultry processing	<1	14	16	93
Animal, except poultry, slaughtering	<1	27	38	213
Meat processed from carcasses	<1	1,057	202	7,093
Rendering and meat byproduct processing	<1	7	10	39
Seafood product preparation and packaging	<1	81	87	401
Bread and bakery product, except frozen, manufacturing	<1	468	563	1,497
Cookie and cracker manufacturing	<1	6	7	60
Dry pasta, mixes, and dough manufacturing	<1	9	13	131
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	61	97	403
Other snack food manufacturing	<1	48	75	358
Coffee and tea manufacturing	<1	37	47	249
Flavoring syrup and concentrate manufacturing	<1	3	9	38
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	5	6	37
All other food manufacturing	<1	126	147	735
Bottled and canned soft drinks & water	<1	186	246	1,522
Manufactured ice	<1	20	-143	21

## Appendix

Breweries	<1	122	215	811
Wineries	<1	27	37	147
Distilleries	<1	7	26	64
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	30	22	128
Broadwoven fabric mills	<1	15	9	58
Narrow fabric mills and schiffli machine embroidery	<1	77	77	248
Nonwoven fabric mills	<1	49	2	195
Knit fabric mills	<1	5	4	17
Textile and fabric finishing mills	<1	32	23	115
Fabric coating mills	<1	16	14	74
Carpet and rug mills	<1	157	74	844
Curtain and linen mills	<1	5	4	24
Textile bag and canvas mills	<1	12	9	41
Rope, cordage, twine, tire cord and tire fabric mills	<1	37	30	122
Other textile product mills	<1	30	25	86
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	1	3
Cut and sew apparel contractors	<1	4	4	10
Men's and boys' cut and sew apparel manufacturing	<1	1	1	4
Women's and girls' cut and sew apparel manufacturing	<1	1	<1	9
Other cut and sew apparel manufacturing	<1	<1	<1	3
Apparel accessories and other apparel manufacturing	<1	6	4	24
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	6	5	16
Sawmills	<1	14	12	110
Wood preservation	<1	17	9	203
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	7	6	41
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	<1	48	36	243

Appendix

Other millwork, including flooring	<1	172	148	693
Wood container and pallet manufacturing	<1	79	72	320
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	3	3	13
All other miscellaneous wood product manufacturing	<1	38	34	145
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	40	68	391
Paperboard container manufacturing	<1	277	384	2,239
Paper bag and coated and treated paper manufacturing	<1	236	323	1,292
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	72	149	781
All other converted paper product manufacturing	<1	65	96	452
Printing	<1	2,487	3,416	7,379
Support activities for printing	<1	101	138	241
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	31	160	228
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	6	9	31
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	10	18	144
Plastics material and resin manufacturing	<1	271	414	3,828
Synthetic rubber manufacturing	<1	7	11	49
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	334	668	1,832
In-vitro diagnostic substance manufacturing	<1	2	2	5
Biological product (except diagnostic) manufacturing	<1	3	7	14
Paint and coating manufacturing	<1	9	16	93
Adhesive manufacturing	<1	10	13	49
Soap and other detergent manufacturing	<1	234	499	2,474
Polish and other sanitation good manufacturing	<1	100	138	479
Surface active agent manufacturing	<1	8	25	91
Toilet preparation manufacturing	<1	3	7	26
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	186	253	944
Photographic film and chemical manufacturing	<1	65	120	448
Other miscellaneous chemical product manufacturing	<1	60	82	341
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	212	279	1,096
Unlaminated plastics profile shape manufacturing	<1	25	40	183
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	74	98	360
Polystyrene foam product manufacturing	<1	100	140	715
Urethane and other foam product (except polystyrene) manufacturing	<1	21	30	198
Plastics bottle manufacturing	<1	12	16	88
Other plastics product manufacturing	<1	479	593	2,119
Tire manufacturing	0	0	0	0

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	9	12	49
Other rubber product manufacturing	<1	173	199	740
Pottery, ceramics, and plumbing fixture manufacturing	<1	7	10	30
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	33	48	208
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	5	7	44
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	175	240	959
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	52	67	193
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	34	55	114
Cut stone and stone product manufacturing	<1	167	197	462
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	80	153	466
Miscellaneous nonmetallic mineral products manufacturing	<1	23	40	111
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	4	10	42
Rolled steel shape manufacturing	<1	11	53	174
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	23	237	663



## Appendix

Copper rolling, drawing, extruding and alloying	<1	145	389	2,729
Nonferrous metal, except copper and aluminum, shaping	<1	40	54	202
Secondary processing of other nonferrous metals	<1	3	9	36
Ferrous metal foundries	<1	9	20	45
Nonferrous metal foundries	<1	41	64	163
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	136	154	506
Iron and steel forging	<1	9	10	45
Nonferrous forging	<1	4	4	16
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	20	26	77
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	49	59	246
Plate work manufacturing	<1	16	17	60
Metal window and door manufacturing	<1	78	91	305
Sheet metal work manufacturing	<1	31	36	133
Ornamental and architectural metal work manufacturing	<1	33	36	106
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	10	11	40
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	16	18	84
Hardware manufacturing	<1	36	44	211
Spring and wire product manufacturing	<1	31	35	126
Machine shops	<1	207	224	507
Turned product and screw, nut, and bolt manufacturing	<1	160	181	620
Metal heat treating	<1	22	26	79
Metal coating and nonprecious engraving	<1	55	71	283
Electroplating, anodizing, and coloring metal	<1	150	158	419
Valve and fittings, other than plumbing, manufacturing	<1	56	66	224
Plumbing fixture fitting and trim manufacturing	<1	29	45	247

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	8	9	26
Other fabricated metal manufacturing	<1	174	199	714
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	2	6	22
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	2
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	4	6	16
Optical instrument and lens manufacturing	<1	2	4	9
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	9	15	46
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	53	87	226
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	68	128	344
Industrial mold manufacturing	<1	1	1	4
Special tool, die, jig, and fixture manufacturing	<1	3	4	9

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	14	17	50
Machine tool manufacturing	<1	1	2	6
Rolling mill and other metalworking machinery manufacturing	<1	1	2	6
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	3
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	3	6	23
Power-driven handtool manufacturing	<1	2	5	13
Welding and soldering equipment manufacturing	<1	0	0	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	2
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	1	3
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	20	26	58
Telephone apparatus manufacturing	<1	2	3	8

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	1	4
Other communications equipment manufacturing	<1	<1	<1	2
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	4	6	34
Bare printed circuit board manufacturing	<1	2	2	7
Semiconductor and related device manufacturing	<1	9	13	55
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5	6	20
Electronic connector manufacturing	<1	61	78	283
Other electronic component manufacturing	<1	2	2	5
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	4	18
Search, detection, and navigation instruments manufacturing	<1	4	5	14
Automatic environmental control manufacturing	<1	4	5	11
Industrial process variable instruments manufacturing	<1	2,310	3,074	8,459
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	7	8	22
Analytical laboratory instrument manufacturing	<1	7,236	10,872	24,834
Irradiation apparatus manufacturing	<1	0	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	4	5	17
Blank magnetic and optical recording media manufacturing	<1	6	17	77
Software and other prerecorded and record reproducing	<1	2	3	8
Electric lamp bulb and part manufacturing	<1	4	5	12
Lighting fixture manufacturing	<1	27	31	93
Small electrical appliance manufacturing	0	0	0	0

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	4	6	18
Switchgear and switchboard apparatus manufacturing	<1	3	4	13
Relay and industrial control manufacturing	<1	8	9	24
Storage battery manufacturing	<1	71	91	358
Primary battery manufacturing	<1	11	11	51
Fiber optic cable manufacturing	<1	8	11	53
Other communication and energy wire manufacturing	<1	4	6	34
Wiring device manufacturing	<1	72	98	330
Carbon and graphite product manufacturing	<1	12	16	60
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	3
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	2	3
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	29	381	878
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	48	676	1,472
Other motor vehicle parts manufacturing	<1	25	479	1,007

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	70	1,427	2,482
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	73	114	236
Boat building	<1	212	379	1,118
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	31	35	97
Upholstered household furniture manufacturing	<1	4	5	19
Nonupholstered wood household furniture manufacturing	<1	8	9	32
Other household nonupholstered furniture manufacturing	<1	19	25	132
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	27	21	60
Office furniture, except wood, manufacturing	<1	1	2	6
Showcase, partition, shelving, and locker manufacturing	<1	42	47	140
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	3	3	13
Surgical and medical instrument manufacturing	<1	100	164	319
Surgical appliance and supplies manufacturing	<1	41	87	166

## Appendix

Dental equipment and supplies manufacturing	<1	<1	1	2
Ophthalmic goods manufacturing	<1	10	21	46
Dental laboratories	<1	5	6	11
Jewelry and silverware manufacturing	<1	238	416	972
Sporting and athletic goods manufacturing	<1	18	28	86
Doll, toy, and game manufacturing	<1	5	11	27
Office supplies (except paper) manufacturing	<1	18	29	89
Sign manufacturing	<1	120	115	277
Gasket, packing, and sealing device manufacturing	<1	26	30	64
Musical instrument manufacturing	<1	3	3	7
Fasteners, buttons, needles, and pins manufacturing	<1	3	4	9
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	48	74	157
All other miscellaneous manufacturing	<1	191	278	461
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,020	2,583	6,432
Wholesale - Professional and commercial equipment and supplies	<1	5,357	8,878	15,813
Wholesale - Household appliances and electrical and electronic goods	<1	1,895	4,896	10,632
Wholesale - Machinery, equipment, and supplies	<1	2,028	4,136	7,615
Wholesale - Other durable goods merchant wholesalers	<1	4,362	8,726	17,857
Wholesale - Drugs and druggists'sundries	<1	3,429	8,426	17,013
Wholesale - Grocery and related product wholesalers	<1	4,368	6,656	12,315
Wholesale - Petroleum and petroleum products	<1	379	9,960	11,285
Wholesale - Other nondurable goods merchant wholesalers	<1	5,735	15,560	27,990
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,992	5,713	6,694
Retail - Motor vehicle and parts dealers	<1	4,408	6,084	8,724
Retail - Furniture and home furnishings stores	<1	2,034	2,728	4,597

## Appendix

Retail - Electronics and appliance stores	<1	2,295	2,020	3,592
Retail - Building material and garden equipment and supplies stores	<1	2,788	5,042	7,316
Retail - Food and beverage stores	<1	8,174	11,007	17,982
Retail - Health and personal care stores	<1	4,801	5,923	8,734
Retail - Gasoline stores	<1	5,491	7,075	10,030
Retail - Clothing and clothing accessories stores	<1	3,290	5,227	10,973
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,770	2,357	3,931
Retail - General merchandise stores	<1	6,680	9,209	14,315
Retail - Miscellaneous store retailers	<1	4,861	4,756	7,885
Retail - Nonstore retailers	<1	5,109	21,610	33,891
Air transportation	<1	856	4,093	6,936
Rail transportation	<1	1,014	1,355	4,081
Water transportation	<1	1,190	1,732	8,710
Truck transportation	<1	5,029	7,703	17,081
Transit and ground passenger transportation	<1	4,727	6,178	9,093
Pipeline transportation	<1	356	1,291	1,946
Scenic and sightseeing transportation and support activities for transportation	<1	11,138	9,703	14,162
Couriers and messengers	<1	3,862	7,480	9,594
Warehousing and storage	<1	2,797	3,095	5,864
Newspaper publishers	<1	878	1,346	2,220
Periodical publishers	<1	317	418	849
Book publishers	<1	201	490	1,133
Directory, mailing list, and other publishers	<1	124	269	546
Greeting card publishing	0	0	0	0
Software publishers	<1	4,717	8,091	12,555
Motion picture and video industries	<1	1,507	2,508	6,007
Sound recording industries	<1	118	784	1,419
Radio and television broadcasting	<1	3,423	4,854	15,916
Cable and other subscription programming	<1	364	1,840	5,048
Wired telecommunications carriers	<1	3,265	6,208	12,549



## Appendix

Wireless telecommunications carriers (except satellite)	<1	1,175	7,030	20,215
Satellite, telecommunications resellers, and all other telecommunications	<1	957	1,191	2,892
Data processing, hosting, and related services	<1	5,358	9,041	25,725
News syndicates, libraries, archives and all other information services	<1	974	1,383	4,925
Internet publishing and broadcasting and web search portals	<1	1,798	3,845	16,853
Nondepository credit intermediation and related activities	<1	6,236	6,629	10,371
Securities and commodity contracts intermediation and brokerage	<1	15,582	14,627	28,339
Monetary authorities and depository credit intermediation	<1	32,897	94,811	145,159
Other financial investment activities	<1	8,655	12,990	26,381
Direct life insurance carriers	<1	1,297	2,592	3,718
Insurance carriers, except direct life	<1	14,946	45,213	85,778
Insurance agencies, brokerages, and related activities	<1	12,408	19,606	43,253
Funds, trusts, and other financial vehicles	<1	1,456	1,978	9,481
Other real estate	2	48,482	133,171	324,675
Tenant-occupied housing	<1	1,904	26,215	27,921
Owner-occupied dwellings	0	0	109,840	133,377
Automotive equipment rental and leasing	<1	1,740	5,166	7,036
General and consumer goods rental except video tapes and discs	<1	1,430	2,374	3,489
Video tape and disc rental	<1	363	615	1,007
Commercial and industrial machinery and equipment rental and leasing	<1	1,689	3,956	5,210
Lessors of nonfinancial intangible assets	<1	94	8,656	9,236
Legal services	<1	52,380	81,258	120,053
Accounting, tax preparation, bookkeeping, and payroll services	<1	14,957	18,549	29,933
Architectural, engineering, and related services	<1	17,930	19,606	37,381
Specialized design services	<1	1,431	2,346	4,388

## Appendix

Custom computer programming services	<1	5,854	5,824	8,554
Computer systems design services	<1	9,462	8,439	11,414
Other computer related services, including facilities management	<1	2,122	2,593	5,062
Management consulting services	<1	46,543	47,999	79,084
Environmental and other technical consulting services	<1	5,856	6,444	10,568
Scientific research and development services	9	869,005	1,181,748	2,320,975
Advertising, public relations, and related services	<1	6,967	10,904	23,764
Photographic services	<1	362	845	1,984
Veterinary services	<1	1,600	1,777	2,705
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	9,897	16,082	36,549
Management of companies and enterprises	<1	96,609	108,817	163,411
Office administrative services	<1	8,772	2,300	8,722
Facilities support services	<1	1,236	1,581	3,483
Employment services	<1	47,826	61,906	107,244
Business support services	<1	6,177	5,142	8,799
Travel arrangement and reservation services	<1	3,148	4,661	15,790
Investigation and security services	<1	4,948	5,012	7,327
Services to buildings	<1	8,715	11,459	23,870
Landscape and horticultural services	<1	5,859	6,861	12,598
Other support services	<1	1,408	1,738	4,186
Waste management and remediation services	<1	3,585	6,008	11,989
Elementary and secondary schools	<1	6,451	5,356	6,420
Junior colleges, colleges, universities, and professional schools	<1	13,778	17,918	23,862
Other educational services	<1	2,966	3,369	6,012
Offices of physicians	<1	27,734	27,981	40,198
Offices of dentists	<1	4,636	5,385	7,458
Offices of other health practitioners	<1	5,455	7,735	10,049
Outpatient care centers	<1	7,136	7,042	11,508
Medical and diagnostic laboratories	<1	2,945	4,422	5,862
Home health care services	<1	8,062	8,033	10,474

## Appendix

Other ambulatory health care services	<1	2,279	2,622	4,141
Hospitals	<1	40,244	50,759	96,340
Nursing and community care facilities	<1	9,040	10,589	16,024
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,214	4,622	6,715
Individual and family services	<1	8,178	7,099	9,962
Child day care services	<1	3,832	5,437	7,202
Community food, housing, and other relief services, including rehabilitation services	<1	2,603	2,465	5,251
Performing arts companies	<1	1,145	1,729	4,616
Commercial Sports Except Racing	<1	835	883	1,486
Racing and Track Operation	<1	287	377	650
Independent artists, writers, and performers	<1	978	2,087	4,410
Promoters of performing arts and sports and agents for public figures	<1	1,076	2,125	7,063
Museums, historical sites, zoos, and parks	<1	678	778	1,360
Amusement parks and arcades	<1	95	196	229
Gambling industries (except casino hotels)	<1	973	3,996	5,023
Other amusement and recreation industries	<1	1,911	2,154	2,953
Fitness and recreational sports centers	<1	788	1,104	1,776
Bowling centers	<1	160	265	408
Hotels and motels, including casino hotels	<1	726	1,577	2,224
Other accommodations	<1	270	354	451
Full-service restaurants	<1	19,490	29,689	54,729
Limited-service restaurants	<1	9,454	14,607	31,687
All other food and drinking places	<1	12,538	18,466	29,809
Automotive repair and maintenance, except car washes	<1	10,383	10,039	15,085
Car washes	<1	4,062	5,604	8,223
Electronic and precision equipment repair and maintenance	<1	10,212	12,608	20,113
Commercial and industrial machinery and equipment repair and maintenance	<1	2,335	2,833	4,076
Personal and household goods repair and maintenance	<1	1,240	2,311	3,281

Appendix

Personal care services	<1	3,888	2,114	2,739
Death care services	<1	1,166	735	1,067
Dry-cleaning and laundry services	<1	2,790	1,592	2,164
Other personal services	<1	2,974	3,567	5,138
Religious organizations	<1	7,155	2,772	9,827
Grantmaking, giving, and social advocacy organizations	<1	3,496	9,183	14,063
Business and professional associations	<1	1,905	2,861	5,087
Labor and civic organizations	<1	2,289	5,831	10,507
Private households	<1	774	774	777
Postal service	<1	4,824	4,844	4,880
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	161	377	831
State government passenger transit	<1	3,357	14,452	4,815
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,696	4,688	6,634
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	4,509	9,249	19,048
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	8,580	19,748	36,138

## South Carolina

## NASA

Table 745: Detailed NASA Impacts by Types of Impact, South Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>176</i>	<i>13,776,491</i>	<i>20,837,229</i>	<i>40,391,669</i>
Oilseed farming	<1	1,891	4,995	11,499
Grain farming	<1	3,303	3,779	29,873
Vegetable and melon farming	<1	2,425	3,874	11,593
Fruit farming	<1	1,756	2,636	5,891
Tree nut farming	<1	104	167	399
Greenhouse, nursery, and floriculture production	<1	972	1,616	5,680
Tobacco farming	<1	123	148	537
Cotton farming	<1	243	400	1,308
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,591	2,355	8,318
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	666	1,262	5,306
Dairy cattle and milk production	<1	146	255	1,994
Poultry and egg production	<1	874	1,670	31,920
Animal production, except cattle and poultry and eggs	<1	2,877	7,503	13,589
Forestry, forest products, and timber tract production	<1	455	514	737
Commercial logging	<1	1,967	2,204	3,664
Commercial fishing	<1	43	1,097	1,106
Commercial hunting and trapping	<1	232	1,004	1,343
Support activities for agriculture and forestry	<1	13,131	13,494	15,079
Oil and gas extraction	<1	24	63	33,224
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,076	3,577	7,464
Silver ore mining	<1	220	507	1,100
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,331	5,150	8,297
Sand and gravel mining	<1	458	851	1,643

Appendix

Other clay, ceramic, refractory minerals mining	<1	84	165	309
Potash, soda, and borate mineral mining	<1	106	161	311
Phosphate rock mining	<1	28	55	106
Other chemical and fertilizer mineral mining	<1	18	28	57
Other nonmetallic minerals	<1	275	509	998
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	2	4	17
Metal mining services	<1	6	9	549
Other nonmetallic minerals services	<1	<1	1	34
Electric power generation - Hydroelectric	<1	575	1,747	3,287
Electric power generation - Fossil fuel	<1	7,574	39,339	92,201
Electric power generation - Nuclear	<1	13,203	34,248	68,236
Electric power generation - Solar	<1	377	1,139	2,302
Electric power generation - Wind	<1	13	173	309
Electric power generation - Geothermal	<1	22	64	120
Electric power generation - Biomass	<1	123	489	1,246
Electric power generation - All other	<1	178	43	128
Electric power transmission and distribution	<1	20,657	102,893	241,000
Natural gas distribution	<1	4,004	19,712	38,760
Water, sewage and other systems	<1	2,627	7,101	12,852
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	32,878	56,200	137,128
Maintenance and repair construction of residential structures	<1	15,860	25,117	59,703
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	12	20	49
Dog and cat food manufacturing	<1	1,751	4,305	18,636
Other animal food manufacturing	<1	372	898	7,083
Flour milling	<1	528	1,022	8,291
Rice milling	<1	65	107	729
Malt manufacturing	0	0	0	0
Wet corn milling	<1	666	1,474	14,082
Soybean and other oilseed processing	<1	80	415	4,263
Fats and oils refining and blending	<1	6	15	255
Breakfast cereal manufacturing	<1	315	684	4,350
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	48	114	592
Nonchocolate confectionery manufacturing	<1	348	479	2,508
Chocolate and confectionery manufacturing from cacao beans	<1	12	18	143
Confectionery manufacturing from purchased chocolate	<1	7	11	164
Frozen fruits, juices and vegetables manufacturing	<1	1,220	2,281	10,591
Frozen specialties manufacturing	<1	2,532	3,274	15,923
Canned fruits and vegetables manufacturing	<1	454	781	3,593
Canned specialties	<1	67	134	737
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	263	363	3,913
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	641	958	6,349
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	26	37	324



Appendix

Frozen cakes and other pastries manufacturing	<1	1,193	1,786	3,574
Poultry processing	<1	7,644	9,430	48,404
Animal, except poultry, slaughtering	<1	2,548	3,192	25,335
Meat processed from carcasses	<1	2,014	2,089	19,733
Rendering and meat byproduct processing	<1	111	124	692
Seafood product preparation and packaging	<1	31	40	250
Bread and bakery product, except frozen, manufacturing	<1	3,792	5,392	14,121
Cookie and cracker manufacturing	<1	281	383	1,651
Dry pasta, mixes, and dough manufacturing	<1	516	1,023	4,254
Tortilla manufacturing	<1	12	15	67
Roasted nuts and peanut butter manufacturing	<1	248	330	1,845
Other snack food manufacturing	<1	300	495	2,505
Coffee and tea manufacturing	<1	455	754	4,185
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	224	386	2,307
Spice and extract manufacturing	<1	249	381	2,106
All other food manufacturing	<1	930	1,265	7,129
Bottled and canned soft drinks & water	<1	2,240	3,630	18,868
Manufactured ice	<1	225	144	680
Breweries	<1	1,200	2,708	7,847
Wineries	<1	303	505	1,748
Distilleries	<1	494	2,940	5,781
Tobacco product manufacturing	<1	94	3,908	5,798
Fiber, yarn, and thread mills	<1	1,319	1,787	7,748
Broadwoven fabric mills	<1	2,276	3,427	12,936
Narrow fabric mills and schiffli machine embroidery	<1	366	419	1,325
Nonwoven fabric mills	<1	3,272	5,457	18,833
Knit fabric mills	<1	157	215	614
Textile and fabric finishing mills	<1	611	841	3,288
Fabric coating mills	<1	186	243	1,011
Carpet and rug mills	<1	1,428	2,182	7,603
Curtain and linen mills	<1	112	146	478
Textile bag and canvas mills	<1	257	356	1,145
Rope, cordage, twine, tire cord and tire fabric mills	<1	136	214	535

Appendix

Other textile product mills	<1	1,267	1,548	4,001
Hosiery and sock mills	<1	17	40	76
Other apparel knitting mills	<1	18	46	91
Cut and sew apparel contractors	<1	158	279	500
Men's and boys' cut and sew apparel manufacturing	<1	51	146	276
Women's and girls' cut and sew apparel manufacturing	<1	54	354	669
Other cut and sew apparel manufacturing	<1	29	108	208
Apparel accessories and other apparel manufacturing	<1	59	274	418
Leather and hide tanning and finishing	<1	4	28	41
Footwear manufacturing	<1	12	19	37
Other leather and allied product manufacturing	<1	40	85	149
Sawmills	<1	1,955	3,001	11,039
Wood preservation	<1	261	580	2,869
Veneer and plywood manufacturing	<1	724	1,048	3,778
Engineered wood member and truss manufacturing	<1	662	943	3,068
Reconstituted wood product manufacturing	<1	542	1,291	5,110
Wood windows and door manufacturing	<1	2,239	2,719	8,373
Cut stock, resawing lumber, and planing	<1	124	207	870
Other millwork, including flooring	<1	1,148	1,590	5,715
Wood container and pallet manufacturing	<1	953	1,173	4,250
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	230	327	1,030
All other miscellaneous wood product manufacturing	<1	1,072	1,300	4,293
Pulp mills	<1	6	11	46
Paper mills	<1	3,134	8,172	22,460
Paperboard mills	<1	3,411	8,418	27,793
Paperboard container manufacturing	<1	5,418	9,264	32,766
Paper bag and coated and treated paper manufacturing	<1	3,156	5,580	14,275
Stationery product manufacturing	<1	196	269	772

Appendix

Sanitary paper product manufacturing	<1	2,962	11,283	29,391
All other converted paper product manufacturing	<1	2,509	4,866	12,667
Printing	<1	20,307	31,444	65,231
Support activities for printing	<1	867	1,338	2,018
Petroleum refineries	<1	94	1,627	7,610
Asphalt paving mixture and block manufacturing	<1	381	758	2,870
Asphalt shingle and coating materials manufacturing	<1	167	1,023	1,871
Petroleum lubricating oil and grease manufacturing	<1	1,168	5,571	11,861
All other petroleum and coal products manufacturing	<1	223	1,214	2,308
Petrochemical manufacturing	<1	584	5,282	25,449
Industrial gas manufacturing	<1	1,470	3,456	12,438
Synthetic dye and pigment manufacturing	<1	568	934	3,023
Other basic inorganic chemical manufacturing	<1	1,221	2,250	7,726
Other basic organic chemical manufacturing	<1	1,292	2,659	22,183
Plastics material and resin manufacturing	<1	2,087	3,419	27,369
Synthetic rubber manufacturing	<1	44	61	386
Artificial and synthetic fibers and filaments manufacturing	<1	5,483	7,650	41,745
Nitrogenous fertilizer manufacturing	<1	128	356	1,793
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	70	118	492
Pesticide and other agricultural chemical manufacturing	<1	630	1,730	5,693
Medicinal and botanical manufacturing	<1	60	79	313
Pharmaceutical preparation manufacturing	<1	5,900	13,151	50,729
In-vitro diagnostic substance manufacturing	<1	4	6	10
Biological product (except diagnostic) manufacturing	<1	79	176	359
Paint and coating manufacturing	<1	570	974	4,702
Adhesive manufacturing	<1	343	481	2,203
Soap and other detergent manufacturing	<1	987	2,128	9,213
Polish and other sanitation good manufacturing	<1	1,573	2,202	7,388

Appendix

Surface active agent manufacturing	<1	872	2,645	9,092
Toilet preparation manufacturing	<1	42	97	281
Printing ink manufacturing	<1	288	316	1,445
Explosives manufacturing	<1	29	32	100
Custom compounding of purchased resins	<1	789	1,318	6,102
Photographic film and chemical manufacturing	<1	2,133	3,705	10,603
Other miscellaneous chemical product manufacturing	<1	2,166	2,994	13,155
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,715	5,223	16,291
Unlaminated plastics profile shape manufacturing	<1	1,665	4,710	11,435
Plastics pipe and pipe fitting manufacturing	<1	252	956	3,093
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	195	397	1,194
Polystyrene foam product manufacturing	<1	520	1,141	4,081
Urethane and other foam product (except polystyrene) manufacturing	<1	469	979	3,285
Plastics bottle manufacturing	<1	171	317	1,246
Other plastics product manufacturing	<1	7,624	13,331	39,739
Tire manufacturing	<1	9,958	14,125	46,900
Rubber and plastics hoses and belting manufacturing	<1	539	1,013	3,020
Other rubber product manufacturing	<1	1,011	1,436	4,883
Pottery, ceramics, and plumbing fixture manufacturing	<1	271	436	931
Brick, tile, and other structural clay product manufacturing	<1	427	743	1,867
Flat glass manufacturing	<1	129	258	618
Other pressed and blown glass and glassware manufacturing	<1	1,646	2,779	6,488
Glass container manufacturing	<1	21	35	91
Glass product manufacturing made of purchased glass	<1	226	411	909
Cement manufacturing	<1	526	1,229	3,233
Ready-mix concrete manufacturing	<1	2,245	3,740	12,459
Concrete block and brick manufacturing	<1	569	1,030	2,753
Concrete pipe manufacturing	<1	141	242	758

Appendix

Other concrete product manufacturing	<1	1,167	1,761	4,400
Lime manufacturing	<1	151	335	1,007
Gypsum product manufacturing	<1	156	456	1,298
Abrasive product manufacturing	<1	112	251	478
Cut stone and stone product manufacturing	<1	588	776	1,927
Ground or treated mineral and earth manufacturing	<1	41	95	200
Mineral wool manufacturing	<1	64	176	370
Miscellaneous nonmetallic mineral products manufacturing	<1	130	304	620
Iron and steel mills and ferroalloy manufacturing	<1	7,048	11,126	82,033
Iron, steel pipe and tube manufacturing from purchased steel	<1	94	136	954
Rolled steel shape manufacturing	<1	906	1,668	10,929
Steel wire drawing	<1	289	386	2,379
Alumina refining and primary aluminum production	<1	123	154	1,016
Secondary smelting and alloying of aluminum	<1	48	65	813
Aluminum sheet, plate, and foil manufacturing	<1	1,034	1,467	7,964
Other aluminum rolling, drawing and extruding	<1	29	34	187
Nonferrous metal (exc aluminum) smelting and refining	<1	13	39	239
Copper rolling, drawing, extruding and alloying	<1	672	930	11,041
Nonferrous metal, except copper and aluminum, shaping	<1	262	284	1,178
Secondary processing of other nonferrous metals	<1	6	9	62
Ferrous metal foundries	<1	68	77	265
Nonferrous metal foundries	<1	504	549	1,639
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	302	380	1,237
Iron and steel forging	<1	250	330	1,284
Nonferrous forging	<1	16	20	67
Cutlery, utensil, pot, and pan manufacturing	<1	22	43	166
Handtool manufacturing	<1	688	1,037	2,598
Prefabricated metal buildings and components manufacturing	<1	256	362	1,186

Appendix

Fabricated structural metal manufacturing	<1	1,252	1,783	6,191
Plate work manufacturing	<1	538	607	1,977
Metal window and door manufacturing	<1	137	184	567
Sheet metal work manufacturing	<1	673	885	3,093
Ornamental and architectural metal work manufacturing	<1	41,986	50,839	142,535
Power boiler and heat exchanger manufacturing	<1	17	23	73
Metal tank (heavy gauge) manufacturing	<1	53	64	212
Metal cans manufacturing	0	-1,078	-1,976	-10,683
Metal barrels, drums and pails manufacturing	<1	4	6	31
Hardware manufacturing	<1	371	527	1,923
Spring and wire product manufacturing	<1	431	548	1,800
Machine shops	<1	3,640	4,219	9,949
Turned product and screw, nut, and bolt manufacturing	<1	516	642	1,998
Metal heat treating	<1	378	478	1,215
Metal coating and nonprecious engraving	<1	514	838	2,520
Electroplating, anodizing, and coloring metal	<1	616	667	1,560
Valve and fittings, other than plumbing, manufacturing	<1	444	633	2,453
Plumbing fixture fitting and trim manufacturing	<1	320	677	2,541
Ball and roller bearing manufacturing	<1	1,743	2,632	7,715
Small arms ammunition manufacturing	<1	13	28	94
Ammunition, except for small arms, manufacturing	<1	6	7	17
Small arms, ordnance, and accessories manufacturing	<1	1,261	2,393	6,659
Fabricated pipe and pipe fitting manufacturing	<1	114	138	404
Other fabricated metal manufacturing	<1	1,863	2,384	7,562
Farm machinery and equipment manufacturing	<1	43	70	357
Lawn and garden equipment manufacturing	<1	166	264	1,613
Construction machinery manufacturing	<1	113	221	861
Mining machinery and equipment manufacturing	<1	7	9	34

Appendix

Oil and gas field machinery and equipment manufacturing	<1	11	13	44
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	3
Sawmill, woodworking, and paper machinery	<1	10	11	29
Printing machinery and equipment manufacturing	<1	6	7	25
All other industrial machinery manufacturing	<1	36	43	135
Optical instrument and lens manufacturing	<1	14	17	55
Photographic and photocopying equipment manufacturing	<1	3	4	15
Other commercial service industry machinery manufacturing	<1	43	59	240
Air purification and ventilation equipment manufacturing	<1	92	111	368
Heating equipment (except warm air furnaces) manufacturing	<1	142	196	757
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	932	1,354	4,966
Industrial mold manufacturing	<1	51	57	126
Special tool, die, jig, and fixture manufacturing	<1	26	31	68
Cutting tool and machine tool accessory manufacturing	<1	201	222	576
Machine tool manufacturing	<1	42	50	178
Rolling mill and other metalworking machinery manufacturing	<1	46	56	123
Turbine and turbine generator set units manufacturing	<1	82	88	267
Speed changer, industrial high-speed drive, and gear manufacturing	<1	384	483	1,288
Mechanical power transmission equipment manufacturing	<1	36	45	132
Other engine equipment manufacturing	<1	1,254	2,227	11,060
Pump and pumping equipment manufacturing	<1	8	11	38
Air and gas compressor manufacturing	<1	2	3	8
Elevator and moving stairway manufacturing	<1	8	10	34

## Appendix

Conveyor and conveying equipment manufacturing	<1	7	8	23
Overhead cranes, hoists, and monorail systems manufacturing	<1	14	20	81
Industrial truck, trailer, and stacker manufacturing	<1	53	74	286
Power-driven handtool manufacturing	<1	414	894	2,681
Welding and soldering equipment manufacturing	<1	11	15	49
Packaging machinery manufacturing	<1	42	54	160
Industrial process furnace and oven manufacturing	<1	8	10	32
Fluid power cylinder and actuator manufacturing	<1	47	59	172
Fluid power pump and motor manufacturing	<1	165	231	898
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	51	59	196
Electronic computer manufacturing	<1	24	34	179
Computer storage device manufacturing	<1	<1	1	5
Computer terminals and other computer peripheral equipment manufacturing	<1	125	168	472
Telephone apparatus manufacturing	<1	4	6	21
Broadcast and wireless communications equipment manufacturing	<1	10	12	42
Other communications equipment manufacturing	<1	141	209	674
Audio and video equipment manufacturing	<1	1,298	2,418	12,783
Printed circuit assembly (electronic assembly) manufacturing	<1	96	143	740
Bare printed circuit board manufacturing	<1	9	10	31
Semiconductor and related device manufacturing	<1	30	45	139
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	772	929	2,665
Electronic connector manufacturing	<1	32	42	143
Other electronic component manufacturing	<1	118	143	501



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	40	58	185
Search, detection, and navigation instruments manufacturing	<1	3	4	11
Automatic environmental control manufacturing	<1	128	164	554
Industrial process variable instruments manufacturing	<1	25	33	110
Totalizing fluid meter and counting device manufacturing	<1	193	345	954
Electricity and signal testing instruments manufacturing	<1	79	94	352
Analytical laboratory instrument manufacturing	<1	43,290	65,753	217,283
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	2	2	8
Blank magnetic and optical recording media manufacturing	<1	111	322	1,540
Software and other prerecorded and record reproducing	<1	67	90	245
Electric lamp bulb and part manufacturing	<1	47	71	172
Lighting fixture manufacturing	<1	343	435	1,457
Small electrical appliance manufacturing	<1	23	46	170
Household cooking appliance manufacturing	<1	741	1,605	6,698
Household refrigerator and home freezer manufacturing	<1	900	1,816	6,979
Household laundry equipment manufacturing	<1	2,777	4,340	20,464
Other major household appliance manufacturing	<1	369	850	2,943
Power, distribution, and specialty transformer manufacturing	<1	8	10	29
Motor and generator manufacturing	<1	291	496	1,875
Switchgear and switchboard apparatus manufacturing	<1	458	764	2,532
Relay and industrial control manufacturing	<1	905	1,163	3,578
Storage battery manufacturing	<1	729	1,098	3,471
Primary battery manufacturing	<1	123	108	535
Fiber optic cable manufacturing	<1	1,971	2,785	11,718

Appendix

Other communication and energy wire manufacturing	<1	40	66	295
Wiring device manufacturing	<1	605	1,108	2,869
Carbon and graphite product manufacturing	<1	2,084	2,996	9,738
All other miscellaneous electrical equipment and component manufacturing	<1	25	28	99
Automobile manufacturing	<1	5,532	12,575	83,069
Light truck and utility vehicle manufacturing	<1	1,020	2,323	22,455
Heavy duty truck manufacturing	<1	9	16	85
Motor vehicle body manufacturing	<1	61	73	363
Truck trailer manufacturing	<1	2	2	10
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	5,263	5,903	24,947
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,240	3,047	16,071
Motor vehicle electrical and electronic equipment manufacturing	<1	3,299	3,896	17,663
Motor vehicle transmission and power train parts manufacturing	<1	6,519	8,387	49,243
Motor vehicle seating and interior trim manufacturing	<1	1,314	1,451	8,592
Motor vehicle metal stamping	<1	4,705	5,433	21,152
Other motor vehicle parts manufacturing	<1	6,613	8,037	43,253
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	6,190	7,976	35,485
Aircraft manufacturing	<1	27	45	111
Aircraft engine and engine parts manufacturing	<1	26	67	144
Other aircraft parts and auxiliary equipment manufacturing	<1	30	43	83
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	19	21	84
Ship building and repairing	<1	71	104	206
Boat building	<1	3,077	4,823	14,509
Motorcycle, bicycle, and parts manufacturing	<1	54	199	500

Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	757	1,819	5,782
All other transportation equipment manufacturing	<1	1,725	3,835	13,367
Wood kitchen cabinet and countertop manufacturing	<1	678	1,592	3,123
Upholstered household furniture manufacturing	<1	71	103	320
Nonupholstered wood household furniture manufacturing	<1	28	49	111
Other household nonupholstered furniture manufacturing	<1	189	700	1,440
Institutional furniture manufacturing	<1	6	7	21
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	12	12	41
Office furniture, except wood, manufacturing	<1	10	44	87
Showcase, partition, shelving, and locker manufacturing	<1	95	261	538
Mattress manufacturing	<1	323	1,410	3,680
Blind and shade manufacturing	<1	28	28	96
Surgical and medical instrument manufacturing	<1	533	906	1,955
Surgical appliance and supplies manufacturing	<1	364	793	1,669
Dental equipment and supplies manufacturing	<1	10	17	31
Ophthalmic goods manufacturing	<1	27	59	113
Dental laboratories	<1	148	174	343
Jewelry and silverware manufacturing	<1	296	577	1,702
Sporting and athletic goods manufacturing	<1	475	757	2,162
Doll, toy, and game manufacturing	<1	63	137	447
Office supplies (except paper) manufacturing	<1	204	340	980
Sign manufacturing	<1	2,092	2,028	5,221
Gasket, packing, and sealing device manufacturing	<1	333	391	913
Musical instrument manufacturing	<1	21	24	59
Fasteners, buttons, needles, and pins manufacturing	<1	12	15	41

Appendix

Broom, brush, and mop manufacturing	<1	288	448	1,128
Burial casket manufacturing	<1	38	60	109
All other miscellaneous manufacturing	<1	1,533	2,327	5,950
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,115	11,561	27,348
Wholesale - Professional and commercial equipment and supplies	<1	35,417	58,783	105,147
Wholesale - Household appliances and electrical and electronic goods	<1	11,993	31,005	69,724
Wholesale - Machinery, equipment, and supplies	<1	13,829	27,552	50,899
Wholesale - Other durable goods merchant wholesalers	<1	32,748	65,532	139,327
Wholesale - Drugs and druggistsâ€™ sundries	<1	14,140	36,132	81,686
Wholesale - Grocery and related product wholesalers	<1	24,053	37,594	76,849
Wholesale - Petroleum and petroleum products	<1	3,636	85,853	98,706
Wholesale - Other nondurable goods merchant wholesalers	<1	39,727	104,834	199,693
Wholesale - Wholesale electronic markets and agents and brokers	<1	40,271	46,384	54,761
Retail - Motor vehicle and parts dealers	<1	44,738	63,801	90,848
Retail - Furniture and home furnishings stores	<1	18,074	25,834	45,688
Retail - Electronics and appliance stores	<1	18,587	16,900	29,243
Retail - Building material and garden equipment and supplies stores	<1	26,223	51,686	74,114
Retail - Food and beverage stores	2	64,461	95,149	164,180
Retail - Health and personal care stores	<1	37,401	48,983	75,688
Retail - Gasoline stores	<1	19,719	49,226	99,413
Retail - Clothing and clothing accessories stores	<1	23,199	41,800	93,324
Retail - Sporting goods, hobby, musical instrument and book stores	<1	18,109	24,595	42,146
Retail - General merchandise stores	2	59,705	97,934	166,629
Retail - Miscellaneous store retailers	1	38,626	40,273	69,301
Retail - Nonstore retailers	1	31,162	184,593	309,157
Air transportation	<1	6,802	27,496	51,414

Appendix

Rail transportation	<1	4,531	11,476	21,359
Water transportation	<1	3,334	5,655	25,043
Truck transportation	1	73,251	109,396	241,375
Transit and ground passenger transportation	<1	9,719	17,812	33,576
Pipeline transportation	<1	1,524	5,133	8,238
Scenic and sightseeing transportation and support activities for transportation	<1	61,363	54,503	83,915
Couriers and messengers	1	30,763	69,300	85,648
Warehousing and storage	1	69,100	73,897	140,034
Newspaper publishers	<1	4,900	7,112	11,811
Periodical publishers	<1	2,647	3,374	6,515
Book publishers	<1	5,811	12,676	32,560
Directory, mailing list, and other publishers	<1	1,642	3,253	6,955
Greeting card publishing	0	0	0	0
Software publishers	<1	114,810	194,218	273,086
Motion picture and video industries	<1	7,450	11,758	30,521
Sound recording industries	<1	1,442	9,363	17,458
Radio and television broadcasting	<1	109,867	111,514	187,260
Cable and other subscription programming	<1	11,480	18,610	56,323
Wired telecommunications carriers	<1	34,101	60,874	144,314
Wireless telecommunications carriers (except satellite)	<1	7,817	39,359	148,068
Satellite, telecommunications resellers, and all other telecommunications	<1	7,981	9,496	24,361
Data processing, hosting, and related services	<1	38,986	63,136	219,968
News syndicates, libraries, archives and all other information services	<1	3,210	4,289	12,321
Internet publishing and broadcasting and web search portals	<1	93,471	183,052	891,816
Nondepository credit intermediation and related activities	<1	95,775	100,394	150,594
Securities and commodity contracts intermediation and brokerage	1	55,120	41,038	117,750
Monetary authorities and depository credit intermediation	2	216,847	320,155	614,924

Appendix

Other financial investment activities	<1	36,885	43,281	143,332
Direct life insurance carriers	<1	17,388	35,789	55,259
Insurance carriers, except direct life	<1	58,048	190,710	463,562
Insurance agencies, brokerages, and related activities	<1	71,719	116,644	287,472
Funds, trusts, and other financial vehicles	<1	12,142	17,348	86,351
Other real estate	8	172,616	628,314	1,625,077
Tenant-occupied housing	<1	12,380	170,018	184,487
Owner-occupied dwellings	0	0	1,078,216	1,301,228
Automotive equipment rental and leasing	<1	10,816	46,464	58,993
General and consumer goods rental except video tapes and discs	<1	13,864	27,362	40,217
Video tape and disc rental	<1	3,029	5,521	9,133
Commercial and industrial machinery and equipment rental and leasing	<1	18,949	64,739	78,688
Lessors of nonfinancial intangible assets	<1	1,486	52,854	56,437
Legal services	3	231,964	368,083	542,111
Accounting, tax preparation, bookkeeping, and payroll services	1	80,626	95,035	161,017
Architectural, engineering, and related services	1	89,934	95,702	180,197
Specialized design services	<1	10,343	15,141	30,553
Custom computer programming services	<1	50,368	51,157	74,493
Computer systems design services	<1	44,301	39,353	52,497
Other computer related services, including facilities management	<1	36,065	41,509	87,226
Management consulting services	19	1,686,668	1,724,631	2,941,913
Environmental and other technical consulting services	<1	33,466	36,024	60,525
Scientific research and development services	34	3,051,097	3,915,951	7,987,561
Advertising, public relations, and related services	<1	60,003	84,571	209,039
Photographic services	<1	2,230	4,551	12,734
Veterinary services	<1	13,628	14,770	23,654
Marketing research and all other miscellaneous professional, scientific, and technical services	1	105,327	150,861	364,511
Management of companies and enterprises	3	291,272	316,551	561,311

Appendix

Office administrative services	1	74,834	19,514	77,493
Facilities support services	<1	11,888	15,362	44,149
Employment services	8	313,803	413,508	793,668
Business support services	1	60,257	49,850	100,315
Travel arrangement and reservation services	<1	10,739	15,960	61,530
Investigation and security services	<1	38,178	38,633	58,880
Services to buildings	1	46,470	61,933	146,023
Landscape and horticultural services	<1	29,777	35,289	73,304
Other support services	<1	13,124	16,221	37,963
Waste management and remediation services	<1	33,626	50,998	101,383
Elementary and secondary schools	<1	34,443	27,573	34,728
Junior colleges, colleges, universities, and professional schools	1	49,407	61,271	88,709
Other educational services	<1	14,375	15,973	33,415
Offices of physicians	2	210,213	212,502	302,950
Offices of dentists	<1	50,011	63,143	84,568
Offices of other health practitioners	<1	29,968	50,530	64,129
Outpatient care centers	<1	25,698	25,646	42,621
Medical and diagnostic laboratories	<1	13,146	24,056	31,979
Home health care services	<1	26,059	26,207	35,088
Other ambulatory health care services	<1	10,574	13,150	20,554
Hospitals	2	135,159	165,862	314,070
Nursing and community care facilities	<1	42,333	49,047	79,042
Residential mental retardation, mental health, substance abuse and other facilities	<1	14,978	16,035	24,562
Individual and family services	2	48,429	42,315	63,117
Child day care services	<1	19,586	28,601	38,818
Community food, housing, and other relief services, including rehabilitation services	<1	11,289	10,613	24,614
Performing arts companies	<1	6,223	10,107	24,520
Commercial Sports Except Racing	<1	8,269	6,789	15,410
Racing and Track Operation	<1	618	833	1,717
Independent artists, writers, and performers	<1	9,597	22,126	42,799

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	8,956	18,777	60,492
Museums, historical sites, zoos, and parks	<1	2,210	2,569	5,230
Amusement parks and arcades	<1	741	1,380	1,773
Gambling industries (except casino hotels)	<1	9,294	33,489	44,677
Other amusement and recreation industries	<1	14,145	15,679	22,800
Fitness and recreational sports centers	<1	6,017	8,166	14,702
Bowling centers	<1	1,308	2,139	3,350
Hotels and motels, including casino hotels	<1	14,229	35,445	50,576
Other accommodations	<1	3,453	4,389	5,833
Full-service restaurants	5	135,123	207,581	411,428
Limited-service restaurants	4	92,802	149,059	365,990
All other food and drinking places	3	87,467	138,006	217,860
Automotive repair and maintenance, except car washes	1	70,924	86,535	125,880
Car washes	<1	38,677	56,113	84,315
Electronic and precision equipment repair and maintenance	<1	16,857	24,051	40,013
Commercial and industrial machinery and equipment repair and maintenance	<1	29,084	34,077	54,448
Personal and household goods repair and maintenance	<1	8,239	20,688	28,417
Personal care services	<1	15,970	14,286	16,882
Death care services	<1	8,091	7,632	10,336
Dry-cleaning and laundry services	<1	9,803	8,866	11,010
Other personal services	<1	19,002	24,992	36,752
Religious organizations	<1	34,074	28,096	67,467
Grantmaking, giving, and social advocacy organizations	<1	9,952	40,412	57,008
Business and professional associations	<1	14,920	28,892	47,755
Labor and civic organizations	<1	10,509	40,180	61,003
Private households	<1	10,408	10,408	10,408
Postal service	<1	49,229	49,467	49,485
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,487	1,099	4,905
State government passenger transit	<1	6,373	2,883	6,038



## Appendix

State government electric utilities	1	149,448	431,069	765,057
Other state government enterprises	<1	2,365	4,033	6,548
Local government passenger transit	<1	4,876	1,384	3,711
Local government electric utilities	<1	1,419	4,691	9,797
Other local government enterprises	<1	39,182	96,957	218,466
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	17	3,059,108	4,452,292	8,147,588

## Moon to Mars Campaign

**Table 746: Detailed M2M Campaign Impacts by Types of Impact, South Carolina**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>12</i>	<i>997,094</i>	<i>1,661,962</i>	<i>3,343,080</i>
Oilseed farming	<1	150	460	1,101
Grain farming	<1	190	291	1,747
Vegetable and melon farming	<1	158	266	771
Fruit farming	<1	132	201	436
Tree nut farming	<1	8	15	35
Greenhouse, nursery, and floriculture production	<1	59	103	350
Tobacco farming	<1	12	15	57

## Appendix

Cotton farming	<1	12	19	63
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	85	132	455
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	34	73	270
Dairy cattle and milk production	<1	10	19	133
Poultry and egg production	<1	50	101	1,794
Animal production, except cattle and poultry and eggs	<1	137	412	720
Forestry, forest products, and timber tract production	<1	29	33	47
Commercial logging	<1	133	158	251
Commercial fishing	<1	10	74	74
Commercial hunting and trapping	<1	21	61	80
Support activities for agriculture and forestry	<1	708	735	820
Oil and gas extraction	<1	1	3	1,941
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	80	265	533
Silver ore mining	<1	12	26	56
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	72	275	443
Sand and gravel mining	<1	25	47	89
Other clay, ceramic, refractory minerals mining	<1	5	10	19
Potash, soda, and borate mineral mining	<1	7	10	20
Phosphate rock mining	<1	2	4	8
Other chemical and fertilizer mineral mining	<1	1	2	4
Other nonmetallic minerals	<1	13	25	49
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	40
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	46	137	254

Appendix

Electric power generation - Fossil fuel	<1	614	2,917	6,842
Electric power generation - Nuclear	<1	1,106	2,856	5,653
Electric power generation - Solar	<1	28	85	172
Electric power generation - Wind	<1	<1	10	17
Electric power generation - Geothermal	<1	3	7	14
Electric power generation - Biomass	<1	9	37	97
Electric power generation - All other	<1	14	2	8
Electric power transmission and distribution	<1	1,423	6,780	15,846
Natural gas distribution	<1	283	1,355	2,609
Water, sewage and other systems	<1	173	454	807
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,071	3,637	8,628
Maintenance and repair construction of residential structures	<1	1,033	1,677	3,891
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	<1	104	259	1,103
Other animal food manufacturing	<1	21	53	411
Flour milling	<1	29	57	467

Appendix

Rice milling	<1	5	7	52
Malt manufacturing	0	0	0	0
Wet corn milling	<1	66	159	1,386
Soybean and other oilseed processing	<1	6	31	317
Fats and oils refining and blending	<1	<1	1	20
Breakfast cereal manufacturing	<1	19	42	264
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	4	9	46
Nonchocolate confectionery manufacturing	<1	24	32	166
Chocolate and confectionery manufacturing from cacao beans	<1	1	2	14
Confectionery manufacturing from purchased chocolate	<1	<1	<1	11
Frozen fruits, juices and vegetables manufacturing	<1	82	158	695
Frozen specialties manufacturing	<1	161	207	1,011
Canned fruits and vegetables manufacturing	<1	34	59	270
Canned specialties	<1	4	9	49
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	21	29	319
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	45	70	453
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2	2	21
Frozen cakes and other pastries manufacturing	<1	79	119	235
Poultry processing	<1	417	526	2,705
Animal, except poultry, slaughtering	<1	142	180	1,441
Meat processed from carcasses	<1	131	137	1,295
Rendering and meat byproduct processing	<1	7	8	47
Seafood product preparation and packaging	<1	2	3	15
Bread and bakery product, except frozen, manufacturing	<1	248	355	927
Cookie and cracker manufacturing	<1	21	29	118
Dry pasta, mixes, and dough manufacturing	<1	35	69	298
Tortilla manufacturing	<1	<1	<1	4

## Appendix

Roasted nuts and peanut butter manufacturing	<1	17	24	128
Other snack food manufacturing	<1	19	32	160
Coffee and tea manufacturing	<1	29	50	273
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	15	26	154
Spice and extract manufacturing	<1	19	31	166
All other food manufacturing	<1	66	91	514
Bottled and canned soft drinks & water	<1	133	219	1,139
Manufactured ice	<1	15	10	42
Breweries	<1	76	179	514
Wineries	<1	25	42	141
Distilleries	<1	30	192	366
Tobacco product manufacturing	<1	6	308	424
Fiber, yarn, and thread mills	<1	87	120	504
Broadwoven fabric mills	<1	140	219	794
Narrow fabric mills and schiffli machine embroidery	<1	22	25	78
Nonwoven fabric mills	<1	277	507	1,588
Knit fabric mills	<1	16	22	65
Textile and fabric finishing mills	<1	53	73	276
Fabric coating mills	<1	14	19	74
Carpet and rug mills	<1	83	133	427
Curtain and linen mills	<1	8	10	33
Textile bag and canvas mills	<1	16	23	72
Rope, cordage, twine, tire cord and tire fabric mills	<1	6	11	25
Other textile product mills	<1	149	186	469
Hosiery and sock mills	<1	1	3	5
Other apparel knitting mills	<1	1	3	6
Cut and sew apparel contractors	<1	11	20	35
Men's and boys' cut and sew apparel manufacturing	<1	5	14	25
Women's and girls' cut and sew apparel manufacturing	<1	5	32	53
Other cut and sew apparel manufacturing	<1	2	10	17
Apparel accessories and other apparel manufacturing	<1	4	22	31
Leather and hide tanning and finishing	<1	0	2	3
Footwear manufacturing	<1	<1	1	2
Other leather and allied product manufacturing	<1	3	6	11

## Appendix

Sawmills	<1	124	189	695
Wood preservation	<1	15	33	172
Veneer and plywood manufacturing	<1	43	61	224
Engineered wood member and truss manufacturing	<1	53	74	242
Reconstituted wood product manufacturing	<1	34	80	319
Wood windows and door manufacturing	<1	183	220	675
Cut stock, resawing lumber, and planing	<1	8	14	58
Other millwork, including flooring	<1	106	144	516
Wood container and pallet manufacturing	<1	65	80	290
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	13	19	59
All other miscellaneous wood product manufacturing	<1	62	73	232
Pulp mills	<1	<1	<1	3
Paper mills	<1	209	492	1,476
Paperboard mills	<1	275	634	2,220
Paperboard container manufacturing	<1	525	898	3,254
Paper bag and coated and treated paper manufacturing	<1	340	581	1,511
Stationery product manufacturing	<1	22	30	83
Sanitary paper product manufacturing	<1	205	753	2,044
All other converted paper product manufacturing	<1	315	586	1,594
Printing	<1	4,093	6,483	13,071
Support activities for printing	<1	223	349	519
Petroleum refineries	<1	6	121	534
Asphalt paving mixture and block manufacturing	<1	23	47	172
Asphalt shingle and coating materials manufacturing	<1	11	74	127
Petroleum lubricating oil and grease manufacturing	<1	94	459	944
All other petroleum and coal products manufacturing	<1	12	66	121
Petrochemical manufacturing	<1	35	353	1,538
Industrial gas manufacturing	<1	75	188	650

## Appendix

Synthetic dye and pigment manufacturing	<1	49	85	277
Other basic inorganic chemical manufacturing	<1	74	146	480
Other basic organic chemical manufacturing	<1	128	276	2,242
Plastics material and resin manufacturing	<1	146	252	1,960
Synthetic rubber manufacturing	<1	3	5	33
Artificial and synthetic fibers and filaments manufacturing	<1	383	534	2,931
Nitrogenous fertilizer manufacturing	<1	10	31	138
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	5	9	34
Pesticide and other agricultural chemical manufacturing	<1	38	112	363
Medicinal and botanical manufacturing	<1	6	8	29
Pharmaceutical preparation manufacturing	<1	440	1,074	3,910
In-vitro diagnostic substance manufacturing	<1	<1	<1	1
Biological product (except diagnostic) manufacturing	<1	7	17	33
Paint and coating manufacturing	<1	37	67	316
Adhesive manufacturing	<1	37	54	238
Soap and other detergent manufacturing	<1	69	160	628
Polish and other sanitation good manufacturing	<1	107	159	509
Surface active agent manufacturing	<1	51	164	537
Toilet preparation manufacturing	<1	3	7	21
Printing ink manufacturing	<1	135	141	650
Explosives manufacturing	<1	2	2	6
Custom compounding of purchased resins	<1	126	243	1,028
Photographic film and chemical manufacturing	<1	165	304	799
Other miscellaneous chemical product manufacturing	<1	181	260	1,123
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	306	594	1,826
Unlaminated plastics profile shape manufacturing	<1	118	342	796
Plastics pipe and pipe fitting manufacturing	<1	17	64	205

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	13	28	83
Polystyrene foam product manufacturing	<1	34	75	265
Urethane and other foam product (except polystyrene) manufacturing	<1	32	67	222
Plastics bottle manufacturing	<1	13	25	95
Other plastics product manufacturing	<1	657	1,177	3,404
Tire manufacturing	<1	600	878	2,845
Rubber and plastics hoses and belting manufacturing	<1	34	64	199
Other rubber product manufacturing	<1	53	76	265
Pottery, ceramics, and plumbing fixture manufacturing	<1	18	30	62
Brick, tile, and other structural clay product manufacturing	<1	26	44	111
Flat glass manufacturing	<1	12	22	54
Other pressed and blown glass and glassware manufacturing	<1	128	217	497
Glass container manufacturing	<1	1	2	6
Glass product manufacturing made of purchased glass	<1	15	27	61
Cement manufacturing	<1	34	76	205
Ready-mix concrete manufacturing	<1	131	213	716
Concrete block and brick manufacturing	<1	34	60	162
Concrete pipe manufacturing	<1	8	14	45
Other concrete product manufacturing	<1	66	98	248
Lime manufacturing	<1	8	18	56
Gypsum product manufacturing	<1	10	29	83
Abrasive product manufacturing	<1	11	24	47
Cut stone and stone product manufacturing	<1	33	44	108
Ground or treated mineral and earth manufacturing	<1	2	5	12
Mineral wool manufacturing	<1	4	11	22
Miscellaneous nonmetallic mineral products manufacturing	<1	10	21	43
Iron and steel mills and ferroalloy manufacturing	<1	305	496	3,593
Iron, steel pipe and tube manufacturing from purchased steel	<1	4	6	44



## Appendix

Rolled steel shape manufacturing	<1	37	71	469
Steel wire drawing	<1	20	27	167
Alumina refining and primary aluminum production	<1	35	45	313
Secondary smelting and alloying of aluminum	<1	13	19	238
Aluminum sheet, plate, and foil manufacturing	<1	85	124	675
Other aluminum rolling, drawing and extruding	<1	4	5	28
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	2	15
Copper rolling, drawing, extruding and alloying	<1	95	136	1,548
Nonferrous metal, except copper and aluminum, shaping	<1	10	11	46
Secondary processing of other nonferrous metals	<1	<1	<1	4
Ferrous metal foundries	<1	5	5	19
Nonferrous metal foundries	<1	41	45	133
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	30	38	121
Iron and steel forging	<1	18	24	92
Nonferrous forging	<1	1	1	5
Cutlery, utensil, pot, and pan manufacturing	<1	2	5	18
Handtool manufacturing	<1	88	134	331
Prefabricated metal buildings and components manufacturing	<1	17	24	79
Fabricated structural metal manufacturing	<1	73	104	361
Plate work manufacturing	<1	35	40	129
Metal window and door manufacturing	<1	12	16	48
Sheet metal work manufacturing	<1	106	138	477
Ornamental and architectural metal work manufacturing	<1	16	19	54
Power boiler and heat exchanger manufacturing	<1	1	2	5
Metal tank (heavy gauge) manufacturing	<1	7	9	29
Metal cans manufacturing	<1	10	18	97
Metal barrels, drums and pails manufacturing	<1	3	4	17
Hardware manufacturing	<1	26	36	130
Spring and wire product manufacturing	<1	28	35	116

Appendix

Machine shops	<1	329	380	893
Turned product and screw, nut, and bolt manufacturing	<1	82	102	318
Metal heat treating	<1	106	134	343
Metal coating and nonprecious engraving	<1	89	144	430
Electroplating, anodizing, and coloring metal	<1	109	118	277
Valve and fittings, other than plumbing, manufacturing	<1	44	62	242
Plumbing fixture fitting and trim manufacturing	<1	22	45	175
Ball and roller bearing manufacturing	<1	199	300	874
Small arms ammunition manufacturing	<1	<1	2	6
Ammunition, except for small arms, manufacturing	<1	<1	<1	1
Small arms, ordnance, and accessories manufacturing	<1	85	159	429
Fabricated pipe and pipe fitting manufacturing	<1	7	9	26
Other fabricated metal manufacturing	<1	208	265	830
Farm machinery and equipment manufacturing	<1	2	3	16
Lawn and garden equipment manufacturing	<1	11	18	105
Construction machinery manufacturing	<1	5	11	41
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	2
Printing machinery and equipment manufacturing	<1	<1	<1	3
All other industrial machinery manufacturing	<1	3	4	13
Optical instrument and lens manufacturing	<1	<1	1	4
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	5	7	28

## Appendix

Air purification and ventilation equipment manufacturing	<1	6	8	25
Heating equipment (except warm air furnaces) manufacturing	<1	10	14	51
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	65	94	339
Industrial mold manufacturing	<1	3	4	9
Special tool, die, jig, and fixture manufacturing	<1	2	3	7
Cutting tool and machine tool accessory manufacturing	<1	23	26	66
Machine tool manufacturing	<1	4	5	19
Rolling mill and other metalworking machinery manufacturing	<1	5	6	13
Turbine and turbine generator set units manufacturing	<1	4	5	14
Speed changer, industrial high-speed drive, and gear manufacturing	<1	31	39	101
Mechanical power transmission equipment manufacturing	<1	2	3	8
Other engine equipment manufacturing	<1	77	140	676
Pump and pumping equipment manufacturing	<1	<1	1	4
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	3
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	7
Industrial truck, trailer, and stacker manufacturing	<1	4	6	23
Power-driven handtool manufacturing	<1	45	92	279
Welding and soldering equipment manufacturing	<1	1	2	5
Packaging machinery manufacturing	<1	4	5	15
Industrial process furnace and oven manufacturing	<1	<1	<1	3
Fluid power cylinder and actuator manufacturing	<1	4	6	16
Fluid power pump and motor manufacturing	<1	12	18	71

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	6	7	22
Electronic computer manufacturing	<1	3	4	19
Computer storage device manufacturing	<1	0	<1	<1
Computer terminals and other computer peripheral equipment manufacturing	<1	14	20	55
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	1	2	6
Other communications equipment manufacturing	<1	29	42	137
Audio and video equipment manufacturing	<1	2	3	21
Printed circuit assembly (electronic assembly) manufacturing	<1	18	27	142
Bare printed circuit board manufacturing	<1	2	3	8
Semiconductor and related device manufacturing	<1	2	3	11
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	165	200	567
Electronic connector manufacturing	<1	3	4	14
Other electronic component manufacturing	<1	19	23	79
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	5	15
Search, detection, and navigation instruments manufacturing	<1	<1	<1	2
Automatic environmental control manufacturing	<1	11	16	52
Industrial process variable instruments manufacturing	<1	4	5	16
Totalizing fluid meter and counting device manufacturing	<1	13	24	64
Electricity and signal testing instruments manufacturing	<1	31	37	133
Analytical laboratory instrument manufacturing	<1	13,510	20,767	67,461
Irradiation apparatus manufacturing	0	0	0	0

Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	<1	28	77	361
Software and other prerecorded and record reproducing	<1	9	12	31
Electric lamp bulb and part manufacturing	<1	3	5	12
Lighting fixture manufacturing	<1	27	35	113
Small electrical appliance manufacturing	<1	1	3	12
Household cooking appliance manufacturing	<1	43	99	394
Household refrigerator and home freezer manufacturing	<1	53	111	408
Household laundry equipment manufacturing	<1	160	257	1,175
Other major household appliance manufacturing	<1	23	54	179
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	3
Motor and generator manufacturing	<1	33	57	214
Switchgear and switchboard apparatus manufacturing	<1	41	69	226
Relay and industrial control manufacturing	<1	177	224	691
Storage battery manufacturing	<1	52	76	238
Primary battery manufacturing	<1	10	9	41
Fiber optic cable manufacturing	<1	181	252	1,038
Other communication and energy wire manufacturing	<1	4	8	34
Wiring device manufacturing	<1	71	135	342
Carbon and graphite product manufacturing	<1	120	170	556
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	7
Automobile manufacturing	<1	344	746	4,862
Light truck and utility vehicle manufacturing	<1	62	136	1,284
Heavy duty truck manufacturing	<1	<1	<1	5
Motor vehicle body manufacturing	<1	4	4	22
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	278	310	1,317

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	141	192	1,011
Motor vehicle electrical and electronic equipment manufacturing	<1	216	257	1,118
Motor vehicle transmission and power train parts manufacturing	<1	541	684	3,865
Motor vehicle seating and interior trim manufacturing	<1	72	80	465
Motor vehicle metal stamping	<1	201	237	908
Other motor vehicle parts manufacturing	<1	432	518	2,802
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	363	475	2,113
Aircraft manufacturing	<1	2	3	7
Aircraft engine and engine parts manufacturing	<1	<1	4	8
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	7
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	3	11
Ship building and repairing	<1	6	8	16
Boat building	<1	165	255	773
Motorcycle, bicycle, and parts manufacturing	<1	3	10	26
Military armored vehicle, tank, and tank component manufacturing	<1	32	72	226
All other transportation equipment manufacturing	<1	85	182	640
Wood kitchen cabinet and countertop manufacturing	<1	48	109	214
Upholstered household furniture manufacturing	<1	5	8	24
Nonupholstered wood household furniture manufacturing	<1	2	3	7
Other household nonupholstered furniture manufacturing	<1	13	47	94
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	0	0	<1

Appendix

Custom architectural woodwork and millwork	<1	1	1	5
Office furniture, except wood, manufacturing	<1	2	6	13
Showcase, partition, shelving, and locker manufacturing	<1	9	24	49
Mattress manufacturing	<1	21	91	237
Blind and shade manufacturing	<1	2	2	6
Surgical and medical instrument manufacturing	<1	56	95	199
Surgical appliance and supplies manufacturing	<1	26	57	117
Dental equipment and supplies manufacturing	<1	<1	1	2
Ophthalmic goods manufacturing	<1	2	4	7
Dental laboratories	<1	11	13	25
Jewelry and silverware manufacturing	<1	19	38	110
Sporting and athletic goods manufacturing	<1	31	49	136
Doll, toy, and game manufacturing	<1	6	14	44
Office supplies (except paper) manufacturing	<1	19	32	89
Sign manufacturing	<1	309	302	767
Gasket, packing, and sealing device manufacturing	<1	21	24	56
Musical instrument manufacturing	<1	2	2	6
Fasteners, buttons, needles, and pins manufacturing	<1	<1	<1	3
Broom, brush, and mop manufacturing	<1	28	48	111
Burial casket manufacturing	<1	2	3	5
All other miscellaneous manufacturing	<1	97	147	370
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	360	818	1,943
Wholesale - Professional and commercial equipment and supplies	<1	3,293	5,496	9,764
Wholesale - Household appliances and electrical and electronic goods	<1	1,417	3,678	8,259
Wholesale - Machinery, equipment, and supplies	<1	1,195	2,388	4,409
Wholesale - Other durable goods merchant wholesalers	<1	2,329	4,670	9,931

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	924	2,355	5,273
Wholesale - Grocery and related product wholesalers	<1	1,579	2,460	5,032
Wholesale - Petroleum and petroleum products	<1	230	6,224	7,006
Wholesale - Other nondurable goods merchant wholesalers	<1	3,042	8,320	15,560
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,247	3,727	4,394
Retail - Motor vehicle and parts dealers	<1	2,827	4,048	5,739
Retail - Furniture and home furnishings stores	<1	1,203	1,728	3,038
Retail - Electronics and appliance stores	<1	1,242	1,138	1,936
Retail - Building material and garden equipment and supplies stores	<1	1,720	3,397	4,846
Retail - Food and beverage stores	<1	4,323	6,387	10,952
Retail - Health and personal care stores	<1	2,436	3,198	4,899
Retail - Gasoline stores	<1	1,328	3,248	6,435
Retail - Clothing and clothing accessories stores	<1	1,532	2,753	6,060
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,217	1,654	2,804
Retail - General merchandise stores	<1	3,859	6,360	10,728
Retail - Miscellaneous store retailers	<1	2,567	2,689	4,567
Retail - Nonstore retailers	<1	2,050	12,444	20,838
Air transportation	<1	635	2,579	4,784
Rail transportation	<1	344	825	1,579
Water transportation	<1	230	402	1,675
Truck transportation	<1	6,076	9,032	19,747
Transit and ground passenger transportation	<1	793	1,451	2,593
Pipeline transportation	<1	125	398	643
Scenic and sightseeing transportation and support activities for transportation	<1	4,905	4,303	6,617
Couriers and messengers	<1	4,241	9,462	11,681
Warehousing and storage	<1	6,701	7,194	13,582
Newspaper publishers	<1	785	1,239	1,954
Periodical publishers	<1	496	717	1,260
Book publishers	<1	1,130	2,815	6,772



Appendix

Directory, mailing list, and other publishers	<1	272	568	1,213
Greeting card publishing	0	0	0	0
Software publishers	<1	68,374	126,629	171,826
Motion picture and video industries	<1	813	1,289	3,188
Sound recording industries	<1	174	1,158	2,062
Radio and television broadcasting	<1	17,231	17,677	27,660
Cable and other subscription programming	<1	1,809	3,076	8,840
Wired telecommunications carriers	<1	3,557	6,683	15,476
Wireless telecommunications carriers (except satellite)	<1	568	3,196	11,389
Satellite, telecommunications resellers, and all other telecommunications	<1	1,055	1,251	3,247
Data processing, hosting, and related services	<1	3,401	5,506	18,849
News syndicates, libraries, archives and all other information services	<1	312	420	1,166
Internet publishing and broadcasting and web search portals	<1	30,809	57,484	370,764
Nondepository credit intermediation and related activities	<1	6,604	6,941	10,190
Securities and commodity contracts intermediation and brokerage	<1	3,865	2,800	7,459
Monetary authorities and depository credit intermediation	<1	11,840	18,701	34,663
Other financial investment activities	<1	2,862	3,349	10,143
Direct life insurance carriers	<1	1,040	2,167	3,308
Insurance carriers, except direct life	<1	3,904	12,884	30,683
Insurance agencies, brokerages, and related activities	<1	4,803	7,780	19,031
Funds, trusts, and other financial vehicles	<1	876	1,307	5,805
Other real estate	<1	11,433	40,262	100,597
Tenant-occupied housing	<1	842	11,700	12,617
Owner-occupied dwellings	0	0	71,233	85,967
Automotive equipment rental and leasing	<1	718	3,179	3,954

Appendix

General and consumer goods rental except video tapes and discs	<1	1,151	2,232	3,237
Video tape and disc rental	<1	191	350	580
Commercial and industrial machinery and equipment rental and leasing	<1	3,145	10,743	13,044
Lessors of nonfinancial intangible assets	<1	99	3,799	4,042
Legal services	<1	14,702	23,972	34,790
Accounting, tax preparation, bookkeeping, and payroll services	<1	6,291	7,542	12,531
Architectural, engineering, and related services	<1	4,523	4,848	9,048
Specialized design services	<1	640	957	1,875
Custom computer programming services	<1	13,183	13,351	19,453
Computer systems design services	<1	6,279	5,589	7,397
Other computer related services, including facilities management	<1	4,832	5,535	11,566
Management consulting services	<1	47,762	48,953	81,768
Environmental and other technical consulting services	<1	2,801	3,039	5,030
Scientific research and development services	1	137,370	175,983	350,042
Advertising, public relations, and related services	<1	10,088	14,393	34,824
Photographic services	<1	147	316	847
Veterinary services	<1	894	979	1,545
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	7,714	11,280	26,767
Management of companies and enterprises	<1	21,007	22,977	40,182
Office administrative services	<1	9,144	2,582	9,394
Facilities support services	<1	730	967	2,718
Employment services	<1	27,239	36,636	67,373
Business support services	<1	4,114	3,457	6,713
Travel arrangement and reservation services	<1	654	980	3,604
Investigation and security services	<1	3,273	3,317	4,956
Services to buildings	<1	3,482	4,734	10,799
Landscape and horticultural services	<1	2,207	2,646	5,356
Other support services	<1	1,250	1,562	3,570
Waste management and remediation services	<1	2,016	3,050	6,036

Appendix

Elementary and secondary schools	<1	2,585	2,058	2,569
Junior colleges, colleges, universities, and professional schools	<1	2,444	3,044	4,288
Other educational services	<1	1,046	1,167	2,401
Offices of physicians	<1	13,603	13,780	19,606
Offices of dentists	<1	3,274	4,199	5,586
Offices of other health practitioners	<1	1,886	3,282	4,132
Outpatient care centers	<1	1,745	1,747	2,911
Medical and diagnostic laboratories	<1	875	1,657	2,165
Home health care services	<1	1,762	1,777	2,382
Other ambulatory health care services	<1	692	873	1,353
Hospitals	<1	9,642	11,919	22,581
Nursing and community care facilities	<1	2,976	3,451	5,473
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,130	1,210	1,830
Individual and family services	<1	3,490	3,089	4,554
Child day care services	<1	1,342	2,031	2,713
Community food, housing, and other relief services, including rehabilitation services	<1	868	819	1,854
Performing arts companies	<1	488	784	1,795
Commercial Sports Except Racing	<1	818	702	1,554
Racing and Track Operation	<1	45	59	118
Independent artists, writers, and performers	<1	945	2,104	3,985
Promoters of performing arts and sports and agents for public figures	<1	767	1,544	4,679
Museums, historical sites, zoos, and parks	<1	159	184	366
Amusement parks and arcades	<1	54	100	127
Gambling industries (except casino hotels)	<1	643	2,359	3,108
Other amusement and recreation industries	<1	952	1,062	1,522
Fitness and recreational sports centers	<1	447	614	1,077
Bowling centers	<1	85	141	218
Hotels and motels, including casino hotels	<1	1,144	2,774	3,951
Other accommodations	<1	266	336	443

## Appendix

Full-service restaurants	<1	9,172	14,046	27,613
Limited-service restaurants	<1	6,130	9,808	23,662
All other food and drinking places	<1	5,418	8,461	13,169
Automotive repair and maintenance, except car washes	<1	5,417	6,426	9,330
Car washes	<1	2,702	3,915	5,858
Electronic and precision equipment repair and maintenance	<1	964	1,391	2,276
Commercial and industrial machinery and equipment repair and maintenance	<1	2,632	3,058	4,825
Personal and household goods repair and maintenance	<1	620	1,463	2,025
Personal care services	<1	1,066	864	1,039
Death care services	<1	576	499	685
Dry-cleaning and laundry services	<1	608	502	632
Other personal services	<1	1,242	1,590	2,342
Religious organizations	<1	2,643	1,914	4,937
Grantmaking, giving, and social advocacy organizations	<1	814	2,888	4,149
Business and professional associations	<1	1,027	1,812	3,008
Labor and civic organizations	<1	813	2,721	4,232
Private households	<1	718	718	718
Postal service	<1	5,137	5,163	5,165
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	109	90	369
State government passenger transit	<1	696	178	560
State government electric utilities	<1	47,976	152,116	270,709
Other state government enterprises	<1	103	165	264
Local government passenger transit	<1	347	63	210
Local government electric utilities	<1	88	270	565
Other local government enterprises	<1	2,471	5,153	12,499
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	211,821	331,547	606,724

## Investments in Climate Change Research and Technology

**Table 747: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	7	599,814	843,972	1,674,048
Oilseed farming	<1	47	113	255
Grain farming	<1	123	119	1,066
Vegetable and melon farming	<1	117	182	558
Fruit farming	<1	77	115	264
Tree nut farming	<1	4	7	16
Greenhouse, nursery, and floriculture production	<1	47	74	261
Tobacco farming	<1	3	3	12
Cotton farming	<1	21	31	112
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	90	125	452
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	40	63	291
Dairy cattle and milk production	<1	7	11	89
Poultry and egg production	<1	46	79	1,674
Animal production, except cattle and poultry and eggs	<1	111	255	463
Forestry, forest products, and timber tract production	<1	19	22	32

Appendix

Commercial logging	<1	84	97	166
Commercial fishing	<1	1	48	48
Commercial hunting and trapping	<1	8	49	69
Support activities for agriculture and forestry	<1	593	604	672
Oil and gas extraction	<1	3	4	2,038
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	37	122	256
Silver ore mining	<1	7	16	34
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	45	190	303
Sand and gravel mining	<1	17	32	62
Other clay, ceramic, refractory minerals mining	<1	4	9	16
Potash, soda, and borate mineral mining	<1	5	7	14
Phosphate rock mining	<1	1	2	5
Other chemical and fertilizer mineral mining	<1	<1	1	2
Other nonmetallic minerals	<1	8	16	31
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	<1	<1
Metal mining services	<1	<1	<1	45
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	26	76	142
Electric power generation - Fossil fuel	<1	294	1,629	3,835
Electric power generation - Nuclear	<1	502	1,313	2,665
Electric power generation - Solar	<1	15	46	96
Electric power generation - Wind	<1	1	16	29
Electric power generation - Geothermal	<1	<1	2	4
Electric power generation - Biomass	<1	5	18	45
Electric power generation - All other	<1	8	8	8
Electric power transmission and distribution	<1	831	4,239	10,102

Appendix

Natural gas distribution	<1	161	784	1,554
Water, sewage and other systems	<1	143	399	747
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,230	2,074	5,169
Maintenance and repair construction of residential structures	<1	695	1,078	2,623
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	81	190	863
Other animal food manufacturing	<1	17	40	324
Flour milling	<1	33	60	489
Rice milling	<1	4	6	39
Malt manufacturing	0	0	0	0
Wet corn milling	<1	42	85	918
Soybean and other oilseed processing	<1	3	18	190
Fats and oils refining and blending	<1	<1	<1	12
Breakfast cereal manufacturing	<1	11	23	161
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	2	5	30
Nonchocolate confectionery manufacturing	<1	16	22	120

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	<1	<1	5
Confectionery manufacturing from purchased chocolate	<1	<1	<1	7
Frozen fruits, juices and vegetables manufacturing	<1	61	107	537
Frozen specialties manufacturing	<1	123	158	780
Canned fruits and vegetables manufacturing	<1	20	33	154
Canned specialties	<1	3	6	34
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	10	14	150
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	28	40	274
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1	2	15
Frozen cakes and other pastries manufacturing	<1	61	90	183
Poultry processing	<1	450	529	2,736
Animal, except poultry, slaughtering	<1	155	188	1,452
Meat processed from carcasses	<1	90	92	874
Rendering and meat byproduct processing	<1	6	7	36
Seafood product preparation and packaging	<1	2	2	15
Bread and bakery product, except frozen, manufacturing	<1	193	269	708
Cookie and cracker manufacturing	<1	11	14	66
Dry pasta, mixes, and dough manufacturing	<1	22	41	172
Tortilla manufacturing	<1	<1	<1	4
Roasted nuts and peanut butter manufacturing	<1	11	14	79
Other snack food manufacturing	<1	15	23	122
Coffee and tea manufacturing	<1	23	35	206
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	12	21	121
Spice and extract manufacturing	<1	12	17	95
All other food manufacturing	<1	40	54	308
Bottled and canned soft drinks & water	<1	114	174	932
Manufactured ice	<1	10	6	33



Appendix

Breweries	<1	57	118	354
Wineries	<1	12	19	66
Distilleries	<1	31	149	308
Tobacco product manufacturing	<1	5	140	227
Fiber, yarn, and thread mills	<1	62	80	363
Broadwoven fabric mills	<1	87	121	464
Narrow fabric mills and schiffli machine embroidery	<1	9	10	32
Nonwoven fabric mills	<1	47	70	274
Knit fabric mills	<1	3	3	8
Textile and fabric finishing mills	<1	21	28	114
Fabric coating mills	<1	7	8	38
Carpet and rug mills	<1	61	90	334
Curtain and linen mills	<1	5	7	23
Textile bag and canvas mills	<1	12	17	56
Rope, cordage, twine, tire cord and tire fabric mills	<1	8	10	29
Other textile product mills	<1	77	93	250
Hosiery and sock mills	<1	<1	2	4
Other apparel knitting mills	<1	<1	2	5
Cut and sew apparel contractors	<1	7	12	21
Men's and boys' cut and sew apparel manufacturing	<1	2	6	12
Women's and girls' cut and sew apparel manufacturing	<1	2	14	29
Other cut and sew apparel manufacturing	<1	2	6	13
Apparel accessories and other apparel manufacturing	<1	3	12	20
Leather and hide tanning and finishing	<1	0	1	4
Footwear manufacturing	<1	<1	1	2
Other leather and allied product manufacturing	<1	2	4	8
Sawmills	<1	92	143	516
Wood preservation	<1	13	29	145
Veneer and plywood manufacturing	<1	39	57	198
Engineered wood member and truss manufacturing	<1	33	47	151
Reconstituted wood product manufacturing	<1	34	82	314
Wood windows and door manufacturing	<1	104	127	396
Cut stock, resawing lumber, and planing	<1	5	9	35

Appendix

Other millwork, including flooring	<1	53	75	268
Wood container and pallet manufacturing	<1	42	53	192
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	9	14	42
All other miscellaneous wood product manufacturing	<1	30	39	129
Pulp mills	<1	<1	<1	6
Paper mills	<1	130	392	974
Paperboard mills	<1	229	607	1,870
Paperboard container manufacturing	<1	293	517	1,799
Paper bag and coated and treated paper manufacturing	<1	157	292	768
Stationery product manufacturing	<1	10	14	42
Sanitary paper product manufacturing	<1	183	725	1,718
All other converted paper product manufacturing	<1	127	261	663
Printing	<1	1,372	2,084	4,527
Support activities for printing	<1	67	102	158
Petroleum refineries	<1	5	82	411
Asphalt paving mixture and block manufacturing	<1	16	30	120
Asphalt shingle and coating materials manufacturing	<1	8	43	82
Petroleum lubricating oil and grease manufacturing	<1	59	272	619
All other petroleum and coal products manufacturing	<1	12	60	129
Petrochemical manufacturing	<1	86	653	3,399
Industrial gas manufacturing	<1	63	138	508
Synthetic dye and pigment manufacturing	<1	23	35	109
Other basic inorganic chemical manufacturing	<1	58	96	336
Other basic organic chemical manufacturing	<1	98	185	1,529
Plastics material and resin manufacturing	<1	145	211	1,690
Synthetic rubber manufacturing	<1	3	5	29
Artificial and synthetic fibers and filaments manufacturing	<1	139	193	1,063
Nitrogenous fertilizer manufacturing	<1	4	12	67

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3	5	23
Pesticide and other agricultural chemical manufacturing	<1	37	94	311
Medicinal and botanical manufacturing	<1	2	3	12
Pharmaceutical preparation manufacturing	<1	267	546	2,224
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1
Biological product (except diagnostic) manufacturing	<1	3	6	12
Paint and coating manufacturing	<1	14	23	111
Adhesive manufacturing	<1	12	17	78
Soap and other detergent manufacturing	<1	31	67	321
Polish and other sanitation good manufacturing	<1	61	83	285
Surface active agent manufacturing	<1	33	105	360
Toilet preparation manufacturing	<1	2	4	12
Printing ink manufacturing	<1	46	50	228
Explosives manufacturing	<1	1	1	4
Custom compounding of purchased resins	<1	66	91	485
Photographic film and chemical manufacturing	<1	58	103	296
Other miscellaneous chemical product manufacturing	<1	143	192	824
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	160	309	995
Unlaminated plastics profile shape manufacturing	<1	60	170	419
Plastics pipe and pipe fitting manufacturing	<1	11	42	137
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	9	18	56
Polystyrene foam product manufacturing	<1	26	57	209
Urethane and other foam product (except polystyrene) manufacturing	<1	24	50	174
Plastics bottle manufacturing	<1	7	13	53
Other plastics product manufacturing	<1	394	676	2,070
Tire manufacturing	<1	355	489	1,723

Appendix

Rubber and plastics hoses and belting manufacturing	<1	29	53	161
Other rubber product manufacturing	<1	33	47	160
Pottery, ceramics, and plumbing fixture manufacturing	<1	12	19	39
Brick, tile, and other structural clay product manufacturing	<1	16	29	72
Flat glass manufacturing	<1	8	16	40
Other pressed and blown glass and glassware manufacturing	<1	94	157	363
Glass container manufacturing	<1	1	2	4
Glass product manufacturing made of purchased glass	<1	13	24	53
Cement manufacturing	<1	21	50	132
Ready-mix concrete manufacturing	<1	91	152	502
Concrete block and brick manufacturing	<1	20	37	98
Concrete pipe manufacturing	<1	7	12	36
Other concrete product manufacturing	<1	49	74	184
Lime manufacturing	<1	6	15	44
Gypsum product manufacturing	<1	6	17	49
Abrasive product manufacturing	<1	7	15	28
Cut stone and stone product manufacturing	<1	25	32	80
Ground or treated mineral and earth manufacturing	<1	2	4	9
Mineral wool manufacturing	<1	2	7	15
Miscellaneous nonmetallic mineral products manufacturing	<1	5	11	23
Iron and steel mills and ferroalloy manufacturing	<1	102	169	1,227
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	2	10
Rolled steel shape manufacturing	<1	10	19	117
Steel wire drawing	<1	12	17	103
Alumina refining and primary aluminum production	0	-87	-112	-770
Secondary smelting and alloying of aluminum	0	-37	-54	-692
Aluminum sheet, plate, and foil manufacturing	0	-1,093	-1,611	-8,618
Other aluminum rolling, drawing and extruding	0	-28	-34	-188
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	3	13

Appendix

Copper rolling, drawing, extruding and alloying	<1	49	72	862
Nonferrous metal, except copper and aluminum, shaping	0	<1	0	<1
Secondary processing of other nonferrous metals	<1	<1	<1	2
Ferrous metal foundries	<1	3	4	13
Nonferrous metal foundries	<1	22	25	75
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	16	20	66
Iron and steel forging	<1	15	20	79
Nonferrous forging	<1	<1	1	3
Cutlery, utensil, pot, and pan manufacturing	<1	1	2	8
Handtool manufacturing	<1	44	64	168
Prefabricated metal buildings and components manufacturing	<1	10	14	46
Fabricated structural metal manufacturing	<1	53	73	260
Plate work manufacturing	<1	27	30	102
Metal window and door manufacturing	<1	6	8	26
Sheet metal work manufacturing	<1	66	86	313
Ornamental and architectural metal work manufacturing	<1	10	11	33
Power boiler and heat exchanger manufacturing	<1	<1	1	3
Metal tank (heavy gauge) manufacturing	<1	3	3	11
Metal cans manufacturing	0	-1,444	-2,624	-14,529
Metal barrels, drums and pails manufacturing	0	-30	-39	-173
Hardware manufacturing	<1	17	24	89
Spring and wire product manufacturing	<1	20	25	82
Machine shops	<1	205	236	564
Turned product and screw, nut, and bolt manufacturing	<1	42	52	164
Metal heat treating	<1	47	59	149
Metal coating and nonprecious engraving	<1	44	70	217
Electroplating, anodizing, and coloring metal	<1	52	56	131
Valve and fittings, other than plumbing, manufacturing	<1	26	37	142
Plumbing fixture fitting and trim manufacturing	<1	12	24	93

Appendix

Ball and roller bearing manufacturing	<1	93	140	412
Small arms ammunition manufacturing	<1	0	2	5
Ammunition, except for small arms, manufacturing	<1	0	<1	1
Small arms, ordnance, and accessories manufacturing	<1	68	128	377
Fabricated pipe and pipe fitting manufacturing	<1	6	7	21
Other fabricated metal manufacturing	<1	106	134	434
Farm machinery and equipment manufacturing	<1	2	3	14
Lawn and garden equipment manufacturing	<1	10	16	101
Construction machinery manufacturing	<1	3	6	24
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	3
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	2	3	7
Optical instrument and lens manufacturing	<1	<1	<1	4
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	2	4	14
Air purification and ventilation equipment manufacturing	<1	4	5	16
Heating equipment (except warm air furnaces) manufacturing	<1	6	9	34
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	44	68	249
Industrial mold manufacturing	<1	2	2	4
Special tool, die, jig, and fixture manufacturing	<1	1	1	3

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	10	12	31
Machine tool manufacturing	<1	2	2	9
Rolling mill and other metalworking machinery manufacturing	<1	2	3	6
Turbine and turbine generator set units manufacturing	<1	4	4	14
Speed changer, industrial high-speed drive, and gear manufacturing	<1	16	21	57
Mechanical power transmission equipment manufacturing	<1	1	2	5
Other engine equipment manufacturing	<1	64	128	599
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	3
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	5
Industrial truck, trailer, and stacker manufacturing	<1	3	4	15
Power-driven handtool manufacturing	<1	12	28	83
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	2	3	8
Industrial process furnace and oven manufacturing	<1	0	<1	1
Fluid power cylinder and actuator manufacturing	<1	3	3	9
Fluid power pump and motor manufacturing	<1	10	15	58
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	4	12
Electronic computer manufacturing	<1	<1	1	8
Computer storage device manufacturing	<1	0	0	<1
Computer terminals and other computer peripheral equipment manufacturing	<1	5	7	21
Telephone apparatus manufacturing	<1	0	<1	2

Appendix

Broadcast and wireless communications equipment manufacturing	<1	1	2	6
Other communications equipment manufacturing	<1	12	18	58
Audio and video equipment manufacturing	<1	<1	<1	9
Printed circuit assembly (electronic assembly) manufacturing	<1	9	13	72
Bare printed circuit board manufacturing	<1	<1	<1	2
Semiconductor and related device manufacturing	<1	1	2	6
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	28	33	100
Electronic connector manufacturing	<1	<1	<1	4
Other electronic component manufacturing	<1	9	10	36
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	2	8
Search, detection, and navigation instruments manufacturing	<1	<1	<1	3
Automatic environmental control manufacturing	<1	5	5	17
Industrial process variable instruments manufacturing	<1	2	3	10
Totalizing fluid meter and counting device manufacturing	<1	13	23	67
Electricity and signal testing instruments manufacturing	<1	15	18	67
Analytical laboratory instrument manufacturing	<1	8,960	13,687	45,688
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	<1	5	15	72
Software and other prerecorded and record reproducing	<1	2	3	9
Electric lamp bulb and part manufacturing	<1	2	2	6
Lighting fixture manufacturing	<1	13	16	55
Small electrical appliance manufacturing	<1	<1	2	7



## Appendix

Household cooking appliance manufacturing	<1	24	47	210
Household refrigerator and home freezer manufacturing	<1	30	53	218
Household laundry equipment manufacturing	<1	93	134	658
Other major household appliance manufacturing	<1	12	25	93
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	1
Motor and generator manufacturing	<1	25	42	159
Switchgear and switchboard apparatus manufacturing	<1	21	35	115
Relay and industrial control manufacturing	<1	103	130	433
Storage battery manufacturing	<1	27	41	133
Primary battery manufacturing	<1	5	3	22
Fiber optic cable manufacturing	<1	80	114	488
Other communication and energy wire manufacturing	<1	2	3	14
Wiring device manufacturing	<1	61	107	289
Carbon and graphite product manufacturing	<1	75	110	357
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	4
Automobile manufacturing	<1	297	872	4,941
Light truck and utility vehicle manufacturing	<1	56	161	1,335
Heavy duty truck manufacturing	<1	<1	<1	4
Motor vehicle body manufacturing	<1	3	4	17
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	316	372	1,520
Motor vehicle gasoline engine and engine parts manufacturing	<1	90	126	651
Motor vehicle electrical and electronic equipment manufacturing	<1	165	199	916
Motor vehicle transmission and power train parts manufacturing	<1	201	273	1,674
Motor vehicle seating and interior trim manufacturing	<1	97	112	630
Motor vehicle metal stamping	<1	223	270	1,055
Other motor vehicle parts manufacturing	<1	328	416	2,182

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	195	247	1,125
Aircraft manufacturing	<1	2	4	9
Aircraft engine and engine parts manufacturing	<1	1	4	10
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	5
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	1	5
Ship building and repairing	<1	3	4	9
Boat building	<1	328	518	1,606
Motorcycle, bicycle, and parts manufacturing	<1	3	13	30
Military armored vehicle, tank, and tank component manufacturing	<1	25	59	190
All other transportation equipment manufacturing	<1	122	291	991
Wood kitchen cabinet and countertop manufacturing	<1	35	83	165
Upholstered household furniture manufacturing	<1	3	5	15
Nonupholstered wood household furniture manufacturing	<1	1	2	5
Other household nonupholstered furniture manufacturing	<1	9	33	72
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	<1	<1	2	4
Showcase, partition, shelving, and locker manufacturing	<1	6	16	34
Mattress manufacturing	<1	17	72	194
Blind and shade manufacturing	<1	2	2	5
Surgical and medical instrument manufacturing	<1	27	45	100
Surgical appliance and supplies manufacturing	<1	16	35	76

## Appendix

Dental equipment and supplies manufacturing	<1	<1	<1	1
Ophthalmic goods manufacturing	<1	2	3	7
Dental laboratories	<1	7	8	16
Jewelry and silverware manufacturing	<1	16	30	89
Sporting and athletic goods manufacturing	<1	22	35	102
Doll, toy, and game manufacturing	<1	3	6	20
Office supplies (except paper) manufacturing	<1	10	15	49
Sign manufacturing	<1	133	127	332
Gasket, packing, and sealing device manufacturing	<1	16	19	44
Musical instrument manufacturing	<1	<1	<1	2
Fasteners, buttons, needles, and pins manufacturing	<1	<1	<1	2
Broom, brush, and mop manufacturing	<1	9	14	37
Burial casket manufacturing	<1	2	4	7
All other miscellaneous manufacturing	<1	69	104	275
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	226	514	1,197
Wholesale - Professional and commercial equipment and supplies	<1	1,447	2,415	4,333
Wholesale - Household appliances and electrical and electronic goods	<1	841	2,212	4,970
Wholesale - Machinery, equipment, and supplies	<1	725	1,457	2,684
Wholesale - Other durable goods merchant wholesalers	<1	1,220	2,446	5,182
Wholesale - Drugs and druggists'sundries	<1	634	1,648	3,720
Wholesale - Grocery and related product wholesalers	<1	1,146	1,806	3,693
Wholesale - Petroleum and petroleum products	<1	206	4,004	4,684
Wholesale - Other nondurable goods merchant wholesalers	<1	1,853	4,798	9,233
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,185	3,688	4,388
Retail - Motor vehicle and parts dealers	<1	1,990	2,825	4,029
Retail - Furniture and home furnishings stores	<1	827	1,175	2,081

## Appendix

Retail - Electronics and appliance stores	<1	842	764	1,341
Retail - Building material and garden equipment and supplies stores	<1	1,138	2,246	3,227
Retail - Food and beverage stores	<1	2,844	4,196	7,264
Retail - Health and personal care stores	<1	1,681	2,202	3,431
Retail - Gasoline stores	<1	888	2,233	4,540
Retail - Clothing and clothing accessories stores	<1	1,035	1,890	4,301
Retail - Sporting goods, hobby, musical instrument and book stores	<1	809	1,098	1,894
Retail - General merchandise stores	<1	2,735	4,467	7,640
Retail - Miscellaneous store retailers	<1	1,758	1,820	3,151
Retail - Nonstore retailers	<1	1,418	8,307	13,844
Air transportation	<1	305	1,216	2,319
Rail transportation	<1	174	437	807
Water transportation	<1	114	178	867
Truck transportation	<1	3,302	4,982	11,214
Transit and ground passenger transportation	<1	236	437	873
Pipeline transportation	<1	77	245	395
Scenic and sightseeing transportation and support activities for transportation	<1	2,456	2,245	3,438
Couriers and messengers	<1	1,611	3,883	4,750
Warehousing and storage	<1	3,627	3,871	7,437
Newspaper publishers	<1	258	354	606
Periodical publishers	<1	122	146	296
Book publishers	<1	345	708	1,884
Directory, mailing list, and other publishers	<1	107	195	433
Greeting card publishing	0	0	0	0
Software publishers	<1	2,370	3,560	5,445
Motion picture and video industries	<1	382	592	1,626
Sound recording industries	<1	74	454	888
Radio and television broadcasting	<1	5,917	6,036	10,816
Cable and other subscription programming	<1	561	898	2,805
Wired telecommunications carriers	<1	1,892	3,200	7,689

Appendix

Wireless telecommunications carriers (except satellite)	<1	367	1,573	6,185
Satellite, telecommunications resellers, and all other telecommunications	<1	460	574	1,409
Data processing, hosting, and related services	<1	1,498	2,413	8,593
News syndicates, libraries, archives and all other information services	<1	111	148	429
Internet publishing and broadcasting and web search portals	<1	12,040	24,531	118,392
Nondepository credit intermediation and related activities	<1	3,830	3,993	6,116
Securities and commodity contracts intermediation and brokerage	<1	2,210	1,652	5,074
Monetary authorities and depository credit intermediation	<1	8,208	10,000	20,612
Other financial investment activities	<1	1,440	1,682	5,914
Direct life insurance carriers	<1	870	1,745	2,790
Insurance carriers, except direct life	<1	2,436	7,792	19,738
Insurance agencies, brokerages, and related activities	<1	3,316	5,366	13,555
Funds, trusts, and other financial vehicles	<1	525	749	3,906
Other real estate	<1	5,743	20,717	54,421
Tenant-occupied housing	<1	546	7,404	8,077
Owner-occupied dwellings	0	0	47,056	56,933
Automotive equipment rental and leasing	<1	449	1,861	2,410
General and consumer goods rental except video tapes and discs	<1	3,214	5,789	8,282
Video tape and disc rental	<1	140	256	421
Commercial and industrial machinery and equipment rental and leasing	<1	4,038	14,847	18,020
Lessors of nonfinancial intangible assets	<1	60	1,927	2,061
Legal services	<1	8,129	12,483	18,610
Accounting, tax preparation, bookkeeping, and payroll services	<1	2,779	3,232	5,606
Architectural, engineering, and related services	<1	2,552	2,706	5,152
Specialized design services	<1	261	378	791

Appendix

Custom computer programming services	<1	4,866	4,943	7,472
Computer systems design services	<1	2,259	2,003	2,712
Other computer related services, including facilities management	<1	1,592	1,832	3,893
Management consulting services	<1	9,243	9,435	16,332
Environmental and other technical consulting services	<1	1,099	1,175	2,016
Scientific research and development services	<1	72,105	94,981	189,508
Advertising, public relations, and related services	<1	3,387	4,742	11,985
Photographic services	<1	78	152	448
Veterinary services	<1	579	622	1,008
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	2,979	4,273	10,504
Management of companies and enterprises	<1	10,516	11,405	20,676
Office administrative services	<1	2,658	681	2,818
Facilities support services	<1	289	371	1,133
Employment services	<1	10,531	13,770	27,529
Business support services	<1	2,170	1,781	3,747
Travel arrangement and reservation services	<1	368	545	2,159
Investigation and security services	<1	1,432	1,447	2,267
Services to buildings	<1	1,768	2,335	5,634
Landscape and horticultural services	<1	1,102	1,299	2,771
Other support services	<1	525	646	1,560
Waste management and remediation services	<1	1,238	1,886	3,758
Elementary and secondary schools	<1	1,391	1,127	1,423
Junior colleges, colleges, universities, and professional schools	<1	11,428	14,202	20,595
Other educational services	<1	621	689	1,462
Offices of physicians	<1	9,249	9,332	13,446
Offices of dentists	<1	2,172	2,705	3,661
Offices of other health practitioners	<1	1,371	2,243	2,875
Outpatient care centers	<1	1,108	1,102	1,828
Medical and diagnostic laboratories	<1	597	1,063	1,435
Home health care services	<1	1,147	1,150	1,555

## Appendix

Other ambulatory health care services	<1	472	580	914
Hospitals	<1	5,473	6,654	12,597
Nursing and community care facilities	<1	1,710	1,970	3,227
Residential mental retardation, mental health, substance abuse and other facilities	<1	578	618	955
Individual and family services	<1	1,897	1,645	2,501
Child day care services	<1	803	1,138	1,572
Community food, housing, and other relief services, including rehabilitation services	<1	429	403	950
Performing arts companies	<1	227	367	925
Commercial Sports Except Racing	<1	381	289	683
Racing and Track Operation	<1	25	36	75
Independent artists, writers, and performers	<1	386	889	1,750
Promoters of performing arts and sports and agents for public figures	<1	329	688	2,309
Museums, historical sites, zoos, and parks	<1	84	97	201
Amusement parks and arcades	<1	32	59	77
Gambling industries (except casino hotels)	<1	397	1,395	1,887
Other amusement and recreation industries	<1	565	633	924
Fitness and recreational sports centers	<1	239	322	588
Bowling centers	<1	56	92	145
Hotels and motels, including casino hotels	<1	603	1,557	2,230
Other accommodations	<1	131	168	225
Full-service restaurants	<1	5,605	8,602	17,221
Limited-service restaurants	<1	4,000	6,415	16,044
All other food and drinking places	<1	2,959	4,731	7,534
Automotive repair and maintenance, except car washes	<1	3,110	3,904	5,694
Car washes	<1	1,710	2,479	3,743
Electronic and precision equipment repair and maintenance	<1	541	782	1,327
Commercial and industrial machinery and equipment repair and maintenance	<1	1,376	1,638	2,677
Personal and household goods repair and maintenance	<1	326	861	1,179

Appendix

Personal care services	<1	683	680	792
Death care services	<1	339	347	465
Dry-cleaning and laundry services	<1	378	373	460
Other personal services	<1	794	1,068	1,578
Religious organizations	<1	1,265	1,131	2,519
Grantmaking, giving, and social advocacy organizations	<1	364	1,593	2,230
Business and professional associations	<1	512	1,062	1,765
Labor and civic organizations	<1	398	1,651	2,442
Private households	<1	465	465	466
Postal service	<1	2,112	2,122	2,133
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	59	43	190
State government passenger transit	<1	104	151	118
State government electric utilities	<1	3,220	9,518	16,805
Other state government enterprises	<1	90	172	288
Local government passenger transit	<1	131	72	125
Local government electric utilities	<1	68	257	521
Other local government enterprises	<1	1,654	4,863	9,989
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	249,378	256,724	469,798

## South Dakota

## NASA

Table 748: Detailed NASA Impacts by Types of Impact, South Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	248	20,806,844	32,888,578	46,373,422
Oilseed farming	<1	169,436	472,859	633,912
Grain farming	<1	35,428	62,481	206,150
Vegetable and melon farming	<1	466	789	1,453
Fruit farming	<1	391	618	856
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	1,119	2,044	4,563
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,187	5,249	11,422
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	20,567	39,924	96,249
Dairy cattle and milk production	<1	3,856	7,009	34,019
Poultry and egg production	<1	1,385	2,775	36,289
Animal production, except cattle and poultry and eggs	<1	24,002	67,585	76,145
Forestry, forest products, and timber tract production	<1	105	129	173
Commercial logging	<1	1,257	1,545	2,203
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	34	2,068	2,815
Support activities for agriculture and forestry	<1	4,180	4,654	5,287
Oil and gas extraction	<1	471	998	50,945
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	7,768	24,799	53,835
Iron ore mining	0	0	0	0
Gold ore mining	<1	838	1,935	5,210
Silver ore mining	<1	134	246	645
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	942	2,262	4,969
Sand and gravel mining	<1	1,040	1,689	3,538

Appendix

Other clay, ceramic, refractory minerals mining	<1	161	269	594
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	5	8	33
Metal mining services	<1	229	203	1,695
Other nonmetallic minerals services	<1	5	7	72
Electric power generation - Hydroelectric	<1	1,069	2,633	5,272
Electric power generation - Fossil fuel	<1	7,939	31,376	79,660
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	2,435	21,370	41,048
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	46,566	171,611	434,907
Natural gas distribution	<1	11,990	43,640	94,436
Water, sewage and other systems	<1	2,480	5,424	10,312
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	31,462	36,370	108,133
Maintenance and repair construction of residential structures	<1	22,632	27,320	73,708
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	32	38	111
Dog and cat food manufacturing	<1	1,268	3,076	12,315
Other animal food manufacturing	<1	1,777	2,950	26,300
Flour milling	<1	194	386	2,961
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	347	1,921	16,474
Fats and oils refining and blending	<1	40	99	909
Breakfast cereal manufacturing	<1	211	480	1,653
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	429	589	2,758
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	20	29	330
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	1,444	1,913	8,930
Canned fruits and vegetables manufacturing	<1	87	160	701
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	4,670	6,329	59,902
Dry, condensed, and evaporated dairy product manufacturing	<1	687	1,529	9,447
Fluid milk manufacturing	<1	1,080	1,662	10,704
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0

Appendix

Frozen cakes and other pastries manufacturing	<1	1,199	1,763	2,837
Poultry processing	<1	5,941	7,287	44,122
Animal, except poultry, slaughtering	<1	12,960	15,287	118,667
Meat processed from carcasses	<1	3,676	3,481	33,184
Rendering and meat byproduct processing	<1	96	91	651
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	1,514	2,315	7,126
Cookie and cracker manufacturing	<1	1,452	2,013	6,725
Dry pasta, mixes, and dough manufacturing	<1	986	2,135	7,846
Tortilla manufacturing	<1	634	819	2,843
Roasted nuts and peanut butter manufacturing	<1	261	501	2,727
Other snack food manufacturing	<1	185	317	1,805
Coffee and tea manufacturing	<1	4	7	44
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	663	916	5,456
Bottled and canned soft drinks & water	<1	288	468	3,256
Manufactured ice	<1	56	39	246
Breweries	<1	765	1,487	7,227
Wineries	<1	923	1,479	7,620
Distilleries	<1	28	120	450
Tobacco product manufacturing	<1	348	9,834	24,260
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	5	33
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	3	4	32
Textile bag and canvas mills	<1	576	803	2,315
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

Appendix

Other textile product mills	<1	76	94	333
Hosiery and sock mills	<1	3	6	14
Other apparel knitting mills	<1	3	6	15
Cut and sew apparel contractors	<1	6	6	40
Men's and boys' cut and sew apparel manufacturing	<1	3	4	25
Women's and girls' cut and sew apparel manufacturing	<1	4	2	62
Other cut and sew apparel manufacturing	<1	2	3	20
Apparel accessories and other apparel manufacturing	<1	4	7	21
Leather and hide tanning and finishing	<1	19	17	276
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	7	7	44
Sawmills	<1	1,040	1,683	7,245
Wood preservation	<1	248	600	2,697
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	945	1,422	4,952
Reconstituted wood product manufacturing	<1	265	702	2,965
Wood windows and door manufacturing	<1	3,007	3,778	10,831
Cut stock, resawing lumber, and planing	<1	1,430	2,521	8,320
Other millwork, including flooring	<1	28	41	190
Wood container and pallet manufacturing	<1	1,362	1,729	5,074
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	329	506	1,605
All other miscellaneous wood product manufacturing	<1	385	510	1,849
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	3,993	4,995	26,474
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	187	211	869

Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	16,109	26,578	53,013
Support activities for printing	<1	15	24	37
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	114	147	1,278
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	3,924	4,559	28,040
Plastics material and resin manufacturing	<1	745	790	3,295
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	207	224	734
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	11	11	29
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	27	23	70
Pharmaceutical preparation manufacturing	<1	76	75	241
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	361	342	1,216
Polish and other sanitation good manufacturing	<1	670	578	1,187

Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	112	109	338
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	225	225	519
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	2,443	2,633	7,846
Other miscellaneous chemical product manufacturing	<1	298	281	839
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,668	688	7,845
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	1,761	-1,723	11,900
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	369	68	1,996
Urethane and other foam product (except polystyrene) manufacturing	<1	22	9	133
Plastics bottle manufacturing	<1	18	8	110
Other plastics product manufacturing	<1	2,332	1,304	10,543
Tire manufacturing	<1	988	776	5,364
Rubber and plastics hoses and belting manufacturing	<1	8	3	54
Other rubber product manufacturing	<1	60	47	344
Pottery, ceramics, and plumbing fixture manufacturing	<1	443	618	1,088
Brick, tile, and other structural clay product manufacturing	<1	766	1,105	2,127
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	395	600	1,193
Cement manufacturing	<1	492	921	2,889
Ready-mix concrete manufacturing	<1	2,184	3,139	11,565
Concrete block and brick manufacturing	<1	716	1,082	2,963
Concrete pipe manufacturing	<1	245	360	1,082



Appendix

Other concrete product manufacturing	<1	1,635	2,164	5,862
Lime manufacturing	<1	596	1,025	2,397
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,102	1,323	3,088
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	43	81	236
Iron and steel mills and ferroalloy manufacturing	<1	620	1,084	10,267
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	285	589	4,274
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	110	148	1,202
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	57	69	466
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	69	84	282
Nonferrous metal foundries	<1	83	94	306
Custom roll forming	<1	130	135	1,079
Crown and closure manufacturing and metal stamping	<1	242	250	1,025
Iron and steel forging	<1	401	415	2,310
Nonferrous forging	<1	196	199	1,025
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	5	6	40
Prefabricated metal buildings and components manufacturing	<1	185	192	1,035

## Appendix

Fabricated structural metal manufacturing	<1	436	453	2,253
Plate work manufacturing	<1	787	804	2,808
Metal window and door manufacturing	<1	393	409	1,921
Sheet metal work manufacturing	<1	1,127	1,141	4,213
Ornamental and architectural metal work manufacturing	<1	257	261	1,022
Power boiler and heat exchanger manufacturing	<1	45	46	189
Metal tank (heavy gauge) manufacturing	<1	133	136	494
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	90	93	506
Hardware manufacturing	<1	236	250	1,240
Spring and wire product manufacturing	<1	245	252	1,108
Machine shops	<1	1,742	1,762	4,421
Turned product and screw, nut, and bolt manufacturing	<1	45	47	216
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	253	262	1,345
Electroplating, anodizing, and coloring metal	<1	44	45	117
Valve and fittings, other than plumbing, manufacturing	<1	354	368	2,033
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	743	810	3,177
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	204	213	1,297
Fabricated pipe and pipe fitting manufacturing	<1	69	70	228
Other fabricated metal manufacturing	<1	211	216	970
Farm machinery and equipment manufacturing	<1	169	255	1,412
Lawn and garden equipment manufacturing	<1	57	84	458
Construction machinery manufacturing	<1	122	222	924
Mining machinery and equipment manufacturing	0	0	0	0

Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	2	2	6
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	1	4
Optical instrument and lens manufacturing	<1	3	4	13
Photographic and photocopying equipment manufacturing	<1	1	1	6
Other commercial service industry machinery manufacturing	<1	17	23	102
Air purification and ventilation equipment manufacturing	<1	334	388	1,242
Heating equipment (except warm air furnaces) manufacturing	<1	29	38	193
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	72	99	404
Industrial mold manufacturing	<1	32	35	91
Special tool, die, jig, and fixture manufacturing	<1	36	41	81
Cutting tool and machine tool accessory manufacturing	<1	63	68	185
Machine tool manufacturing	<1	37	43	167
Rolling mill and other metalworking machinery manufacturing	<1	56	66	178
Turbine and turbine generator set units manufacturing	<1	6	6	25
Speed changer, industrial high-speed drive, and gear manufacturing	<1	72	88	343
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	4	6	26
Air and gas compressor manufacturing	<1	8	10	39
Elevator and moving stairway manufacturing	0	0	0	0

Appendix

Conveyor and conveying equipment manufacturing	<1	32	35	107
Overhead cranes, hoists, and monorail systems manufacturing	<1	28	40	177
Industrial truck, trailer, and stacker manufacturing	<1	87	115	490
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	15	20	72
Packaging machinery manufacturing	<1	2	3	10
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	40	49	171
Fluid power pump and motor manufacturing	<1	13	17	72
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	17	19	74
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	77,155	79,374	295,198
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	1	2	11
Other communications equipment manufacturing	<1	6	6	57
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	435	401	3,036
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	248	252	2,775
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	67	63	304
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	106	104	542

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	3	2	11
Search, detection, and navigation instruments manufacturing	<1	1	1	6
Automatic environmental control manufacturing	<1	34	34	126
Industrial process variable instruments manufacturing	<1	14	13	61
Totalizing fluid meter and counting device manufacturing	<1	13	12	68
Electricity and signal testing instruments manufacturing	<1	2	1	6
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	2	4	10
Small electrical appliance manufacturing	<1	6	27	52
Household cooking appliance manufacturing	<1	13	76	134
Household refrigerator and home freezer manufacturing	<1	17	83	144
Household laundry equipment manufacturing	<1	51	157	360
Other major household appliance manufacturing	<1	8	48	77
Power, distribution, and specialty transformer manufacturing	<1	14	29	69
Motor and generator manufacturing	<1	31	104	257
Switchgear and switchboard apparatus manufacturing	<1	1	4	10
Relay and industrial control manufacturing	<1	51	100	299
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	315	432	998
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	635	727	3,150
Truck trailer manufacturing	<1	84	91	412
Motor home manufacturing	<1	3,410	4,665	27,106
Travel trailer and camper manufacturing	<1	424	468	2,765
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	1,385	1,582	7,849
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	5,060	5,713	33,071
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	9	28	95
Other aircraft parts and auxiliary equipment manufacturing	1	57,160	88,026	273,361
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	151	734	1,435

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	72	185	654
Wood kitchen cabinet and countertop manufacturing	<1	2,572	2,671	6,945
Upholstered household furniture manufacturing	<1	4	5	24
Nonupholstered wood household furniture manufacturing	<1	631	646	1,938
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	4	4	13
Custom architectural woodwork and millwork	<1	7	6	22
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	67	69	258
Mattress manufacturing	<1	48	55	348
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	57	136	275
Surgical appliance and supplies manufacturing	<1	1,781	5,712	10,006
Dental equipment and supplies manufacturing	<1	9	24	45
Ophthalmic goods manufacturing	<1	11	38	67
Dental laboratories	<1	55	74	141
Jewelry and silverware manufacturing	<1	1,144	2,744	5,923
Sporting and athletic goods manufacturing	<1	2	3	12
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	9	22	81
Sign manufacturing	<1	13,437	13,325	31,149
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	7	9	33
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

Appendix

Broom, brush, and mop manufacturing	<1	13	29	95
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	109	209	604
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	13,601	26,669	66,015
Wholesale - Professional and commercial equipment and supplies	<1	51,356	79,843	146,435
Wholesale - Household appliances and electrical and electronic goods	<1	20,089	43,898	107,040
Wholesale - Machinery, equipment, and supplies	<1	26,453	44,588	85,696
Wholesale - Other durable goods merchant wholesalers	<1	41,670	68,029	153,014
Wholesale - Drugs and druggistsâ€™ sundries	<1	29,283	64,605	148,747
Wholesale - Grocery and related product wholesalers	<1	28,381	40,391	84,393
Wholesale - Petroleum and petroleum products	<1	9,659	83,463	120,046
Wholesale - Other nondurable goods merchant wholesalers	<1	78,730	143,529	322,635
Wholesale - Wholesale electronic markets and agents and brokers	<1	13,779	15,383	18,082
Retail - Motor vehicle and parts dealers	<1	59,172	86,145	123,411
Retail - Furniture and home furnishings stores	<1	28,260	40,485	69,679
Retail - Electronics and appliance stores	<1	31,139	27,785	49,507
Retail - Building material and garden equipment and supplies stores	<1	31,342	61,600	88,745
Retail - Food and beverage stores	3	80,274	122,019	219,650
Retail - Health and personal care stores	1	48,888	61,733	96,071
Retail - Gasoline stores	<1	27,519	64,942	129,184
Retail - Clothing and clothing accessories stores	1	30,560	54,054	120,904
Retail - Sporting goods, hobby, musical instrument and book stores	<1	24,062	34,133	60,186
Retail - General merchandise stores	2	89,656	98,463	193,693
Retail - Miscellaneous store retailers	1	71,465	72,718	104,989
Retail - Nonstore retailers	2	45,108	223,281	443,400
Air transportation	<1	6,057	27,715	47,760



Appendix

Rail transportation	<1	7,515	22,544	40,158
Water transportation	<1	112	128	965
Truck transportation	1	85,270	121,026	258,953
Transit and ground passenger transportation	<1	15,829	20,297	32,011
Pipeline transportation	<1	8,059	18,223	34,085
Scenic and sightseeing transportation and support activities for transportation	<1	28,730	26,631	42,547
Couriers and messengers	<1	27,512	46,637	56,548
Warehousing and storage	<1	20,426	21,644	41,772
Newspaper publishers	<1	9,738	15,508	26,270
Periodical publishers	<1	1,760	2,538	6,360
Book publishers	<1	1,307	3,179	8,479
Directory, mailing list, and other publishers	<1	147	333	772
Greeting card publishing	0	0	0	0
Software publishers	1	176,557	341,980	529,285
Motion picture and video industries	<1	7,969	13,688	42,473
Sound recording industries	<1	665	5,662	16,621
Radio and television broadcasting	<1	86,228	102,733	223,573
Cable and other subscription programming	<1	2,697	7,953	21,440
Wired telecommunications carriers	<1	44,442	106,493	200,246
Wireless telecommunications carriers (except satellite)	<1	3,172	26,614	60,237
Satellite, telecommunications resellers, and all other telecommunications	<1	1,244	1,683	3,931
Data processing, hosting, and related services	<1	21,705	46,210	149,959
News syndicates, libraries, archives and all other information services	<1	1,028	1,542	4,471
Internet publishing and broadcasting and web search portals	<1	15,692	42,698	229,319
Nondepository credit intermediation and related activities	<1	145,159	151,338	204,151
Securities and commodity contracts intermediation and brokerage	1	55,062	44,762	146,978
Monetary authorities and depository credit intermediation	1	238,355	1,054,325	1,146,597

Appendix

Other financial investment activities	2	57,869	67,561	286,358
Direct life insurance carriers	<1	39,303	98,324	147,645
Insurance carriers, except direct life	<1	56,595	238,703	510,192
Insurance agencies, brokerages, and related activities	2	109,821	203,643	511,131
Funds, trusts, and other financial vehicles	<1	15,623	34,788	152,262
Other real estate	5	130,752	320,616	909,022
Tenant-occupied housing	2	41,679	231,437	266,962
Owner-occupied dwellings	0	0	1,157,912	1,397,408
Automotive equipment rental and leasing	<1	9,899	23,788	33,601
General and consumer goods rental except video tapes and discs	<1	18,673	29,941	44,986
Video tape and disc rental	<1	6,106	10,588	16,911
Commercial and industrial machinery and equipment rental and leasing	<1	11,405	24,729	34,377
Lessors of nonfinancial intangible assets	<1	154	24,712	26,375
Legal services	1	67,691	122,258	188,632
Accounting, tax preparation, bookkeeping, and payroll services	<1	58,813	76,489	130,815
Architectural, engineering, and related services	<1	38,918	44,194	84,913
Specialized design services	<1	1,899	3,880	7,858
Custom computer programming services	<1	21,301	23,446	33,336
Computer systems design services	5	368,286	355,947	493,371
Other computer related services, including facilities management	<1	5,848	8,199	16,502
Management consulting services	2	145,007	154,985	256,817
Environmental and other technical consulting services	<1	21,496	24,709	41,362
Scientific research and development services	12	859,864	1,079,054	2,565,782
Advertising, public relations, and related services	<1	29,593	50,736	124,073
Photographic services	<1	2,030	6,643	14,637
Veterinary services	<1	15,930	18,692	30,175
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	12,357	21,436	57,651
Management of companies and enterprises	2	281,837	301,545	488,125

## Appendix

Office administrative services	<1	40,601	14,954	47,570
Facilities support services	<1	1,908	2,555	5,921
Employment services	2	130,081	175,930	283,389
Business support services	<1	40,945	36,155	66,121
Travel arrangement and reservation services	<1	5,491	8,825	34,525
Investigation and security services	<1	11,918	12,468	18,323
Services to buildings	<1	28,852	42,144	96,782
Landscape and horticultural services	<1	20,567	26,396	52,816
Other support services	<1	12,419	16,193	34,667
Waste management and remediation services	<1	13,207	20,253	49,352
Elementary and secondary schools	<1	14,178	12,845	16,551
Junior colleges, colleges, universities, and professional schools	4	132,076	173,993	267,800
Other educational services	<1	13,134	14,678	34,820
Offices of physicians	3	399,146	400,819	536,792
Offices of dentists	1	99,681	117,433	153,651
Offices of other health practitioners	1	70,265	103,407	133,342
Outpatient care centers	<1	28,802	28,380	47,769
Medical and diagnostic laboratories	<1	13,491	21,060	27,173
Home health care services	<1	49,259	48,951	63,559
Other ambulatory health care services	<1	32,241	37,536	59,205
Hospitals	12	1,170,736	1,270,472	2,402,626
Nursing and community care facilities	2	117,426	121,785	181,146
Residential mental retardation, mental health, substance abuse and other facilities	<1	60,948	56,787	75,331
Individual and family services	2	62,256	51,852	71,712
Child day care services	2	43,959	47,683	73,868
Community food, housing, and other relief services, including rehabilitation services	<1	37,875	35,486	79,451
Performing arts companies	<1	4,626	8,744	20,718
Commercial Sports Except Racing	<1	6,332	5,997	13,838
Racing and Track Operation	<1	1,314	1,987	5,447
Independent artists, writers, and performers	<1	6,161	15,259	32,979

Appendix

Promoters of performing arts and sports and agents for public figures	<1	12,368	27,716	96,300
Museums, historical sites, zoos, and parks	<1	7,151	8,484	16,942
Amusement parks and arcades	<1	1,472	2,503	3,377
Gambling industries (except casino hotels)	<1	15,889	61,608	87,828
Other amusement and recreation industries	<1	16,350	14,587	24,821
Fitness and recreational sports centers	<1	6,579	9,156	15,514
Bowling centers	<1	2,407	4,090	7,310
Hotels and motels, including casino hotels	<1	2,778	9,513	13,592
Other accommodations	<1	859	1,106	1,609
Full-service restaurants	5	130,303	178,791	382,402
Limited-service restaurants	5	127,955	192,504	475,175
All other food and drinking places	3	88,079	146,566	246,959
Automotive repair and maintenance, except car washes	2	120,799	151,623	219,262
Car washes	1	67,103	101,016	150,891
Electronic and precision equipment repair and maintenance	2	151,721	202,408	331,804
Commercial and industrial machinery and equipment repair and maintenance	<1	70,473	79,283	125,307
Personal and household goods repair and maintenance	<1	8,066	15,373	22,481
Personal care services	1	44,713	34,635	40,927
Death care services	<1	8,934	7,702	10,249
Dry-cleaning and laundry services	<1	15,608	12,720	15,787
Other personal services	<1	18,423	25,212	35,304
Religious organizations	2	137,662	83,559	220,878
Grantmaking, giving, and social advocacy organizations	<1	33,542	116,117	164,380
Business and professional associations	<1	20,492	37,864	67,905
Labor and civic organizations	<1	19,729	67,288	122,246
Private households	<1	7,545	7,545	7,545
Postal service	<1	43,034	43,247	43,265
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,431	-111,376	2,223
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	0	0	0	0
Local government electric utilities	<1	2,935	11,069	25,138
Other local government enterprises	<1	49,978	146,443	353,248
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	107	11,897,875	18,273,130	19,125,425

## Moon to Mars Campaign

**Table 749: Detailed M2M Campaign Impacts by Types of Impact, South Dakota**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	8	665,288	1,039,626	1,754,867
Oilseed farming	<1	5,627	18,146	25,119
Grain farming	<1	963	2,187	5,755
Vegetable and melon farming	<1	15	27	47
Fruit farming	<1	16	25	34
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	32	61	130
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	81	141	295
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	522	1,200	2,594
Dairy cattle and milk production	<1	138	277	1,213
Poultry and egg production	<1	35	74	882
Animal production, except cattle and poultry and eggs	<1	570	1,853	2,039
Forestry, forest products, and timber tract production	<1	4	5	6
Commercial logging	<1	36	48	64
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	1	59	77
Support activities for agriculture and forestry	<1	123	138	157
Oil and gas extraction	<1	11	25	1,314
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	676	2,230	4,839
Iron ore mining	0	0	0	0
Gold ore mining	<1	59	136	356
Silver ore mining	<1	6	12	31
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	26	62	135
Sand and gravel mining	<1	32	52	107
Other clay, ceramic, refractory minerals mining	<1	4	6	14
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	0	0	0	0
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	8	8	70
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	36	87	171

Appendix

Electric power generation - Fossil fuel	<1	269	970	2,459
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	59	518	992
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,409	4,950	12,504
Natural gas distribution	<1	423	1,471	3,095
Water, sewage and other systems	<1	86	178	328
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,051	1,249	3,586
Maintenance and repair construction of residential structures	<1	656	812	2,122
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	<1	38	91	359
Other animal food manufacturing	<1	51	88	760
Flour milling	<1	5	10	76

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	12	68	600
Fats and oils refining and blending	<1	1	4	35
Breakfast cereal manufacturing	<1	7	15	53
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	15	21	94
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	10
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	44	58	272
Canned fruits and vegetables manufacturing	<1	3	6	26
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	219	291	2,793
Dry, condensed, and evaporated dairy product manufacturing	<1	20	45	282
Fluid milk manufacturing	<1	38	59	373
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	39	58	92
Poultry processing	<1	137	172	1,052
Animal, except poultry, slaughtering	<1	366	435	3,426
Meat processed from carcasses	<1	108	103	980
Rendering and meat byproduct processing	<1	3	3	21
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	49	75	229
Cookie and cracker manufacturing	<1	47	66	210
Dry pasta, mixes, and dough manufacturing	<1	34	72	278
Tortilla manufacturing	<1	19	24	85



## Appendix

Roasted nuts and peanut butter manufacturing	<1	9	17	91
Other snack food manufacturing	<1	6	9	54
Coffee and tea manufacturing	<1	<1	<1	1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	24	34	203
Bottled and canned soft drinks & water	<1	8	13	88
Manufactured ice	<1	2	1	7
Breweries	<1	26	52	250
Wineries	<1	40	63	305
Distilleries	<1	<1	4	14
Tobacco product manufacturing	<1	9	316	727
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	0	1
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	18	26	70
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	3	4	13
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	2
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	2
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	3
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	<1	0	0	8
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	1

## Appendix

Sawmills	<1	29	47	202
Wood preservation	<1	7	16	75
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	33	49	171
Reconstituted wood product manufacturing	<1	7	18	74
Wood windows and door manufacturing	<1	127	159	452
Cut stock, resawing lumber, and planing	<1	42	73	247
Other millwork, including flooring	<1	1	2	8
Wood container and pallet manufacturing	<1	40	51	149
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	9	14	44
All other miscellaneous wood product manufacturing	<1	13	17	58
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	147	184	981
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	9	10	39
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	1,172	1,975	3,807
Support activities for printing	<1	2	3	5
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	3	4	35
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	167	207	1,234
Plastics material and resin manufacturing	<1	25	28	113
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	8	10	29
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	<1
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	1	3
Pharmaceutical preparation manufacturing	<1	3	3	9
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	12	12	40
Polish and other sanitation good manufacturing	<1	23	22	42
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	4	4	12
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	9	10	23
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	109	126	351
Other miscellaneous chemical product manufacturing	<1	11	11	31
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	52	22	243
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	5	-5	32

Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	11	2	58
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	<1	4
Plastics bottle manufacturing	<1	<1	<1	5
Other plastics product manufacturing	<1	83	47	369
Tire manufacturing	<1	38	30	206
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	4
Other rubber product manufacturing	<1	3	2	15
Pottery, ceramics, and plumbing fixture manufacturing	<1	9	12	22
Brick, tile, and other structural clay product manufacturing	<1	13	18	35
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	12	18	35
Cement manufacturing	<1	14	25	80
Ready-mix concrete manufacturing	<1	64	90	334
Concrete block and brick manufacturing	<1	14	21	58
Concrete pipe manufacturing	<1	7	10	31
Other concrete product manufacturing	<1	35	45	123
Lime manufacturing	<1	19	30	73
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	30	36	83
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	2	3	9
Iron and steel mills and ferroalloy manufacturing	<1	19	34	324
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0

## Appendix

Rolled steel shape manufacturing	<1	10	22	158
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	8	10	83
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	1	2	10
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	2	2	7
Nonferrous metal foundries	<1	4	5	15
Custom roll forming	<1	6	6	45
Crown and closure manufacturing and metal stamping	<1	8	8	32
Iron and steel forging	<1	4	4	24
Nonferrous forging	<1	2	2	12
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	3
Prefabricated metal buildings and components manufacturing	<1	6	6	32
Fabricated structural metal manufacturing	<1	8	8	40
Plate work manufacturing	<1	25	26	89
Metal window and door manufacturing	<1	13	13	61
Sheet metal work manufacturing	<1	12	12	44
Ornamental and architectural metal work manufacturing	<1	7	7	29
Power boiler and heat exchanger manufacturing	<1	2	2	6
Metal tank (heavy gauge) manufacturing	<1	5	5	17
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	2	2	11
Hardware manufacturing	<1	7	7	33
Spring and wire product manufacturing	<1	5	5	20

Appendix

Machine shops	<1	81	82	203
Turned product and screw, nut, and bolt manufacturing	<1	3	3	13
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	13	14	71
Electroplating, anodizing, and coloring metal	<1	3	3	8
Valve and fittings, other than plumbing, manufacturing	<1	29	31	170
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	19	22	81
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	6	6	38
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	3
Other fabricated metal manufacturing	<1	8	8	34
Farm machinery and equipment manufacturing	<1	6	10	51
Lawn and garden equipment manufacturing	<1	2	3	15
Construction machinery manufacturing	<1	4	7	28
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	0	<1	<1
Optical instrument and lens manufacturing	<1	0	0	<1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	2	2	9

Appendix

Air purification and ventilation equipment manufacturing	<1	12	14	44
Heating equipment (except warm air furnaces) manufacturing	<1	1	2	8
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5	7	29
Industrial mold manufacturing	<1	1	1	3
Special tool, die, jig, and fixture manufacturing	<1	2	2	4
Cutting tool and machine tool accessory manufacturing	<1	6	6	17
Machine tool manufacturing	<1	4	5	20
Rolling mill and other metalworking machinery manufacturing	<1	2	2	7
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	34	41	150
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	5
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	4
Industrial truck, trailer, and stacker manufacturing	<1	2	3	12
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	13	15	47
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	3	4	15
Fluid power pump and motor manufacturing	<1	<1	<1	4

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	1	5
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	3	3	12
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	6
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	5	4	34
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	3	26
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	<1	3
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	4
Electromedical and electrotherapeutic apparatus manufacturing	<1	0	0	<1
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	<1	6	7	26
Industrial process variable instruments manufacturing	<1	<1	<1	3
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	2
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0



Appendix

Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	0	0	<1
Small electrical appliance manufacturing	<1	0	<1	1
Household cooking appliance manufacturing	<1	0	2	4
Household refrigerator and home freezer manufacturing	<1	0	1	4
Household laundry equipment manufacturing	<1	1	4	8
Other major household appliance manufacturing	<1	0	1	1
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	2	6	15
Switchgear and switchboard apparatus manufacturing	<1	0	0	<1
Relay and industrial control manufacturing	<1	3	5	16
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	0	0	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	17	19	84
Truck trailer manufacturing	<1	2	2	10
Motor home manufacturing	<1	60	84	474
Travel trailer and camper manufacturing	<1	10	11	63

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	43	49	232
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	134	149	871
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	0	0	<1
Other aircraft parts and auxiliary equipment manufacturing	<1	0	0	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	4	17	35
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	4	14
Wood kitchen cabinet and countertop manufacturing	<1	76	77	200
Upholstered household furniture manufacturing	<1	<1	<1	<1
Nonupholstered wood household furniture manufacturing	<1	19	20	58
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	<1

Appendix

Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	2	2	8
Mattress manufacturing	<1	1	2	10
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	2	6	12
Surgical appliance and supplies manufacturing	<1	61	203	339
Dental equipment and supplies manufacturing	<1	<1	<1	2
Ophthalmic goods manufacturing	<1	<1	1	2
Dental laboratories	<1	2	3	5
Jewelry and silverware manufacturing	<1	33	82	173
Sporting and athletic goods manufacturing	<1	0	0	<1
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	<1	3
Sign manufacturing	<1	674	675	1,555
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	<1	<1	2
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	<1	1	4
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	3	7	19
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	452	886	2,200
Wholesale - Professional and commercial equipment and supplies	<1	1,664	2,595	4,708
Wholesale - Household appliances and electrical and electronic goods	<1	546	1,183	2,887
Wholesale - Machinery, equipment, and supplies	<1	1,675	2,824	5,418
Wholesale - Other durable goods merchant wholesalers	<1	1,369	2,232	5,014

## Appendix

Wholesale - Drugs and druggists'sundries	<1	866	1,888	4,313
Wholesale - Grocery and related product wholesalers	<1	845	1,191	2,486
Wholesale - Petroleum and petroleum products	<1	250	2,534	3,559
Wholesale - Other nondurable goods merchant wholesalers	<1	2,601	4,919	10,829
Wholesale - Wholesale electronic markets and agents and brokers	<1	418	464	545
Retail - Motor vehicle and parts dealers	<1	1,632	2,395	3,408
Retail - Furniture and home furnishings stores	<1	816	1,177	2,002
Retail - Electronics and appliance stores	<1	895	812	1,413
Retail - Building material and garden equipment and supplies stores	<1	1,001	1,978	2,822
Retail - Food and beverage stores	<1	2,351	3,579	6,358
Retail - Health and personal care stores	<1	1,389	1,761	2,702
Retail - Gasoline stores	<1	797	1,817	3,511
Retail - Clothing and clothing accessories stores	<1	874	1,549	3,380
Retail - Sporting goods, hobby, musical instrument and book stores	<1	709	1,005	1,737
Retail - General merchandise stores	<1	2,512	2,779	5,386
Retail - Miscellaneous store retailers	<1	2,091	2,137	3,009
Retail - Nonstore retailers	<1	1,278	6,484	12,819
Air transportation	<1	207	982	1,651
Rail transportation	<1	234	654	1,211
Water transportation	<1	4	5	33
Truck transportation	<1	2,811	3,954	8,360
Transit and ground passenger transportation	<1	754	963	1,372
Pipeline transportation	<1	184	456	859
Scenic and sightseeing transportation and support activities for transportation	<1	1,147	1,047	1,668
Couriers and messengers	<1	1,459	2,423	2,939
Warehousing and storage	<1	702	746	1,425
Newspaper publishers	<1	566	981	1,580
Periodical publishers	<1	128	208	475
Book publishers	<1	129	366	895

Appendix

Directory, mailing list, and other publishers	<1	10	24	54
Greeting card publishing	0	0	0	0
Software publishers	<1	438	840	1,377
Motion picture and video industries	<1	353	624	1,715
Sound recording industries	<1	29	265	713
Radio and television broadcasting	<1	5,082	5,982	11,770
Cable and other subscription programming	<1	173	498	1,255
Wired telecommunications carriers	<1	1,699	4,134	7,652
Wireless telecommunications carriers (except satellite)	<1	97	860	1,885
Satellite, telecommunications resellers, and all other telecommunications	<1	64	84	197
Data processing, hosting, and related services	<1	585	1,262	3,928
News syndicates, libraries, archives and all other information services	<1	55	85	224
Internet publishing and broadcasting and web search portals	<1	5,034	13,042	93,021
Nondepository credit intermediation and related activities	<1	4,717	4,930	6,483
Securities and commodity contracts intermediation and brokerage	<1	1,782	1,415	4,253
Monetary authorities and depository credit intermediation	<1	6,980	33,518	34,851
Other financial investment activities	<1	2,141	2,494	9,433
Direct life insurance carriers	<1	1,036	2,593	3,841
Insurance carriers, except direct life	<1	1,671	6,997	14,722
Insurance agencies, brokerages, and related activities	<1	3,079	5,655	14,064
Funds, trusts, and other financial vehicles	<1	503	1,132	4,489
Other real estate	<1	5,551	12,733	34,636
Tenant-occupied housing	<1	1,318	7,062	8,078
Owner-occupied dwellings	0	0	33,578	40,523
Automotive equipment rental and leasing	<1	320	778	1,080

Appendix

General and consumer goods rental except video tapes and discs	<1	604	963	1,432
Video tape and disc rental	<1	170	295	470
Commercial and industrial machinery and equipment rental and leasing	<1	753	1,624	2,242
Lessors of nonfinancial intangible assets	<1	5	874	930
Legal services	<1	2,452	4,544	6,893
Accounting, tax preparation, bookkeeping, and payroll services	<1	2,647	3,533	5,894
Architectural, engineering, and related services	<1	1,284	1,472	2,796
Specialized design services	<1	60	128	248
Custom computer programming services	<1	2,421	2,658	3,754
Computer systems design services	<1	1,587	1,540	2,062
Other computer related services, including facilities management	<1	359	501	992
Management consulting services	<1	4,141	4,436	7,194
Environmental and other technical consulting services	<1	890	1,035	1,702
Scientific research and development services	<1	35,731	44,762	103,709
Advertising, public relations, and related services	<1	1,765	3,095	7,316
Photographic services	<1	63	223	462
Veterinary services	<1	469	559	884
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	610	1,088	2,855
Management of companies and enterprises	<1	9,952	10,729	17,058
Office administrative services	<1	2,072	807	2,381
Facilities support services	<1	72	98	219
Employment services	<1	5,265	7,239	11,163
Business support services	<1	1,363	1,217	2,135
Travel arrangement and reservation services	<1	191	307	1,127
Investigation and security services	<1	440	460	662
Services to buildings	<1	963	1,430	3,167
Landscape and horticultural services	<1	744	961	1,868
Other support services	<1	448	587	1,215
Waste management and remediation services	<1	401	614	1,483

Appendix

Elementary and secondary schools	<1	465	417	531
Junior colleges, colleges, universities, and professional schools	<1	10,880	14,212	21,966
Other educational services	<1	443	497	1,156
Offices of physicians	<1	11,021	11,093	14,808
Offices of dentists	<1	2,864	3,436	4,464
Offices of other health practitioners	<1	1,941	2,964	3,789
Outpatient care centers	<1	896	887	1,481
Medical and diagnostic laboratories	<1	399	650	818
Home health care services	<1	1,444	1,439	1,860
Other ambulatory health care services	<1	921	1,091	1,698
Hospitals	<1	35,790	39,145	73,554
Nursing and community care facilities	<1	3,583	3,716	5,413
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,985	1,851	2,414
Individual and family services	<1	2,056	1,749	2,387
Child day care services	<1	1,319	1,517	2,287
Community food, housing, and other relief services, including rehabilitation services	<1	1,309	1,233	2,668
Performing arts companies	<1	172	312	693
Commercial Sports Except Racing	<1	253	243	545
Racing and Track Operation	<1	43	61	161
Independent artists, writers, and performers	<1	291	662	1,384
Promoters of performing arts and sports and agents for public figures	<1	506	1,036	3,369
Museums, historical sites, zoos, and parks	<1	232	274	529
Amusement parks and arcades	<1	50	83	110
Gambling industries (except casino hotels)	<1	503	1,971	2,765
Other amusement and recreation industries	<1	499	443	742
Fitness and recreational sports centers	<1	214	302	496
Bowling centers	<1	69	119	207
Hotels and motels, including casino hotels	<1	112	367	523
Other accommodations	<1	36	45	65

Appendix

Full-service restaurants	<1	4,002	5,470	11,496
Limited-service restaurants	<1	3,780	5,659	13,584
All other food and drinking places	<1	2,859	4,702	7,796
Automotive repair and maintenance, except car washes	<1	3,804	4,617	6,661
Car washes	<1	1,980	2,981	4,426
Electronic and precision equipment repair and maintenance	<1	465	632	1,028
Commercial and industrial machinery and equipment repair and maintenance	<1	41,447	46,219	70,338
Personal and household goods repair and maintenance	<1	281	499	735
Personal care services	<1	1,329	914	1,102
Death care services	<1	273	213	288
Dry-cleaning and laundry services	<1	460	336	424
Other personal services	<1	558	740	1,035
Religious organizations	<1	4,744	2,457	7,033
Grantmaking, giving, and social advocacy organizations	<1	1,267	3,745	5,406
Business and professional associations	<1	688	1,147	2,065
Labor and civic organizations	<1	687	2,011	3,736
Private households	<1	229	229	229
Postal service	<1	1,947	1,957	1,958
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	110	-4,191	76
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	0	0	0	0
Local government electric utilities	<1	93	313	712
Other local government enterprises	<1	1,664	3,971	10,389
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	337,932	519,140	742,840

## Investments in Climate Change Research and Technology

**Table 750: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>139</i>	<i>12,164,764</i>	<i>18,768,329</i>	<i>25,201,009</i>
Oilseed farming	<1	67,030	176,994	234,706
Grain farming	<1	19,019	31,779	107,967
Vegetable and melon farming	<1	296	498	907
Fruit farming	<1	261	411	568
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	725	1,317	2,914
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,210	3,626	7,817
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	16,103	29,606	70,070
Dairy cattle and milk production	<1	2,461	4,413	21,856
Poultry and egg production	<1	1,006	1,886	26,508
Animal production, except cattle and poultry and eggs	<1	14,449	37,315	41,342
Forestry, forest products, and timber tract production	<1	61	76	105

Appendix

Commercial logging	<1	742	931	1,351
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	17	1,288	1,780
Support activities for agriculture and forestry	<1	2,741	3,043	3,444
Oil and gas extraction	<1	341	736	35,259
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	2,746	8,265	18,030
Iron ore mining	0	0	0	0
Gold ore mining	<1	406	922	2,459
Silver ore mining	<1	65	119	310
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	492	1,328	2,872
Sand and gravel mining	<1	540	916	1,912
Other clay, ceramic, refractory minerals mining	<1	107	186	403
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	4	5	21
Metal mining services	<1	137	140	1,076
Other nonmetallic minerals services	<1	3	5	45
Electric power generation - Hydroelectric	<1	660	1,603	3,129
Electric power generation - Fossil fuel	<1	4,080	17,211	43,786
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	2,063	19,525	37,987
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	24,584	94,078	240,661

Appendix

Natural gas distribution	<1	6,330	23,107	50,322
Water, sewage and other systems	<1	1,522	3,390	6,615
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	17,441	20,144	60,887
Maintenance and repair construction of residential structures	<1	12,884	15,542	42,546
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	18	22	64
Dog and cat food manufacturing	<1	819	1,935	8,100
Other animal food manufacturing	<1	1,218	1,984	18,010
Flour milling	<1	137	271	2,072
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	228	1,240	11,114
Fats and oils refining and blending	<1	28	69	627
Breakfast cereal manufacturing	<1	91	204	766
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	268	365	1,774

Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	14	19	216
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	982	1,300	6,104
Canned fruits and vegetables manufacturing	<1	57	102	459
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	2,763	3,727	35,625
Dry, condensed, and evaporated dairy product manufacturing	<1	438	966	6,169
Fluid milk manufacturing	<1	641	965	6,292
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	784	1,161	1,878
Poultry processing	<1	4,783	5,720	34,775
Animal, except poultry, slaughtering	<1	8,837	10,356	80,076
Meat processed from carcasses	<1	2,299	2,177	20,920
Rendering and meat byproduct processing	<1	71	66	465
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	965	1,474	4,543
Cookie and cracker manufacturing	<1	820	1,103	4,025
Dry pasta, mixes, and dough manufacturing	<1	576	1,228	4,560
Tortilla manufacturing	<1	446	576	2,000
Roasted nuts and peanut butter manufacturing	<1	168	325	1,771
Other snack food manufacturing	<1	122	205	1,199
Coffee and tea manufacturing	<1	3	4	29
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	418	573	3,457
Bottled and canned soft drinks & water	<1	191	308	2,147
Manufactured ice	<1	34	23	152

Appendix

Breweries	<1	448	858	4,173
Wineries	<1	596	942	4,774
Distilleries	<1	20	78	294
Tobacco product manufacturing	<1	218	5,294	13,567
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	20
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	2	3	23
Textile bag and canvas mills	<1	386	534	1,566
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	50	62	224
Hosiery and sock mills	<1	2	4	10
Other apparel knitting mills	<1	2	4	11
Cut and sew apparel contractors	<1	4	4	27
Men's and boys' cut and sew apparel manufacturing	<1	2	2	17
Women's and girls' cut and sew apparel manufacturing	<1	2	2	42
Other cut and sew apparel manufacturing	<1	2	2	13
Apparel accessories and other apparel manufacturing	<1	3	5	15
Leather and hide tanning and finishing	<1	15	12	214
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	5	5	34
Sawmills	<1	671	1,102	4,642
Wood preservation	<1	166	413	1,833
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	575	875	3,012
Reconstituted wood product manufacturing	<1	191	510	2,181
Wood windows and door manufacturing	<1	1,588	2,026	5,868
Cut stock, resawing lumber, and planing	<1	797	1,457	4,704

Appendix

Other millwork, including flooring	<1	15	22	104
Wood container and pallet manufacturing	<1	828	1,077	3,172
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	182	294	912
All other miscellaneous wood product manufacturing	<1	198	273	1,016
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	2,275	2,960	15,644
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	97	113	489
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	7,475	12,099	25,209
Support activities for printing	<1	6	10	16
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	64	82	752
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	3,288	3,560	21,508
Plastics material and resin manufacturing	<1	531	515	2,134
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	114	123	426

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	8	7	20
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	17	14	44
Pharmaceutical preparation manufacturing	<1	50	49	161
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	195	191	712
Polish and other sanitation good manufacturing	<1	390	340	703
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	76	73	228
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	152	150	339
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	1,011	1,125	3,352
Other miscellaneous chemical product manufacturing	<1	209	192	560
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	794	325	3,825
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	110	-104	727
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	238	43	1,303
Urethane and other foam product (except polystyrene) manufacturing	<1	15	6	92
Plastics bottle manufacturing	<1	11	5	66
Other plastics product manufacturing	<1	1,208	669	5,543
Tire manufacturing	<1	540	413	2,957

Appendix

Rubber and plastics hoses and belting manufacturing	<1	5	2	36
Other rubber product manufacturing	<1	32	25	186
Pottery, ceramics, and plumbing fixture manufacturing	<1	187	259	454
Brick, tile, and other structural clay product manufacturing	<1	277	412	778
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	254	390	767
Cement manufacturing	<1	256	491	1,524
Ready-mix concrete manufacturing	<1	1,234	1,803	6,557
Concrete block and brick manufacturing	<1	257	399	1,082
Concrete pipe manufacturing	<1	157	233	675
Other concrete product manufacturing	<1	760	1,030	2,765
Lime manufacturing	<1	383	685	1,575
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	633	767	1,787
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	23	45	130
Iron and steel mills and ferroalloy manufacturing	<1	333	612	5,684
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	142	323	2,185
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	46	62	483
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	10	12	80
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0



## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	31	40	132
Nonferrous metal foundries	<1	39	45	150
Custom roll forming	<1	58	60	475
Crown and closure manufacturing and metal stamping	<1	95	97	406
Iron and steel forging	<1	61	63	362
Nonferrous forging	<1	30	31	161
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	3	4	24
Prefabricated metal buildings and components manufacturing	<1	104	107	592
Fabricated structural metal manufacturing	<1	168	172	875
Plate work manufacturing	<1	507	514	1,844
Metal window and door manufacturing	<1	207	215	1,034
Sheet metal work manufacturing	<1	266	269	1,013
Ornamental and architectural metal work manufacturing	<1	122	124	499
Power boiler and heat exchanger manufacturing	<1	23	23	97
Metal tank (heavy gauge) manufacturing	<1	53	54	200
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	39	39	218
Hardware manufacturing	<1	106	112	566
Spring and wire product manufacturing	<1	83	85	376
Machine shops	<1	840	848	2,148
Turned product and screw, nut, and bolt manufacturing	<1	14	15	68
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	101	103	539
Electroplating, anodizing, and coloring metal	<1	19	19	50
Valve and fittings, other than plumbing, manufacturing	<1	147	152	839
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	407	441	1,793
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	112	118	744
Fabricated pipe and pipe fitting manufacturing	<1	22	22	73
Other fabricated metal manufacturing	<1	104	106	485
Farm machinery and equipment manufacturing	<1	108	166	922
Lawn and garden equipment manufacturing	<1	26	38	212
Construction machinery manufacturing	<1	57	103	445
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	2	2	9
Photographic and photocopying equipment manufacturing	<1	<1	<1	3
Other commercial service industry machinery manufacturing	<1	10	14	61
Air purification and ventilation equipment manufacturing	<1	107	127	410
Heating equipment (except warm air furnaces) manufacturing	<1	16	21	107
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	44	64	261
Industrial mold manufacturing	<1	15	16	43
Special tool, die, jig, and fixture manufacturing	<1	13	15	31

Appendix

Cutting tool and machine tool accessory manufacturing	<1	27	30	82
Machine tool manufacturing	<1	18	21	81
Rolling mill and other metalworking machinery manufacturing	<1	21	26	71
Turbine and turbine generator set units manufacturing	<1	4	4	17
Speed changer, industrial high-speed drive, and gear manufacturing	<1	53	68	268
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	3	4	17
Air and gas compressor manufacturing	<1	5	6	22
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	11	12	38
Overhead cranes, hoists, and monorail systems manufacturing	<1	15	23	99
Industrial truck, trailer, and stacker manufacturing	<1	49	68	287
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	9	12	49
Packaging machinery manufacturing	<1	<1	2	5
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	16	21	72
Fluid power pump and motor manufacturing	<1	6	9	36
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7	8	32
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	4,701	4,869	17,842
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	1	6
Other communications equipment manufacturing	<1	4	3	33
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	189	167	1,321
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	144	142	1,682
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	10	9	47
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	39	37	191
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	2	7
Search, detection, and navigation instruments manufacturing	<1	<1	<1	4
Automatic environmental control manufacturing	<1	16	17	64
Industrial process variable instruments manufacturing	<1	6	5	26
Totalizing fluid meter and counting device manufacturing	<1	10	9	51
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	1	2	6
Small electrical appliance manufacturing	<1	3	15	31

Appendix

Household cooking appliance manufacturing	<1	6	34	65
Household refrigerator and home freezer manufacturing	<1	8	38	70
Household laundry equipment manufacturing	<1	25	73	178
Other major household appliance manufacturing	<1	4	23	37
Power, distribution, and specialty transformer manufacturing	<1	6	13	32
Motor and generator manufacturing	<1	19	64	157
Switchgear and switchboard apparatus manufacturing	<1	<1	2	4
Relay and industrial control manufacturing	<1	22	43	134
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	427	490	2,118
Truck trailer manufacturing	<1	59	65	291
Motor home manufacturing	<1	2,857	3,917	23,313
Travel trailer and camper manufacturing	<1	321	360	2,093
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	908	1,048	5,415
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	3,125	3,632	20,838

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	<1	1	4
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	3
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	111	597	1,113
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	54	143	513
Wood kitchen cabinet and countertop manufacturing	<1	1,539	1,614	4,240
Upholstered household furniture manufacturing	<1	3	3	17
Nonupholstered wood household furniture manufacturing	<1	411	421	1,273
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	2	2	8
Custom architectural woodwork and millwork	<1	4	3	12
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	35	37	141
Mattress manufacturing	<1	33	38	244
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	33	76	159
Surgical appliance and supplies manufacturing	<1	1,112	3,454	6,222

Appendix

Dental equipment and supplies manufacturing	<1	6	16	30
Ophthalmic goods manufacturing	<1	9	28	52
Dental laboratories	<1	39	51	98
Jewelry and silverware manufacturing	<1	786	1,847	4,005
Sporting and athletic goods manufacturing	<1	<1	2	8
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	5	12	50
Sign manufacturing	<1	6,292	6,171	14,684
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	4	5	18
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	6	13	43
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	68	126	377
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	7,807	15,599	38,189
Wholesale - Professional and commercial equipment and supplies	<1	24,847	39,016	71,376
Wholesale - Household appliances and electrical and electronic goods	<1	10,046	22,451	54,690
Wholesale - Machinery, equipment, and supplies	<1	12,875	22,033	42,282
Wholesale - Other durable goods merchant wholesalers	<1	21,368	35,429	79,568
Wholesale - Drugs and druggists'sundries	<1	17,081	38,721	89,549
Wholesale - Grocery and related product wholesalers	<1	16,872	24,341	50,929
Wholesale - Petroleum and petroleum products	<1	6,533	50,933	74,074
Wholesale - Other nondurable goods merchant wholesalers	<1	43,688	80,523	181,483
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,788	8,750	10,388
Retail - Motor vehicle and parts dealers	<1	34,588	51,061	73,264
Retail - Furniture and home furnishings stores	<1	16,392	23,782	41,127

Appendix

Retail - Electronics and appliance stores	<1	18,130	16,406	29,515
Retail - Building material and garden equipment and supplies stores	<1	17,819	35,894	51,743
Retail - Food and beverage stores	2	46,064	71,053	128,042
Retail - Health and personal care stores	<1	28,320	36,184	56,840
Retail - Gasoline stores	<1	16,436	39,454	78,254
Retail - Clothing and clothing accessories stores	<1	17,861	32,503	73,096
Retail - Sporting goods, hobby, musical instrument and book stores	<1	13,713	19,736	35,017
Retail - General merchandise stores	1	53,061	59,331	116,494
Retail - Miscellaneous store retailers	<1	40,722	42,166	61,378
Retail - Nonstore retailers	1	25,412	130,143	258,693
Air transportation	<1	3,513	15,867	27,709
Rail transportation	<1	4,324	12,932	23,066
Water transportation	<1	64	69	547
Truck transportation	<1	49,289	70,554	153,875
Transit and ground passenger transportation	<1	7,302	9,729	15,762
Pipeline transportation	<1	5,514	10,855	21,503
Scenic and sightseeing transportation and support activities for transportation	<1	16,127	15,310	24,291
Couriers and messengers	<1	14,398	25,738	31,145
Warehousing and storage	<1	11,899	12,568	24,540
Newspaper publishers	<1	4,445	6,849	11,830
Periodical publishers	<1	757	1,052	2,729
Book publishers	<1	539	1,269	3,503
Directory, mailing list, and other publishers	<1	72	156	376
Greeting card publishing	0	0	0	0
Software publishers	<1	5,659	9,777	17,029
Motion picture and video industries	<1	4,451	7,615	23,831
Sound recording industries	<1	359	3,028	8,985
Radio and television broadcasting	<1	39,489	47,575	108,320
Cable and other subscription programming	<1	1,286	3,756	10,213
Wired telecommunications carriers	<1	25,095	59,947	113,865



Appendix

Wireless telecommunications carriers (except satellite)	<1	1,881	15,001	34,858
Satellite, telecommunications resellers, and all other telecommunications	<1	679	968	2,187
Data processing, hosting, and related services	<1	8,273	17,523	57,440
News syndicates, libraries, archives and all other information services	<1	559	842	2,403
Internet publishing and broadcasting and web search portals	<1	3,379	9,260	50,385
Nondepository credit intermediation and related activities	<1	83,640	86,914	118,541
Securities and commodity contracts intermediation and brokerage	<1	30,525	25,067	86,502
Monetary authorities and depository credit intermediation	<1	139,283	561,878	635,982
Other financial investment activities	1	31,421	36,428	162,084
Direct life insurance carriers	<1	22,554	55,680	87,379
Insurance carriers, except direct life	<1	31,845	130,918	291,541
Insurance agencies, brokerages, and related activities	<1	63,608	116,707	300,707
Funds, trusts, and other financial vehicles	<1	9,106	20,065	89,130
Other real estate	2	65,043	159,859	459,941
Tenant-occupied housing	<1	23,628	133,825	155,227
Owner-occupied dwellings	0	0	660,938	802,603
Automotive equipment rental and leasing	<1	5,523	12,997	18,699
General and consumer goods rental except video tapes and discs	<1	10,712	17,315	26,117
Video tape and disc rental	<1	3,546	6,269	9,996
Commercial and industrial machinery and equipment rental and leasing	<1	6,331	13,515	19,055
Lessors of nonfinancial intangible assets	<1	82	12,484	13,376
Legal services	<1	34,911	62,060	96,817
Accounting, tax preparation, bookkeeping, and payroll services	<1	30,683	39,686	68,930
Architectural, engineering, and related services	<1	17,710	20,040	38,880
Specialized design services	<1	836	1,704	3,516

Appendix

Custom computer programming services	<1	8,765	9,627	13,928
Computer systems design services	<1	13,027	12,594	17,229
Other computer related services, including facilities management	<1	2,682	3,770	7,600
Management consulting services	<1	47,915	51,136	86,245
Environmental and other technical consulting services	<1	10,430	11,934	20,259
Scientific research and development services	5	340,988	439,003	1,022,161
Advertising, public relations, and related services	<1	13,329	22,772	56,644
Photographic services	<1	1,114	3,570	8,123
Veterinary services	<1	9,081	10,615	17,317
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	5,264	9,136	25,015
Management of companies and enterprises	1	137,767	147,798	243,997
Office administrative services	<1	18,557	6,840	22,235
Facilities support services	<1	931	1,243	2,946
Employment services	1	61,125	82,418	136,957
Business support services	<1	22,046	19,428	36,655
Travel arrangement and reservation services	<1	3,164	5,104	19,976
Investigation and security services	<1	6,119	6,397	9,582
Services to buildings	<1	12,892	18,787	43,978
Landscape and horticultural services	<1	10,876	13,936	28,484
Other support services	<1	5,792	7,539	16,557
Waste management and remediation services	<1	7,358	11,423	27,934
Elementary and secondary schools	<1	7,760	7,055	9,172
Junior colleges, colleges, universities, and professional schools	1	37,205	49,344	77,681
Other educational services	<1	7,257	8,091	19,466
Offices of physicians	2	228,432	229,075	310,744
Offices of dentists	<1	56,405	66,297	87,648
Offices of other health practitioners	<1	40,667	59,488	77,488
Outpatient care centers	<1	16,790	16,528	27,695
Medical and diagnostic laboratories	<1	8,081	12,593	16,381
Home health care services	<1	27,715	27,500	36,317

Appendix

Other ambulatory health care services	<1	18,268	21,222	33,909
Hospitals	6	618,282	668,311	1,271,011
Nursing and community care facilities	<1	63,586	65,673	99,603
Residential mental retardation, mental health, substance abuse and other facilities	<1	31,391	29,206	39,487
Individual and family services	<1	32,693	27,247	38,718
Child day care services	<1	23,881	25,766	40,512
Community food, housing, and other relief services, including rehabilitation services	<1	19,704	18,436	42,122
Performing arts companies	<1	2,554	4,676	11,301
Commercial Sports Except Racing	<1	3,374	2,962	7,100
Racing and Track Operation	<1	698	1,082	3,045
Independent artists, writers, and performers	<1	3,405	8,122	17,755
Promoters of performing arts and sports and agents for public figures	<1	6,955	14,996	53,096
Museums, historical sites, zoos, and parks	<1	3,858	4,507	9,163
Amusement parks and arcades	<1	919	1,508	2,066
Gambling industries (except casino hotels)	<1	8,718	33,401	48,238
Other amusement and recreation industries	<1	8,810	7,795	13,458
Fitness and recreational sports centers	<1	3,607	4,869	8,466
Bowling centers	<1	1,352	2,251	4,097
Hotels and motels, including casino hotels	<1	1,733	5,997	8,621
Other accommodations	<1	556	715	1,048
Full-service restaurants	3	73,371	101,402	219,458
Limited-service restaurants	3	74,504	112,671	282,872
All other food and drinking places	2	48,348	80,670	137,702
Automotive repair and maintenance, except car washes	1	67,908	87,392	127,081
Car washes	<1	38,694	58,911	88,440
Electronic and precision equipment repair and maintenance	2	143,717	196,458	316,612
Commercial and industrial machinery and equipment repair and maintenance	<1	50,569	57,628	96,692
Personal and household goods repair and maintenance	<1	4,408	8,746	12,798

Appendix

Personal care services	<1	25,262	20,664	24,472
Death care services	<1	5,096	4,582	6,126
Dry-cleaning and laundry services	<1	9,135	7,855	9,772
Other personal services	<1	10,684	14,829	20,957
Religious organizations	1	74,169	47,453	121,125
Grantmaking, giving, and social advocacy organizations	<1	17,351	62,812	88,682
Business and professional associations	<1	10,532	20,357	36,611
Labor and civic organizations	<1	10,313	37,113	66,463
Private households	<1	4,520	4,520	4,540
Postal service	<1	22,506	22,608	22,784
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,089	-74,023	1,343
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	0	0	0	0
Local government electric utilities	<1	1,895	7,410	16,615
Other local government enterprises	<1	30,583	101,914	226,717
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	67	7,809,012	11,418,722	11,418,626

## Tennessee

## NASA

Table 751: Detailed NASA Impacts by Types of Impact, Tennessee

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>984</i>	<i>85,704,755</i>	<i>129,390,437</i>	<i>224,263,323</i>
Oilseed farming	1	34,545	164,101	313,231
Grain farming	2	21,945	37,862	243,692
Vegetable and melon farming	<1	5,390	11,741	31,499
Fruit farming	<1	729	1,499	3,125
Tree nut farming	<1	64	141	305
Greenhouse, nursery, and floriculture production	<1	6,703	13,507	39,159
Tobacco farming	<1	6,498	8,983	27,007
Cotton farming	<1	1,870	3,435	9,320
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	4,465	7,686	24,608
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	8,662	30,785	98,454
Dairy cattle and milk production	<1	979	2,757	16,677
Poultry and egg production	<1	3,313	11,397	111,211
Animal production, except cattle and poultry and eggs	3	24,556	100,064	150,438
Forestry, forest products, and timber tract production	<1	1,939	2,149	2,897
Commercial logging	<1	21,257	21,054	34,303
Commercial fishing	<1	-1,552	786	876
Commercial hunting and trapping	<1	40	361	953
Support activities for agriculture and forestry	1	42,753	42,115	48,588
Oil and gas extraction	<1	1,406	3,380	226,662
Coal mining	<1	88	257	446
Copper, nickel, lead, and zinc mining	<1	52,499	221,689	424,062
Iron ore mining	0	0	0	0
Gold ore mining	<1	153	425	737
Silver ore mining	<1	32	63	112
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	15,562	54,828	94,157
Sand and gravel mining	<1	15,800	26,265	41,377

## Appendix

Other clay, ceramic, refractory minerals mining	<1	675	1,264	2,531
Potash, soda, and borate mineral mining	<1	157	222	370
Phosphate rock mining	<1	59	106	176
Other chemical and fertilizer mineral mining	<1	13	19	32
Other nonmetallic minerals	<1	319	540	893
Drilling oil and gas wells	<1	<1	1	6
Support activities for oil and gas operations	<1	21	32	129
Metal mining services	<1	58	84	2,235
Other nonmetallic minerals services	<1	17	28	369
Electric power generation – Hydroelectric	<1	806	3,074	4,858
Electric power generation - Fossil fuel	<1	2,097	13,251	21,585
Electric power generation – Nuclear	0	0	0	0
Electric power generation - Solar	<1	1,201	4,272	5,900
Electric power generation - Wind	<1	68	975	1,255
Electric power generation – Geothermal	<1	632	1,984	2,770
Electric power generation – Biomass	<1	1,928	10,232	21,440
Electric power generation - All other	<1	1,500	1,253	2,065
Electric power transmission and distribution	<1	68,731	452,723	819,194
Natural gas distribution	<1	25,374	168,116	268,328
Water, sewage and other systems	<1	12,708	41,582	59,618
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	39	3,216,189	2,426,681	5,506,688
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	223,211	254,477	694,910
Maintenance and repair construction of residential structures	2	112,921	135,627	333,963
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	113	133	356
Dog and cat food manufacturing	<1	8,726	30,591	89,687
Other animal food manufacturing	<1	5,297	11,926	76,354
Flour milling	<1	3,616	10,121	46,699
Rice milling	<1	1,669	3,844	13,531
Malt manufacturing	0	0	0	0
Wet corn milling	<1	24,908	71,746	302,911
Soybean and other oilseed processing	<1	4,851	45,475	206,117
Fats and oils refining and blending	<1	483	1,771	13,050
Breakfast cereal manufacturing	<1	13,176	44,663	87,513
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	273	1,114	4,119
Nonchocolate confectionery manufacturing	<1	9,104	14,953	45,352
Chocolate and confectionery manufacturing from cacao beans	<1	474	824	2,436
Confectionery manufacturing from purchased chocolate	<1	7,066	12,359	38,597
Frozen fruits, juices and vegetables manufacturing	<1	10,624	30,127	83,198
Frozen specialties manufacturing	<1	10,318	16,466	53,168
Canned fruits and vegetables manufacturing	<1	5,926	14,690	31,543
Canned specialties	<1	753	2,365	9,291
Dehydrated food products manufacturing	<1	31	72	259
Cheese manufacturing	<1	5,948	9,886	86,018
Dry, condensed, and evaporated dairy product manufacturing	<1	4,382	14,509	66,175
Fluid milk manufacturing	<1	8,563	16,864	77,372
Creamery butter manufacturing	<1	825	4,074	18,746
Ice cream and frozen dessert manufacturing	<1	325	549	2,585



## Appendix

Frozen cakes and other pastries manufacturing	<1	15,623	26,289	40,717
Poultry processing	<1	61,168	83,948	351,395
Animal, except poultry, slaughtering	<1	15,490	20,354	146,278
Meat processed from carcasses	<1	22,913	22,496	143,056
Rendering and meat byproduct processing	<1	867	963	5,334
Seafood product preparation and packaging	<1	342	567	2,127
Bread and bakery product, except frozen, manufacturing	<1	29,874	49,351	106,987
Cookie and cracker manufacturing	<1	22,988	38,563	94,565
Dry pasta, mixes, and dough manufacturing	<1	3,819	11,871	33,953
Tortilla manufacturing	<1	2,058	3,146	8,535
Roasted nuts and peanut butter manufacturing	<1	1,462	1,804	10,821
Other snack food manufacturing	<1	14,886	57,155	138,076
Coffee and tea manufacturing	<1	4,822	11,404	43,219
Flavoring syrup and concentrate manufacturing	<1	140	1,625	2,130
Mayonnaise, dressing, and sauce manufacturing	<1	2,113	5,218	18,622
Spice and extract manufacturing	<1	247	497	1,935
All other food manufacturing	<1	5,117	8,500	27,757
Bottled and canned soft drinks & water	<1	22,163	52,828	197,146
Manufactured ice	<1	1,165	1,037	4,065
Breweries	<1	6,919	17,774	57,923
Wineries	<1	5,638	13,034	46,794
Distilleries	<1	22,013	101,835	236,683
Tobacco product manufacturing	<1	7,743	273,546	405,182
Fiber, yarn, and thread mills	<1	4,871	5,564	24,114
Broadwoven fabric mills	<1	348	417	1,746
Narrow fabric mills and schiffli machine embroidery	<1	230	240	810
Nonwoven fabric mills	<1	6,248	7,450	34,510
Knit fabric mills	<1	326	362	1,360
Textile and fabric finishing mills	<1	985	1,114	5,106
Fabric coating mills	<1	1,306	1,419	5,965
Carpet and rug mills	<1	1,177	1,440	5,750
Curtain and linen mills	<1	283	315	1,385
Textile bag and canvas mills	<1	2,243	2,510	8,727
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,671	4,357	14,422

## Appendix

Other textile product mills	<1	2,263	2,436	7,476
Hosiery and sock mills	<1	1,024	952	2,484
Other apparel knitting mills	<1	854	800	2,125
Cut and sew apparel contractors	<1	1,425	1,455	2,900
Men's and boys' cut and sew apparel manufacturing	<1	1,960	1,823	4,684
Women's and girls' cut and sew apparel manufacturing	<1	2,209	1,505	7,860
Other cut and sew apparel manufacturing	<1	1,020	904	2,951
Apparel accessories and other apparel manufacturing	<1	534	516	1,355
Leather and hide tanning and finishing	<1	248	215	1,561
Footwear manufacturing	<1	252	256	1,129
Other leather and allied product manufacturing	<1	223	217	733
Sawmills	<1	18,473	36,395	159,757
Wood preservation	<1	592	1,904	6,079
Veneer and plywood manufacturing	<1	1,197	2,021	7,128
Engineered wood member and truss manufacturing	<1	10,617	19,158	58,633
Reconstituted wood product manufacturing	<1	2,149	7,311	21,001
Wood windows and door manufacturing	<1	28,622	41,491	108,525
Cut stock, resawing lumber, and planning	<1	3,506	7,800	20,982
Other millwork, including flooring	<1	8,521	15,240	46,874
Wood container and pallet manufacturing	<1	10,082	14,941	42,054
Manufactured home (mobile home) manufacturing	<1	577	877	2,024
Prefabricated wood building manufacturing	<1	6,707	12,651	35,685
All other miscellaneous wood product manufacturing	<1	5,455	8,033	25,800
Pulp mills	<1	48	102	264
Paper mills	<1	36,002	130,139	273,327
Paperboard mills	<1	7,835	26,336	61,205
Paperboard container manufacturing	<1	34,207	72,679	245,850
Paper bag and coated and treated paper manufacturing	<1	15,730	35,351	93,139
Stationery product manufacturing	<1	4,698	7,461	20,332

## Appendix

Sanitary paper product manufacturing	<1	9,910	53,809	108,393
All other converted paper product manufacturing	<1	3,970	10,009	28,000
Printing	2	103,520	177,759	332,041
Support activities for printing	<1	4,017	6,949	9,586
Petroleum refineries	<1	20,591	175,413	965,038
Asphalt paving mixture and block manufacturing	<1	3,911	5,719	27,585
Asphalt shingle and coating materials manufacturing	<1	4,065	14,351	40,837
Petroleum lubricating oil and grease manufacturing	<1	582	1,511	4,413
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,353	19,312	82,294
Industrial gas manufacturing	<1	6,932	22,425	64,451
Synthetic dye and pigment manufacturing	<1	2,677	5,646	13,941
Other basic inorganic chemical manufacturing	<1	7,643	18,091	48,952
Other basic organic chemical manufacturing	<1	4,361	11,800	74,716
Plastics material and resin manufacturing	<1	10,064	20,385	155,147
Synthetic rubber manufacturing	<1	811	1,230	5,064
Artificial and synthetic fibers and filaments manufacturing	<1	121,985	186,301	616,497
Nitrogenous fertilizer manufacturing	<1	143	560	1,814
Phosphatic fertilizer manufacturing	<1	36	108	368
Fertilizer mixing	<1	55	119	282
Pesticide and other agricultural chemical manufacturing	<1	11,078	40,867	94,395
Medicinal and botanical manufacturing	<1	1,401	2,396	8,993
Pharmaceutical preparation manufacturing	<1	14,654	41,863	98,617
In-vitro diagnostic substance manufacturing	<1	45	68	161
Biological product (except diagnostic) manufacturing	<1	430	1,332	2,839
Paint and coating manufacturing	<1	5,914	12,782	43,594
Adhesive manufacturing	<1	2,177	3,715	12,624
Soap and other detergent manufacturing	<1	6,422	18,852	74,335
Polish and other sanitation good manufacturing	<1	5,017	8,701	24,060

## Appendix

Surface active agent manufacturing	<1	188	800	2,204
Toilet preparation manufacturing	<1	10,197	32,974	87,766
Printing ink manufacturing	<1	452	510	1,850
Explosives manufacturing	<1	1,632	1,919	6,402
Custom compounding of purchased resins	<1	2,764	5,335	19,000
Photographic film and chemical manufacturing	<1	330	772	3,462
Other miscellaneous chemical product manufacturing	<1	3,956	6,643	20,666
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	8,395	13,539	47,924
Unlaminated plastics profile shape manufacturing	<1	3,146	6,981	22,475
Plastics pipe and pipe fitting manufacturing	<1	7,343	20,659	72,357
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,345	2,253	6,759
Polystyrene foam product manufacturing	<1	3,919	7,027	28,224
Urethane and other foam product (except polystyrene) manufacturing	<1	3,530	6,104	28,312
Plastics bottle manufacturing	<1	2,452	3,863	18,645
Other plastics product manufacturing	<1	34,942	52,441	180,398
Tire manufacturing	<1	53,127	68,781	250,855
Rubber and plastics hoses and belting manufacturing	<1	2,855	4,566	16,225
Other rubber product manufacturing	<1	14,565	18,614	68,398
Pottery, ceramics, and plumbing fixture manufacturing	<1	5,942	8,849	19,827
Brick, tile, and other structural clay product manufacturing	<1	8,503	13,279	32,606
Flat glass manufacturing	<1	7,201	12,834	28,315
Other pressed and blown glass and glassware manufacturing	<1	791	1,231	3,103
Glass container manufacturing	<1	60	91	244
Glass product manufacturing made of purchased glass	<1	5,481	9,135	25,590
Cement manufacturing	<1	7,312	14,995	40,564
Ready-mix concrete manufacturing	<1	38,919	59,041	198,475
Concrete block and brick manufacturing	<1	12,878	20,884	54,098
Concrete pipe manufacturing	<1	6,906	10,419	30,915

## Appendix

Other concrete product manufacturing	<1	45,687	62,705	152,763
Lime manufacturing	<1	1,679	3,227	7,710
Gypsum product manufacturing	<1	18,795	46,754	107,544
Abrasive product manufacturing	<1	184	360	727
Cut stone and stone product manufacturing	<1	7,445	9,265	21,648
Ground or treated mineral and earth manufacturing	<1	8,503	17,336	38,023
Mineral wool manufacturing	<1	4,364	10,256	25,365
Miscellaneous nonmetallic mineral products manufacturing	<1	2,371	4,811	10,435
Iron and steel mills and ferroalloy manufacturing	<1	8,671	19,481	144,923
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,374	2,720	15,491
Rolled steel shape manufacturing	<1	4,581	13,208	61,363
Steel wire drawing	<1	1,512	2,695	11,232
Alumina refining and primary aluminum production	<1	464	717	3,566
Secondary smelting and alloying of aluminum	<1	740	1,329	13,235
Aluminum sheet, plate, and foil manufacturing	<1	17,321	32,791	123,131
Other aluminum rolling, drawing and extruding	<1	1,399	1,912	10,273
Nonferrous metal (exc aluminum) smelting and refining	<1	199	1,038	4,280
Copper rolling, drawing, extruding and alloying	<1	1,881	3,490	38,325
Nonferrous metal, except copper and aluminum, shaping	<1	1,703	2,017	8,840
Secondary processing of other nonferrous metals	<1	123	225	1,183
Ferrous metal foundries	<1	2,552	3,811	9,856
Nonferrous metal foundries	<1	5,651	7,070	16,251
Custom roll forming	<1	221	284	1,429
Crown and closure manufacturing and metal stamping	<1	5,515	6,650	23,116
Iron and steel forging	<1	8,338	10,304	44,297
Nonferrous forging	<1	208	248	1,121
Cutlery, utensil, pot, and pan manufacturing	<1	3,586	6,195	25,086
Handtool manufacturing	<1	2,445	3,424	8,759
Prefabricated metal buildings and components manufacturing	<1	38,869	50,858	173,168

## Appendix

Fabricated structural metal manufacturing	<1	29,095	38,872	145,734
Plate work manufacturing	<1	4,827	5,267	13,796
Metal window and door manufacturing	<1	11,311	14,285	47,696
Sheet metal work manufacturing	<1	6,873	8,495	24,766
Ornamental and architectural metal work manufacturing	<1	5,519	6,319	19,850
Power boiler and heat exchanger manufacturing	<1	626	784	2,386
Metal tank (heavy gauge) manufacturing	<1	3,309	3,827	13,188
Metal cans manufacturing	<1	1,284	2,032	12,121
Metal barrels, drums and pails manufacturing	<1	294	359	1,925
Hardware manufacturing	<1	1,169	1,565	6,871
Spring and wire product manufacturing	<1	4,130	5,022	18,982
Machine shops	<1	13,499	15,161	35,405
Turned product and screw, nut, and bolt manufacturing	<1	4,954	5,877	16,273
Metal heat treating	<1	1,577	1,914	5,623
Metal coating and nonprecious engraving	<1	4,350	6,525	22,408
Electroplating, anodizing, and coloring metal	<1	3,059	3,257	8,014
Valve and fittings, other than plumbing, manufacturing	<1	6,560	8,685	29,567
Plumbing fixture fitting and trim manufacturing	<1	7,418	14,018	71,289
Ball and roller bearing manufacturing	<1	1,357	1,911	6,532
Small arms ammunition manufacturing	<1	11,767	21,526	54,783
Ammunition, except for small arms, manufacturing	<1	10,157	10,960	20,522
Small arms, ordnance, and accessories manufacturing	<1	7,482	12,672	35,220
Fabricated pipe and pipe fitting manufacturing	<1	2,062	2,417	8,664
Other fabricated metal manufacturing	<1	30,693	37,538	125,374
Farm machinery and equipment manufacturing	<1	435	955	3,695
Lawn and garden equipment manufacturing	<1	845	1,713	7,704
Construction machinery manufacturing	<1	1,069	3,015	8,191
Mining machinery and equipment manufacturing	<1	30	48	135

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	3	5	18
Semiconductor machinery manufacturing	0	-640	-865	-3,539
Food product machinery manufacturing	<1	13	16	42
Sawmill, woodworking, and paper machinery	<1	75	89	260
Printing machinery and equipment manufacturing	<1	29	33	113
All other industrial machinery manufacturing	<1	145	200	569
Optical instrument and lens manufacturing	<1	123	199	561
Photographic and photocopying equipment manufacturing	<1	32	43	153
Other commercial service industry machinery manufacturing	<1	1,232	2,308	7,728
Air purification and ventilation equipment manufacturing	<1	459	647	1,584
Heating equipment (except warm air furnaces) manufacturing	<1	4,799	8,642	24,132
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10,436	20,678	59,449
Industrial mold manufacturing	<1	298	385	853
Special tool, die, jig, and fixture manufacturing	<1	765	1,117	2,121
Cutting tool and machine tool accessory manufacturing	<1	730	895	1,950
Machine tool manufacturing	<1	116	161	479
Rolling mill and other metalworking machinery manufacturing	<1	322	471	979
Turbine and turbine generator set units manufacturing	<1	4	4	15
Speed changer, industrial high-speed drive, and gear manufacturing	<1	112	180	487
Mechanical power transmission equipment manufacturing	<1	1,238	2,001	5,101
Other engine equipment manufacturing	<1	273	707	2,904
Pump and pumping equipment manufacturing	<1	236	465	1,326
Air and gas compressor manufacturing	<1	84	125	457
Elevator and moving stairway manufacturing	<1	440	620	2,000

## Appendix

Conveyor and conveying equipment manufacturing	<1	184	215	624
Overhead cranes, hoists, and monorail systems manufacturing	<1	111	233	786
Industrial truck, trailer, and stacker manufacturing	<1	63	120	382
Power-driven handtool manufacturing	<1	882	3,046	7,540
Welding and soldering equipment manufacturing	<1	73	126	369
Packaging machinery manufacturing	<1	20	33	92
Industrial process furnace and oven manufacturing	<1	15	19	44
Fluid power cylinder and actuator manufacturing	<1	300	468	1,302
Fluid power pump and motor manufacturing	<1	435	824	2,770
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	194	256	725
Electronic computer manufacturing	<1	102	139	1,126
Computer storage device manufacturing	<1	132	172	737
Computer terminals and other computer peripheral equipment manufacturing	<1	254	321	1,066
Telephone apparatus manufacturing	<1	14	20	59
Broadcast and wireless communications equipment manufacturing	<1	43	52	218
Other communications equipment manufacturing	<1	96	130	412
Audio and video equipment manufacturing	<1	325	464	2,783
Printed circuit assembly (electronic assembly) manufacturing	<1	4,583	6,046	22,238
Bare printed circuit board manufacturing	<1	507	582	1,706
Semiconductor and related device manufacturing	<1	265	381	2,833
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	237	276	1,248
Electronic connector manufacturing	<1	351	424	1,971
Other electronic component manufacturing	<1	584	667	2,356



## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	309	409	1,213
Search, detection, and navigation instruments manufacturing	<1	1	2	4
Automatic environmental control manufacturing	<1	5,633	6,788	20,385
Industrial process variable instruments manufacturing	<1	173	212	604
Totalizing fluid meter and counting device manufacturing	<1	27	43	109
Electricity and signal testing instruments manufacturing	<1	131	150	573
Analytical laboratory instrument manufacturing	<1	35,486	49,070	122,291
Irradiation apparatus manufacturing	<1	10	14	59
Watch, clock, and other measuring and controlling device manufacturing	<1	6,014	7,557	28,045
Blank magnetic and optical recording media manufacturing	<1	1,251	3,294	32,939
Software and other prerecorded and record reproducing	<1	1,604	2,110	10,113
Electric lamp bulb and part manufacturing	<1	1,775	3,005	6,036
Lighting fixture manufacturing	<1	11,664	15,686	46,338
Small electrical appliance manufacturing	<1	8,640	19,998	65,478
Household cooking appliance manufacturing	<1	8,391	22,632	73,221
Household refrigerator and home freezer manufacturing	<1	10,026	24,927	75,399
Household laundry equipment manufacturing	<1	30,300	54,419	209,723
Other major household appliance manufacturing	<1	4,759	13,554	36,879
Power, distribution, and specialty transformer manufacturing	<1	1,112	1,611	4,454
Motor and generator manufacturing	<1	650	1,269	3,889
Switchgear and switchboard apparatus manufacturing	<1	7,487	14,252	34,913
Relay and industrial control manufacturing	<1	146	206	671
Storage battery manufacturing	<1	5,190	8,828	23,548
Primary battery manufacturing	<1	1,166	6,901	7,120
Fiber optic cable manufacturing	<1	654	1,015	4,430

## Appendix

Other communication and energy wire manufacturing	<1	212	408	1,822
Wiring device manufacturing	<1	3,142	6,856	15,980
Carbon and graphite product manufacturing	<1	2,054	3,238	9,862
All other miscellaneous electrical equipment and component manufacturing	<1	11,850	13,963	44,410
Automobile manufacturing	<1	34,044	96,453	458,591
Light truck and utility vehicle manufacturing	<1	7,502	21,021	143,896
Heavy duty truck manufacturing	<1	48	89	277
Motor vehicle body manufacturing	<1	705	890	3,646
Truck trailer manufacturing	<1	37	45	189
Motor home manufacturing	<1	12,081	19,407	83,154
Travel trailer and camper manufacturing	<1	3,041	3,587	24,235
Motor vehicle gasoline engine and engine parts manufacturing	<1	16,513	24,384	142,924
Motor vehicle electrical and electronic equipment manufacturing	<1	26,828	33,181	156,178
Motor vehicle transmission and power train parts manufacturing	<1	13,364	18,395	106,974
Motor vehicle seating and interior trim manufacturing	<1	10,045	11,439	67,638
Motor vehicle metal stamping	<1	33,134	40,022	156,445
Other motor vehicle parts manufacturing	<1	45,095	58,066	287,941
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	21,557	29,923	139,359
Aircraft manufacturing	<1	2	3	8
Aircraft engine and engine parts manufacturing	<1	49	126	382
Other aircraft parts and auxiliary equipment manufacturing	<1	4,192	6,046	11,446
Guided missile and space vehicle manufacturing	<1	47	87	238
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	17	18	57
Ship building and repairing	<1	230	342	707
Boat building	<1	20,420	32,439	89,414
Motorcycle, bicycle, and parts manufacturing	<1	819	3,205	8,679

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	3,380	8,258	23,501
All other transportation equipment manufacturing	<1	2,256	5,272	22,752
Wood kitchen cabinet and countertop manufacturing	<1	5,868	6,101	17,192
Upholstered household furniture manufacturing	<1	12,897	13,307	49,229
Nonupholstered wood household furniture manufacturing	<1	1,125	1,153	3,793
Other household nonupholstered furniture manufacturing	<1	458	528	2,675
Institutional furniture manufacturing	<1	271	276	1,015
Wood office furniture manufacturing	<1	71	74	324
Custom architectural woodwork and millwork	<1	201	188	597
Office furniture, except wood, manufacturing	<1	241	243	1,237
Showcase, partition, shelving, and locker manufacturing	<1	1,259	1,302	4,347
Mattress manufacturing	<1	1,314	1,512	9,285
Blind and shade manufacturing	<1	128	128	536
Surgical and medical instrument manufacturing	<1	1,960	3,084	5,086
Surgical appliance and supplies manufacturing	<1	22,867	45,299	85,531
Dental equipment and supplies manufacturing	<1	93	160	402
Ophthalmic goods manufacturing	<1	374	742	1,541
Dental laboratories	<1	2,904	3,337	6,065
Jewelry and silverware manufacturing	<1	3,075	5,686	15,877
Sporting and athletic goods manufacturing	<1	3,507	5,264	12,685
Doll, toy, and game manufacturing	<1	2,187	4,249	10,923
Office supplies (except paper) manufacturing	<1	7,669	12,109	33,566
Sign manufacturing	<1	7,469	7,236	17,383
Gasket, packing, and sealing device manufacturing	<1	1,811	2,096	4,768
Musical instrument manufacturing	<1	2,109	2,350	5,206
Fasteners, buttons, needles, and pins manufacturing	<1	382	448	1,096

## Appendix

Broom, brush, and mop manufacturing	<1	3,338	4,981	12,814
Burial casket manufacturing	<1	1,168	1,792	3,899
All other miscellaneous manufacturing	<1	14,147	12,179	32,397
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	54,660	119,315	261,278
Wholesale - Professional and commercial equipment and supplies	2	295,476	469,622	839,201
Wholesale - Household appliances and electrical and electronic goods	2	229,349	578,665	1,269,082
Wholesale - Machinery, equipment, and supplies	1	138,305	263,489	475,293
Wholesale - Other durable goods merchant wholesalers	3	300,375	554,379	1,134,509
Wholesale - Drugs and druggists'sundries	1	177,553	431,158	977,343
Wholesale - Grocery and related product wholesalers	2	187,642	286,520	557,469
Wholesale - Petroleum and petroleum products	<1	30,300	509,262	600,742
Wholesale - Other nondurable goods merchant wholesalers	3	300,434	703,127	1,316,436
Wholesale - Wholesale electronic markets and agents and brokers	1	176,597	201,165	236,586
Retail - Motor vehicle and parts dealers	3	269,551	397,906	544,106
Retail - Furniture and home furnishings stores	2	149,904	203,456	311,395
Retail - Electronics and appliance stores	2	151,477	147,279	225,508
Retail - Building material and garden equipment and supplies stores	4	230,699	461,578	635,009
Retail - Food and beverage stores	10	410,978	593,077	945,119
Retail - Health and personal care stores	5	261,864	337,554	501,281
Retail - Gasoline stores	3	186,784	346,159	583,564
Retail - Clothing and clothing accessories stores	5	179,907	317,771	631,209
Retail - Sporting goods, hobby, musical instrument and book stores	3	124,663	171,957	268,784
Retail - General merchandise stores	9	348,018	603,636	981,675
Retail - Miscellaneous store retailers	8	259,464	293,236	467,975
Retail - Nonstore retailers	8	254,322	1,245,626	1,966,178
Air transportation	<1	91,418	251,019	491,946

## Appendix

Rail transportation	<1	47,224	138,723	257,301
Water transportation	<1	35,505	71,036	257,675
Truck transportation	8	627,127	944,706	1,866,607
Transit and ground passenger transportation	5	93,891	138,500	212,303
Pipeline transportation	<1	99,077	103,350	134,191
Scenic and sightseeing transportation and support activities for transportation	5	396,572	299,787	484,102
Couriers and messengers	4	285,790	472,197	519,198
Warehousing and storage	7	424,046	450,025	813,365
Newspaper publishers	<1	25,426	32,682	58,652
Periodical publishers	<1	22,136	25,483	49,236
Book publishers	<1	19,326	32,477	85,548
Directory, mailing list, and other publishers	<1	7,898	12,921	28,314
Greeting card publishing	0	0	0	0
Software publishers	3	457,420	648,349	1,002,862
Motion picture and video industries	2	143,447	175,692	474,211
Sound recording industries	<1	30,227	88,710	164,145
Radio and television broadcasting	1	291,453	370,441	866,036
Cable and other subscription programming	<1	86,481	331,562	798,748
Wired telecommunications carriers	2	139,956	296,062	628,214
Wireless telecommunications carriers (except satellite)	<1	29,767	220,481	674,340
Satellite, telecommunications resellers, and all other telecommunications	<1	13,117	15,956	42,330
Data processing, hosting, and related services	2	267,434	573,829	1,409,158
News syndicates, libraries, archives and all other information services	<1	33,526	50,531	110,196
Internet publishing and broadcasting and web search portals	<1	43,095	115,081	620,220
Nondepository credit intermediation and related activities	4	415,125	450,351	732,134
Securities and commodity contracts intermediation and brokerage	6	460,464	385,113	789,239
Monetary authorities and depository credit intermediation	8	860,149	2,723,528	4,003,664

## Appendix

Other financial investment activities	6	407,932	479,319	1,210,715
Direct life insurance carriers	1	167,236	378,306	519,993
Insurance carriers, except direct life	3	321,019	1,181,823	2,333,572
Insurance agencies, brokerages, and related activities	4	387,562	650,019	1,434,530
Funds, trusts, and other financial vehicles	3	82,831	144,661	591,740
Other real estate	34	1,093,925	3,092,580	7,290,189
Tenant-occupied housing	4	134,555	1,159,521	1,261,728
Owner-occupied dwellings	0	0	5,526,248	6,669,267
Automotive equipment rental and leasing	1	98,386	300,132	401,175
General and consumer goods rental except video tapes and discs	1	70,526	118,249	179,387
Video tape and disc rental	<1	22,975	38,769	60,416
Commercial and industrial machinery and equipment rental and leasing	1	91,935	237,373	318,359
Lessors of nonfinancial intangible assets	<1	16,426	266,656	285,651
Legal services	9	865,408	1,614,330	2,210,485
Accounting, tax preparation, bookkeeping, and payroll services	6	630,678	768,558	1,122,352
Architectural, engineering, and related services	5	487,892	531,659	943,759
Specialized design services	<1	34,729	56,783	104,614
Custom computer programming services	1	144,292	155,437	216,283
Computer systems design services	2	232,054	217,221	282,562
Other computer related services, including facilities management	<1	38,285	58,864	102,258
Management consulting services	17	1,609,943	1,674,118	2,754,338
Environmental and other technical consulting services	2	188,426	207,880	333,272
Scientific research and development services	154	14,644,566	18,231,112	36,924,598
Advertising, public relations, and related services	4	388,576	542,259	1,087,118
Photographic services	<1	12,922	32,663	75,942
Veterinary services	<1	47,149	52,770	83,782
Marketing research and all other miscellaneous professional, scientific, and technical services	5	422,440	697,272	1,497,805
Management of companies and enterprises	16	2,718,136	2,318,870	3,819,066

## Appendix

Office administrative services	5	411,016	178,406	431,845
Facilities support services	16	944,034	1,261,418	2,980,720
Employment services	36	1,659,715	2,283,620	4,011,273
Business support services	5	263,843	233,347	426,106
Travel arrangement and reservation services	<1	56,556	89,825	284,407
Investigation and security services	5	226,934	234,119	344,104
Services to buildings	7	274,971	389,646	801,000
Landscape and horticultural services	4	173,052	215,401	406,439
Other support services	2	144,293	185,025	348,581
Waste management and remediation services	2	154,784	235,210	491,220
Elementary and secondary schools	4	197,306	170,925	204,235
Junior colleges, colleges, universities, and professional schools	12	629,161	815,170	1,104,949
Other educational services	3	128,553	143,367	277,141
Offices of physicians	15	1,961,894	1,978,442	2,733,417
Offices of dentists	4	310,843	333,704	447,430
Offices of other health practitioners	4	301,804	360,947	466,354
Outpatient care centers	4	357,915	351,816	539,142
Medical and diagnostic laboratories	2	154,037	187,902	267,160
Home health care services	5	349,941	347,301	422,445
Other ambulatory health care services	1	120,144	128,405	188,028
Hospitals	18	2,642,874	2,766,048	4,405,419
Nursing and community care facilities	6	298,084	333,678	526,733
Residential mental retardation, mental health, substance abuse and other facilities	3	147,414	155,454	222,954
Individual and family services	10	361,820	310,041	435,562
Child day care services	4	130,345	167,050	230,305
Community food, housing, and other relief services, including rehabilitation services	2	81,155	77,604	165,414
Performing arts companies	<1	102,389	157,351	194,855
Commercial Sports Except Racing	1	178,636	187,570	201,825
Racing and Track Operation	<1	12,602	19,561	27,989
Independent artists, writers, and performers	<1	105,914	233,217	268,109

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	89,562	181,499	252,380
Museums, historical sites, zoos, and parks	<1	22,203	27,511	49,254
Amusement parks and arcades	<1	7,510	20,893	24,120
Gambling industries (except casino hotels)	1	85,308	215,223	281,382
Other amusement and recreation industries	3	69,771	94,015	130,564
Fitness and recreational sports centers	2	37,567	56,743	88,283
Bowling centers	<1	8,284	14,524	22,248
Hotels and motels, including casino hotels	2	82,900	206,717	291,951
Other accommodations	<1	23,761	30,250	39,638
Full-service restaurants	22	838,805	1,217,460	2,205,342
Limited-service restaurants	20	615,081	941,235	2,070,747
All other food and drinking places	11	438,077	669,183	1,020,728
Automotive repair and maintenance, except car washes	6	439,481	549,656	750,058
Car washes	3	234,437	349,384	494,414
Electronic and precision equipment repair and maintenance	24	1,882,378	2,340,361	3,770,251
Commercial and industrial machinery and equipment repair and maintenance	2	187,772	218,401	322,084
Personal and household goods repair and maintenance	1	77,717	157,613	211,662
Personal care services	5	170,804	144,623	168,717
Death care services	1	45,398	41,695	54,658
Dry-cleaning and laundry services	2	81,014	70,775	86,145
Other personal services	4	133,878	173,519	243,843
Religious organizations	5	318,906	214,613	516,490
Grantmaking, giving, and social advocacy organizations	1	76,501	277,141	372,403
Business and professional associations	<1	72,981	134,320	214,518
Labor and civic organizations	2	55,215	196,022	342,652
Private households	4	69,478	69,478	69,478
Postal service	2	208,712	210,104	210,182
Federal electric utilities	<1	148,084	461,894	1,056,819
Other federal government enterprises	<1	6,166	7,879	19,143
State government passenger transit	0	0	0	0



## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	7,424	9,162	21,260
Local government passenger transit	<1	3,111	337	1,973
Local government electric utilities	<1	109,167	295,858	650,150
Other local government enterprises	2	208,709	370,851	974,890
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	161	24,355,952	36,867,101	51,985,408

## Moon to Mars Campaign

**Table 752: Detailed M2M Campaign Impacts by Types of Impact, Tennessee**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>89</i>	<i>8,965,200</i>	<i>13,153,886</i>	<i>23,716,223</i>
Oilseed farming	<1	3,107	16,883	32,417
Grain farming	<1	1,917	4,042	21,923
Vegetable and melon farming	<1	613	1,393	3,637
Fruit farming	<1	107	224	444
Tree nut farming	<1	11	27	57
Greenhouse, nursery, and floriculture production	<1	634	1,322	3,641
Tobacco farming	<1	852	1,224	3,809

Appendix

Cotton farming	<1	117	216	569
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	359	644	1,992
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	662	2,783	8,190
Dairy cattle and milk production	<1	122	381	2,079
Poultry and egg production	<1	274	1,000	8,800
Animal production, except cattle and poultry and eggs	<1	1,634	7,521	11,217
Forestry, forest products, and timber tract production	<1	170	190	249
Commercial logging	<1	961	1,019	1,578
Commercial fishing	<1	-994	73	81
Commercial hunting and trapping	<1	5	35	86
Support activities for agriculture and forestry	<1	3,274	3,267	3,763
Oil and gas extraction	<1	82	200	15,071
Coal mining	<1	5	14	24
Copper, nickel, lead, and zinc mining	<1	5,507	24,802	47,480
Iron ore mining	0	0	0	0
Gold ore mining	<1	20	52	90
Silver ore mining	<1	2	5	9
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	691	2,383	4,092
Sand and gravel mining	<1	468	771	1,191
Other clay, ceramic, refractory minerals mining	<1	37	69	137
Potash, soda, and borate mineral mining	<1	16	23	37
Phosphate rock mining	<1	7	12	19
Other chemical and fertilizer mineral mining	<1	2	2	4
Other nonmetallic minerals	<1	28	48	79
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	<1	1	6
Metal mining services	<1	3	5	144
Other nonmetallic minerals services	<1	<1	<1	12
Electric power generation - Hydroelectric	<1	84	314	486

## Appendix

Electric power generation - Fossil fuel	<1	211	1,216	1,974
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	122	424	576
Electric power generation - Wind	<1	5	65	83
Electric power generation - Geothermal	<1	141	431	602
Electric power generation - Biomass	<1	204	1,065	2,267
Electric power generation - All other	<1	147	84	164
Electric power transmission and distribution	<1	6,096	38,080	68,637
Natural gas distribution	<1	2,885	18,136	28,016
Water, sewage and other systems	<1	1,732	5,314	7,374
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	20,150	23,797	62,392
Maintenance and repair construction of residential structures	<1	11,171	13,850	32,711
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	12	14	36
Dog and cat food manufacturing	<1	935	3,273	9,431
Other animal food manufacturing	<1	453	1,054	6,567
Flour milling	<1	304	845	4,006

## Appendix

Rice milling	<1	192	426	1,588
Malt manufacturing	0	0	0	0
Wet corn milling	<1	2,009	6,100	23,988
Soybean and other oilseed processing	<1	517	4,630	22,262
Fats and oils refining and blending	<1	57	206	1,611
Breakfast cereal manufacturing	<1	1,639	5,271	10,764
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	33	139	487
Nonchocolate confectionery manufacturing	<1	1,188	1,932	5,514
Chocolate and confectionery manufacturing from cacao beans	<1	110	192	547
Confectionery manufacturing from purchased chocolate	<1	751	1,321	4,231
Frozen fruits, juices and vegetables manufacturing	<1	1,246	3,657	9,304
Frozen specialties manufacturing	<1	1,085	1,701	5,515
Canned fruits and vegetables manufacturing	<1	744	1,848	4,098
Canned specialties	<1	65	200	797
Dehydrated food products manufacturing	<1	5	13	47
Cheese manufacturing	<1	1,057	1,717	15,029
Dry, condensed, and evaporated dairy product manufacturing	<1	412	1,334	6,240
Fluid milk manufacturing	<1	1,054	2,104	9,456
Creamery butter manufacturing	<1	94	435	2,088
Ice cream and frozen dessert manufacturing	<1	37	63	289
Frozen cakes and other pastries manufacturing	<1	1,776	3,002	4,523
Poultry processing	<1	4,559	6,368	27,172
Animal, except poultry, slaughtering	<1	1,525	2,021	14,797
Meat processed from carcasses	<1	2,190	2,162	13,834
Rendering and meat byproduct processing	<1	88	99	557
Seafood product preparation and packaging	<1	35	60	210
Bread and bakery product, except frozen, manufacturing	<1	3,309	5,490	11,820
Cookie and cracker manufacturing	<1	2,431	4,155	9,652
Dry pasta, mixes, and dough manufacturing	<1	492	1,498	4,445
Tortilla manufacturing	<1	211	320	863

## Appendix

Roasted nuts and peanut butter manufacturing	<1	171	213	1,236
Other snack food manufacturing	<1	1,566	5,809	13,869
Coffee and tea manufacturing	<1	588	1,407	5,330
Flavoring syrup and concentrate manufacturing	<1	14	156	207
Mayonnaise, dressing, and sauce manufacturing	<1	229	555	2,030
Spice and extract manufacturing	<1	31	63	247
All other food manufacturing	<1	683	1,136	3,731
Bottled and canned soft drinks & water	<1	1,995	4,757	17,863
Manufactured ice	<1	116	104	379
Breweries	<1	847	2,235	7,240
Wineries	<1	887	1,974	6,591
Distilleries	<1	1,990	10,324	23,313
Tobacco product manufacturing	<1	666	28,895	39,942
Fiber, yarn, and thread mills	<1	448	530	2,184
Broadwoven fabric mills	<1	28	35	137
Narrow fabric mills and schiffli machine embroidery	<1	19	20	66
Nonwoven fabric mills	<1	616	804	3,352
Knit fabric mills	<1	67	77	287
Textile and fabric finishing mills	<1	147	169	742
Fabric coating mills	<1	120	133	513
Carpet and rug mills	<1	106	136	490
Curtain and linen mills	<1	31	36	146
Textile bag and canvas mills	<1	221	254	837
Rope, cordage, twine, tire cord and tire fabric mills	<1	239	299	939
Other textile product mills	<1	220	243	704
Hosiery and sock mills	<1	126	120	276
Other apparel knitting mills	<1	88	86	204
Cut and sew apparel contractors	<1	166	169	316
Men's and boys' cut and sew apparel manufacturing	<1	322	307	693
Women's and girls' cut and sew apparel manufacturing	<1	362	276	1,139
Other cut and sew apparel manufacturing	<1	181	166	476
Apparel accessories and other apparel manufacturing	<1	72	74	164
Leather and hide tanning and finishing	<1	23	20	143
Footwear manufacturing	<1	25	26	103
Other leather and allied product manufacturing	<1	23	24	75

## Appendix

Sawmills	<1	673	1,358	5,892
Wood preservation	<1	20	68	215
Veneer and plywood manufacturing	<1	56	97	339
Engineered wood member and truss manufacturing	<1	606	1,090	3,347
Reconstituted wood product manufacturing	<1	103	355	994
Wood windows and door manufacturing	<1	1,408	2,052	5,327
Cut stock, resawing lumber, and planing	<1	177	397	1,081
Other millwork, including flooring	<1	388	698	2,114
Wood container and pallet manufacturing	<1	982	1,469	4,105
Manufactured home (mobile home) manufacturing	<1	7	10	24
Prefabricated wood building manufacturing	<1	101	198	557
All other miscellaneous wood product manufacturing	<1	929	1,283	4,127
Pulp mills	<1	3	6	17
Paper mills	<1	2,848	9,151	21,047
Paperboard mills	<1	617	1,980	4,812
Paperboard container manufacturing	<1	3,435	7,213	24,438
Paper bag and coated and treated paper manufacturing	<1	1,316	2,905	7,628
Stationery product manufacturing	<1	465	729	1,923
Sanitary paper product manufacturing	<1	792	4,286	8,839
All other converted paper product manufacturing	<1	360	892	2,565
Printing	<1	9,163	15,997	28,882
Support activities for printing	<1	410	711	969
Petroleum refineries	<1	1,604	15,328	80,241
Asphalt paving mixture and block manufacturing	<1	141	210	1,006
Asphalt shingle and coating materials manufacturing	<1	159	615	1,661
Petroleum lubricating oil and grease manufacturing	<1	48	128	367
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	78	1,199	4,804
Industrial gas manufacturing	<1	819	2,896	7,914

## Appendix

Synthetic dye and pigment manufacturing	<1	303	681	1,699
Other basic inorganic chemical manufacturing	<1	670	1,748	4,547
Other basic organic chemical manufacturing	<1	354	1,024	6,333
Plastics material and resin manufacturing	<1	851	1,840	13,711
Synthetic rubber manufacturing	<1	58	89	371
Artificial and synthetic fibers and filaments manufacturing	<1	10,650	16,252	54,353
Nitrogenous fertilizer manufacturing	<1	9	39	118
Phosphatic fertilizer manufacturing	<1	2	7	23
Fertilizer mixing	<1	3	8	17
Pesticide and other agricultural chemical manufacturing	<1	901	3,747	8,263
Medicinal and botanical manufacturing	<1	276	515	1,694
Pharmaceutical preparation manufacturing	<1	1,868	6,510	13,563
In-vitro diagnostic substance manufacturing	<1	10	16	36
Biological product (except diagnostic) manufacturing	<1	69	237	469
Paint and coating manufacturing	<1	416	997	3,282
Adhesive manufacturing	<1	191	357	1,126
Soap and other detergent manufacturing	<1	594	1,987	7,335
Polish and other sanitation good manufacturing	<1	486	945	2,433
Surface active agent manufacturing	<1	16	72	189
Toilet preparation manufacturing	<1	1,143	4,443	10,863
Printing ink manufacturing	<1	47	53	196
Explosives manufacturing	<1	90	109	372
Custom compounding of purchased resins	<1	373	841	2,776
Photographic film and chemical manufacturing	<1	29	72	310
Other miscellaneous chemical product manufacturing	<1	339	618	1,893
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	774	1,254	4,337
Unlaminated plastics profile shape manufacturing	<1	264	587	1,818
Plastics pipe and pipe fitting manufacturing	<1	267	767	2,675

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	110	186	553
Polystyrene foam product manufacturing	<1	273	497	1,979
Urethane and other foam product (except polystyrene) manufacturing	<1	282	493	2,225
Plastics bottle manufacturing	<1	283	445	2,070
Other plastics product manufacturing	<1	2,934	4,490	14,870
Tire manufacturing	<1	3,883	5,168	18,542
Rubber and plastics hoses and belting manufacturing	<1	198	317	1,097
Other rubber product manufacturing	<1	1,005	1,287	4,784
Pottery, ceramics, and plumbing fixture manufacturing	<1	221	332	757
Brick, tile, and other structural clay product manufacturing	<1	237	364	906
Flat glass manufacturing	<1	308	545	1,193
Other pressed and blown glass and glassware manufacturing	<1	68	106	263
Glass container manufacturing	<1	7	11	29
Glass product manufacturing made of purchased glass	<1	455	735	2,081
Cement manufacturing	<1	190	376	1,045
Ready-mix concrete manufacturing	<1	969	1,441	4,897
Concrete block and brick manufacturing	<1	258	411	1,082
Concrete pipe manufacturing	<1	39	61	184
Other concrete product manufacturing	<1	563	772	1,889
Lime manufacturing	<1	123	223	554
Gypsum product manufacturing	<1	4,066	9,674	22,797
Abrasive product manufacturing	<1	10	19	38
Cut stone and stone product manufacturing	<1	498	612	1,440
Ground or treated mineral and earth manufacturing	<1	873	1,681	3,828
Mineral wool manufacturing	<1	138	309	772
Miscellaneous nonmetallic mineral products manufacturing	<1	19	38	81
Iron and steel mills and ferroalloy manufacturing	<1	451	1,015	7,568
Iron, steel pipe and tube manufacturing from purchased steel	<1	80	154	852



## Appendix

Rolled steel shape manufacturing	<1	199	578	2,765
Steel wire drawing	<1	57	98	415
Alumina refining and primary aluminum production	<1	53	81	383
Secondary smelting and alloying of aluminum	<1	69	120	1,167
Aluminum sheet, plate, and foil manufacturing	<1	926	1,721	6,708
Other aluminum rolling, drawing and extruding	<1	109	145	780
Nonferrous metal (exc aluminum) smelting and refining	<1	13	65	278
Copper rolling, drawing, extruding and alloying	<1	129	245	2,638
Nonferrous metal, except copper and aluminum, shaping	<1	98	113	503
Secondary processing of other nonferrous metals	<1	11	17	94
Ferrous metal foundries	<1	216	327	862
Nonferrous metal foundries	<1	534	658	1,523
Custom roll forming	<1	21	26	132
Crown and closure manufacturing and metal stamping	<1	497	599	2,049
Iron and steel forging	<1	222	280	1,136
Nonferrous forging	<1	19	23	105
Cutlery, utensil, pot, and pan manufacturing	<1	462	781	2,883
Handtool manufacturing	<1	219	307	787
Prefabricated metal buildings and components manufacturing	<1	179	231	810
Fabricated structural metal manufacturing	<1	4,177	5,547	20,899
Plate work manufacturing	<1	412	452	1,171
Metal window and door manufacturing	<1	396	502	1,652
Sheet metal work manufacturing	<1	614	753	2,157
Ornamental and architectural metal work manufacturing	<1	223	255	790
Power boiler and heat exchanger manufacturing	<1	32	40	124
Metal tank (heavy gauge) manufacturing	<1	148	171	573
Metal cans manufacturing	<1	141	224	1,341
Metal barrels, drums and pails manufacturing	<1	29	36	191
Hardware manufacturing	<1	94	126	517
Spring and wire product manufacturing	<1	304	371	1,399

## Appendix

Machine shops	<1	1,365	1,531	3,545
Turned product and screw, nut, and bolt manufacturing	<1	521	618	1,685
Metal heat treating	<1	139	170	499
Metal coating and nonprecious engraving	<1	341	516	1,777
Electroplating, anodizing, and coloring metal	<1	282	301	738
Valve and fittings, other than plumbing, manufacturing	<1	290	386	1,305
Plumbing fixture fitting and trim manufacturing	<1	326	613	3,093
Ball and roller bearing manufacturing	<1	170	237	807
Small arms ammunition manufacturing	<1	1,034	1,888	4,713
Ammunition, except for small arms, manufacturing	<1	962	1,037	1,914
Small arms, ordnance, and accessories manufacturing	<1	796	1,359	3,580
Fabricated pipe and pipe fitting manufacturing	<1	61	72	260
Other fabricated metal manufacturing	<1	509	618	2,028
Farm machinery and equipment manufacturing	<1	27	61	225
Lawn and garden equipment manufacturing	<1	59	120	529
Construction machinery manufacturing	<1	41	120	307
Mining machinery and equipment manufacturing	<1	1	2	7
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	<1	<1	3
Food product machinery manufacturing	<1	1	2	4
Sawmill, woodworking, and paper machinery	<1	6	7	20
Printing machinery and equipment manufacturing	<1	2	2	9
All other industrial machinery manufacturing	<1	13	17	50
Optical instrument and lens manufacturing	<1	9	15	40
Photographic and photocopying equipment manufacturing	<1	3	4	14
Other commercial service industry machinery manufacturing	<1	38	72	236

## Appendix

Air purification and ventilation equipment manufacturing	<1	19	26	64
Heating equipment (except warm air furnaces) manufacturing	<1	428	780	2,057
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	626	1,224	3,488
Industrial mold manufacturing	<1	21	27	60
Special tool, die, jig, and fixture manufacturing	<1	60	87	164
Cutting tool and machine tool accessory manufacturing	<1	68	83	180
Machine tool manufacturing	<1	12	17	51
Rolling mill and other metalworking machinery manufacturing	<1	29	42	87
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	9	15	37
Mechanical power transmission equipment manufacturing	<1	90	145	370
Other engine equipment manufacturing	<1	18	46	188
Pump and pumping equipment manufacturing	<1	6	12	35
Air and gas compressor manufacturing	<1	3	5	19
Elevator and moving stairway manufacturing	<1	29	41	135
Conveyor and conveying equipment manufacturing	<1	15	18	51
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	4	13
Industrial truck, trailer, and stacker manufacturing	<1	5	10	33
Power-driven handtool manufacturing	<1	123	398	998
Welding and soldering equipment manufacturing	<1	5	8	22
Packaging machinery manufacturing	<1	3	5	13
Industrial process furnace and oven manufacturing	<1	1	2	4
Fluid power cylinder and actuator manufacturing	<1	15	23	67
Fluid power pump and motor manufacturing	<1	47	87	279

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	13	17	49
Electronic computer manufacturing	<1	13	18	129
Computer storage device manufacturing	<1	21	29	126
Computer terminals and other computer peripheral equipment manufacturing	<1	34	44	141
Telephone apparatus manufacturing	<1	1	1	4
Broadcast and wireless communications equipment manufacturing	<1	5	7	27
Other communications equipment manufacturing	<1	8	11	36
Audio and video equipment manufacturing	<1	69	102	508
Printed circuit assembly (electronic assembly) manufacturing	<1	327	435	1,582
Bare printed circuit board manufacturing	<1	38	45	139
Semiconductor and related device manufacturing	<1	9	14	99
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	24	29	123
Electronic connector manufacturing	<1	16	20	90
Other electronic component manufacturing	<1	35	41	141
Electromedical and electrotherapeutic apparatus manufacturing	<1	51	72	200
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	623	760	2,227
Industrial process variable instruments manufacturing	<1	12	16	44
Totalizing fluid meter and counting device manufacturing	<1	2	3	8
Electricity and signal testing instruments manufacturing	<1	99	115	420
Analytical laboratory instrument manufacturing	<1	29,788	41,691	102,125
Irradiation apparatus manufacturing	<1	2	2	10

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	57	73	243
Blank magnetic and optical recording media manufacturing	<1	169	448	4,060
Software and other prerecorded and record reproducing	<1	235	312	1,412
Electric lamp bulb and part manufacturing	<1	196	321	666
Lighting fixture manufacturing	<1	953	1,289	3,669
Small electrical appliance manufacturing	<1	753	1,652	5,190
Household cooking appliance manufacturing	<1	687	1,825	5,793
Household refrigerator and home freezer manufacturing	<1	775	1,888	5,624
Household laundry equipment manufacturing	<1	2,216	3,905	14,763
Other major household appliance manufacturing	<1	316	911	2,417
Power, distribution, and specialty transformer manufacturing	<1	253	359	985
Motor and generator manufacturing	<1	53	102	309
Switchgear and switchboard apparatus manufacturing	<1	1,615	3,078	7,406
Relay and industrial control manufacturing	<1	19	26	87
Storage battery manufacturing	<1	611	985	2,622
Primary battery manufacturing	<1	144	670	800
Fiber optic cable manufacturing	<1	127	195	826
Other communication and energy wire manufacturing	<1	19	37	161
Wiring device manufacturing	<1	199	434	1,007
Carbon and graphite product manufacturing	<1	225	349	1,074
All other miscellaneous electrical equipment and component manufacturing	<1	4	5	15
Automobile manufacturing	<1	3,239	7,695	38,433
Light truck and utility vehicle manufacturing	<1	689	1,651	11,751
Heavy duty truck manufacturing	<1	3	6	18
Motor vehicle body manufacturing	<1	60	75	318
Truck trailer manufacturing	<1	3	3	14
Motor home manufacturing	<1	687	1,117	4,681
Travel trailer and camper manufacturing	<1	219	255	1,762

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	1,244	1,811	10,711
Motor vehicle electrical and electronic equipment manufacturing	<1	1,988	2,444	10,995
Motor vehicle transmission and power train parts manufacturing	<1	1,145	1,556	8,799
Motor vehicle seating and interior trim manufacturing	<1	674	763	4,506
Motor vehicle metal stamping	<1	1,774	2,161	8,381
Other motor vehicle parts manufacturing	<1	3,480	4,367	21,981
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,646	2,348	10,841
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	3	6	21
Other aircraft parts and auxiliary equipment manufacturing	<1	22	31	64
Guided missile and space vehicle manufacturing	<1	3	5	13
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	7
Ship building and repairing	<1	22	31	66
Boat building	<1	1,503	2,364	6,474
Motorcycle, bicycle, and parts manufacturing	<1	74	250	732
Military armored vehicle, tank, and tank component manufacturing	<1	170	392	1,092
All other transportation equipment manufacturing	<1	160	351	1,549
Wood kitchen cabinet and countertop manufacturing	<1	384	397	1,101
Upholstered household furniture manufacturing	<1	1,531	1,580	5,861
Nonupholstered wood household furniture manufacturing	<1	119	122	392
Other household nonupholstered furniture manufacturing	<1	49	57	266
Institutional furniture manufacturing	<1	12	12	42
Wood office furniture manufacturing	<1	<1	<1	2

Appendix

Custom architectural woodwork and millwork	<1	11	10	31
Office furniture, except wood, manufacturing	<1	8	8	41
Showcase, partition, shelving, and locker manufacturing	<1	94	96	314
Mattress manufacturing	<1	134	156	924
Blind and shade manufacturing	<1	14	14	55
Surgical and medical instrument manufacturing	<1	236	390	601
Surgical appliance and supplies manufacturing	<1	2,531	5,304	9,433
Dental equipment and supplies manufacturing	<1	12	23	55
Ophthalmic goods manufacturing	<1	34	70	143
Dental laboratories	<1	370	431	778
Jewelry and silverware manufacturing	<1	297	570	1,559
Sporting and athletic goods manufacturing	<1	395	621	1,425
Doll, toy, and game manufacturing	<1	324	680	1,497
Office supplies (except paper) manufacturing	<1	878	1,421	3,665
Sign manufacturing	<1	562	549	1,308
Gasket, packing, and sealing device manufacturing	<1	146	172	386
Musical instrument manufacturing	<1	339	389	838
Fasteners, buttons, needles, and pins manufacturing	<1	43	51	126
Broom, brush, and mop manufacturing	<1	384	634	1,506
Burial casket manufacturing	<1	74	116	246
All other miscellaneous manufacturing	<1	215	320	738
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,255	11,376	25,057
Wholesale - Professional and commercial equipment and supplies	<1	30,063	48,136	84,689
Wholesale - Household appliances and electrical and electronic goods	<1	21,880	56,002	123,005
Wholesale - Machinery, equipment, and supplies	<1	9,234	17,507	31,619
Wholesale - Other durable goods merchant wholesalers	<1	21,741	39,936	81,750

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	17,097	40,665	91,779
Wholesale - Grocery and related product wholesalers	<1	18,366	27,658	53,770
Wholesale - Petroleum and petroleum products	<1	2,059	43,847	50,095
Wholesale - Other nondurable goods merchant wholesalers	<1	28,012	68,037	124,699
Wholesale - Wholesale electronic markets and agents and brokers	<1	14,809	16,769	19,700
Retail - Motor vehicle and parts dealers	<1	24,702	36,928	50,110
Retail - Furniture and home furnishings stores	<1	14,260	19,554	29,497
Retail - Electronics and appliance stores	<1	14,267	14,198	21,166
Retail - Building material and garden equipment and supplies stores	<1	13,831	28,138	38,420
Retail - Food and beverage stores	<1	40,925	59,206	92,586
Retail - Health and personal care stores	<1	25,251	32,699	47,693
Retail - Gasoline stores	<1	18,085	32,129	52,172
Retail - Clothing and clothing accessories stores	<1	17,257	30,703	59,150
Retail - Sporting goods, hobby, musical instrument and book stores	<1	12,231	16,873	25,702
Retail - General merchandise stores	<1	32,328	56,714	90,499
Retail - Miscellaneous store retailers	<1	25,264	28,747	44,438
Retail - Nonstore retailers	<1	23,585	118,687	186,421
Air transportation	<1	8,639	25,036	47,503
Rail transportation	<1	3,971	10,813	20,893
Water transportation	<1	3,062	6,385	21,499
Truck transportation	<1	51,893	77,196	149,920
Transit and ground passenger transportation	<1	13,079	19,242	26,311
Pipeline transportation	<1	5,530	7,196	9,335
Scenic and sightseeing transportation and support activities for transportation	<1	31,747	23,539	37,888
Couriers and messengers	<1	28,433	45,508	50,096
Warehousing and storage	<1	40,099	42,733	76,005
Newspaper publishers	<1	2,336	3,262	5,592
Periodical publishers	<1	2,445	3,152	5,586
Book publishers	<1	2,125	4,100	9,998



## Appendix

Directory, mailing list, and other publishers	<1	654	1,162	2,470
Greeting card publishing	0	0	0	0
Software publishers	<1	40,927	62,759	93,825
Motion picture and video industries	<1	17,597	22,497	52,321
Sound recording industries	<1	3,349	10,809	18,016
Radio and television broadcasting	<1	30,024	37,001	77,258
Cable and other subscription programming	<1	11,226	39,914	88,366
Wired telecommunications carriers	<1	12,586	26,867	56,660
Wireless telecommunications carriers (except satellite)	<1	2,716	21,205	63,071
Satellite, telecommunications resellers, and all other telecommunications	<1	1,200	1,368	3,737
Data processing, hosting, and related services	<1	25,310	55,690	129,587
News syndicates, libraries, archives and all other information services	<1	4,322	6,782	13,080
Internet publishing and broadcasting and web search portals	<1	4,486	12,614	57,589
Nondepository credit intermediation and related activities	<1	42,122	45,822	72,394
Securities and commodity contracts intermediation and brokerage	<1	46,397	38,143	71,074
Monetary authorities and depository credit intermediation	<1	67,633	235,417	329,770
Other financial investment activities	<1	50,779	59,764	133,201
Direct life insurance carriers	<1	14,704	32,993	44,653
Insurance carriers, except direct life	<1	28,947	104,944	204,895
Insurance agencies, brokerages, and related activities	<1	34,639	57,346	125,190
Funds, trusts, and other financial vehicles	<1	9,037	15,589	59,164
Other real estate	3	99,933	257,653	579,973
Tenant-occupied housing	<1	15,595	123,792	133,382
Owner-occupied dwellings	0	0	549,309	662,925
Automotive equipment rental and leasing	<1	9,324	28,789	37,900

## Appendix

General and consumer goods rental except video tapes and discs	<1	6,759	11,247	16,952
Video tape and disc rental	<1	2,196	3,700	5,740
Commercial and industrial machinery and equipment rental and leasing	<1	6,330	16,379	21,908
Lessors of nonfinancial intangible assets	<1	1,347	23,577	25,201
Legal services	<1	60,760	116,275	156,534
Accounting, tax preparation, bookkeeping, and payroll services	<1	57,927	72,633	103,513
Architectural, engineering, and related services	<1	42,300	46,738	82,283
Specialized design services	<1	3,352	5,745	10,101
Custom computer programming services	<1	16,491	17,713	24,410
Computer systems design services	<1	25,338	23,795	30,634
Other computer related services, including facilities management	<1	4,029	6,199	10,563
Management consulting services	1	117,482	122,490	197,486
Environmental and other technical consulting services	<1	17,269	19,273	30,360
Scientific research and development services	8	792,543	985,099	1,944,439
Advertising, public relations, and related services	<1	34,354	49,650	95,346
Photographic services	<1	1,167	3,183	6,922
Veterinary services	<1	4,692	5,350	8,289
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	56,681	100,646	202,305
Management of companies and enterprises	1	226,647	194,946	314,670
Office administrative services	<1	41,336	18,791	42,447
Facilities support services	4	273,785	365,999	808,033
Employment services	3	161,854	226,124	380,674
Business support services	<1	21,875	19,517	34,198
Travel arrangement and reservation services	<1	5,879	9,318	27,442
Investigation and security services	<1	24,711	25,509	36,660
Services to buildings	<1	22,787	32,690	64,873
Landscape and horticultural services	<1	16,485	20,616	37,771
Other support services	<1	14,732	18,924	34,369
Waste management and remediation services	<1	14,313	21,690	44,946

## Appendix

Elementary and secondary schools	<1	21,274	18,147	21,414
Junior colleges, colleges, universities, and professional schools	4	216,195	277,362	377,732
Other educational services	<1	14,617	16,361	30,960
Offices of physicians	1	181,634	183,625	252,658
Offices of dentists	<1	30,800	33,718	44,887
Offices of other health practitioners	<1	28,417	35,337	45,261
Outpatient care centers	<1	39,119	38,633	58,490
Medical and diagnostic laboratories	<1	15,616	20,001	27,650
Home health care services	<1	34,402	34,259	41,217
Other ambulatory health care services	<1	11,714	12,742	18,346
Hospitals	2	270,089	285,312	449,629
Nursing and community care facilities	<1	31,420	35,172	54,126
Residential mental retardation, mental health, substance abuse and other facilities	<1	16,271	17,163	24,146
Individual and family services	1	42,105	37,055	51,173
Child day care services	<1	13,163	18,227	24,223
Community food, housing, and other relief services, including rehabilitation services	<1	9,820	9,452	19,280
Performing arts companies	<1	12,303	18,164	20,974
Commercial Sports Except Racing	<1	17,320	18,582	19,443
Racing and Track Operation	<1	1,395	2,003	2,763
Independent artists, writers, and performers	<1	12,615	25,621	28,518
Promoters of performing arts and sports and agents for public figures	<1	11,261	20,699	26,978
Museums, historical sites, zoos, and parks	<1	2,520	3,092	5,328
Amusement parks and arcades	<1	874	2,383	2,721
Gambling industries (except casino hotels)	<1	9,670	24,926	31,851
Other amusement and recreation industries	<1	7,109	9,595	13,086
Fitness and recreational sports centers	<1	4,062	6,326	9,485
Bowling centers	<1	810	1,456	2,151
Hotels and motels, including casino hotels	<1	9,912	23,573	33,193
Other accommodations	<1	3,444	4,306	5,564

## Appendix

Full-service restaurants	2	82,278	119,172	210,889
Limited-service restaurants	2	61,176	93,418	198,172
All other food and drinking places	1	44,701	67,578	101,114
Automotive repair and maintenance, except car washes	<1	43,834	52,723	71,735
Car washes	<1	22,370	33,430	46,954
Electronic and precision equipment repair and maintenance	<1	62,956	76,355	117,036
Commercial and industrial machinery and equipment repair and maintenance	<1	16,035	18,492	26,858
Personal and household goods repair and maintenance	<1	11,385	21,477	29,031
Personal care services	<1	17,712	13,029	15,533
Death care services	<1	4,689	3,841	5,121
Dry-cleaning and laundry services	<1	6,900	5,345	6,624
Other personal services	<1	13,474	16,893	23,618
Religious organizations	<1	38,729	21,581	57,002
Grantmaking, giving, and social advocacy organizations	<1	10,392	31,359	42,998
Business and professional associations	<1	7,367	12,181	19,504
Labor and civic organizations	<1	6,734	20,155	35,885
Private households	<1	7,079	7,079	7,079
Postal service	<1	19,575	19,715	19,722
Federal electric utilities	<1	7,073	22,376	50,865
Other federal government enterprises	<1	620	976	2,064
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	501	577	1,326
Local government passenger transit	<1	359	16	167
Local government electric utilities	<1	10,583	25,072	55,386
Other local government enterprises	<1	22,292	31,593	90,794
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	20	3,840,603	5,077,876	9,292,393

## Investments in Climate Change Research and Technology

**Table 753: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>470</i>	<i>37,203,212</i>	<i>55,029,678</i>	<i>100,197,554</i>
Oilseed farming	<1	11,708	51,592	98,201
Grain farming	<1	9,695	15,907	104,532
Vegetable and melon farming	<1	2,401	5,200	13,813
Fruit farming	<1	323	662	1,390
Tree nut farming	<1	27	59	128
Greenhouse, nursery, and floriculture production	<1	3,225	6,482	18,760
Tobacco farming	<1	1,740	2,501	7,222
Cotton farming	<1	1,815	3,143	9,078
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	2,485	4,268	13,623
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	1	5,989	19,564	61,057
Dairy cattle and milk production	<1	445	1,227	7,619
Poultry and egg production	<1	1,843	5,943	63,045
Animal production, except cattle and poultry and eggs	1	13,921	51,352	75,400
Forestry, forest products, and timber tract production	<1	983	1,095	1,520

## Appendix

Commercial logging	<1	15,590	16,263	26,584
Commercial fishing	<1	-482	374	417
Commercial hunting and trapping	<1	15	171	465
Support activities for agriculture and forestry	<1	27,823	27,439	31,227
Oil and gas extraction	<1	887	2,110	138,955
Coal mining	<1	70	210	369
Copper, nickel, lead, and zinc mining	<1	15,343	58,995	114,756
Iron ore mining	0	0	0	0
Gold ore mining	<1	80	217	372
Silver ore mining	<1	22	44	77
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	9,624	38,228	64,628
Sand and gravel mining	<1	11,971	20,861	32,706
Other clay, ceramic, refractory minerals mining	<1	465	901	1,799
Potash, soda, and borate mineral mining	<1	80	116	197
Phosphate rock mining	<1	32	59	98
Other chemical and fertilizer mineral mining	<1	7	10	18
Other nonmetallic minerals	<1	211	371	604
Drilling oil and gas wells	<1	<1	1	5
Support activities for oil and gas operations	<1	13	20	80
Metal mining services	<1	44	74	1,815
Other nonmetallic minerals services	<1	16	27	329
Electric power generation - Hydroelectric	<1	353	1,338	2,076
Electric power generation - Fossil fuel	<1	933	6,298	10,297
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	548	2,004	2,806
Electric power generation - Wind	<1	45	705	925
Electric power generation - Geothermal	<1	211	640	881
Electric power generation - Biomass	<1	720	3,816	7,904
Electric power generation - All other	<1	725	938	1,175
Electric power transmission and distribution	<1	31,899	219,588	400,865

## Appendix

Natural gas distribution	<1	11,552	77,494	124,957
Water, sewage and other systems	<1	5,626	19,119	28,330
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	35	2,796,055	2,156,863	4,924,796
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	116,686	132,385	368,147
Maintenance and repair construction of residential structures	<1	48,295	57,976	145,478
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	51	59	162
Dog and cat food manufacturing	<1	3,883	13,419	41,029
Other animal food manufacturing	<1	3,090	6,840	44,496
Flour milling	<1	1,920	5,362	24,494
Rice milling	<1	915	2,145	7,363
Malt manufacturing	0	0	0	0
Wet corn milling	<1	11,892	31,657	148,181
Soybean and other oilseed processing	<1	2,393	22,449	104,200
Fats and oils refining and blending	<1	247	904	6,439
Breakfast cereal manufacturing	<1	3,881	13,135	27,426
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	136	535	2,046
Nonchocolate confectionery manufacturing	<1	3,864	6,323	20,202

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	174	301	921
Confectionery manufacturing from purchased chocolate	<1	3,464	5,992	18,456
Frozen fruits, juices and vegetables manufacturing	<1	4,752	13,045	37,519
Frozen specialties manufacturing	<1	5,042	8,095	26,262
Canned fruits and vegetables manufacturing	<1	2,747	6,740	14,567
Canned specialties	<1	431	1,345	5,172
Dehydrated food products manufacturing	<1	13	31	112
Cheese manufacturing	<1	2,306	3,854	33,977
Dry, condensed, and evaporated dairy product manufacturing	<1	2,190	7,265	33,730
Fluid milk manufacturing	<1	3,707	7,229	33,466
Creamery butter manufacturing	<1	431	2,171	9,833
Ice cream and frozen dessert manufacturing	<1	149	250	1,211
Frozen cakes and other pastries manufacturing	<1	7,404	12,530	19,657
Poultry processing	<1	38,163	51,118	213,524
Animal, except poultry, slaughtering	<1	7,771	10,159	72,452
Meat processed from carcasses	<1	10,942	10,747	68,760
Rendering and meat byproduct processing	<1	474	519	2,833
Seafood product preparation and packaging	<1	165	277	1,085
Bread and bakery product, except frozen, manufacturing	<1	13,903	23,027	50,006
Cookie and cracker manufacturing	<1	9,831	16,142	42,868
Dry pasta, mixes, and dough manufacturing	<1	1,535	4,787	13,721
Tortilla manufacturing	<1	1,020	1,561	4,255
Roasted nuts and peanut butter manufacturing	<1	683	856	5,127
Other snack food manufacturing	<1	7,163	27,450	68,116
Coffee and tea manufacturing	<1	2,238	5,230	20,091
Flavoring syrup and concentrate manufacturing	<1	92	1,033	1,391
Mayonnaise, dressing, and sauce manufacturing	<1	1,098	2,761	9,594
Spice and extract manufacturing	<1	117	231	899
All other food manufacturing	<1	2,223	3,681	12,139
Bottled and canned soft drinks & water	<1	11,110	26,361	98,324
Manufactured ice	<1	528	467	1,901



## Appendix

Breweries	<1	2,962	7,566	24,605
Wineries	<1	2,602	6,042	21,606
Distilleries	<1	11,942	50,617	118,225
Tobacco product manufacturing	<1	3,728	112,768	173,189
Fiber, yarn, and thread mills	<1	1,939	2,186	9,846
Broadwoven fabric mills	<1	182	214	932
Narrow fabric mills and schiffli machine embroidery	<1	122	128	433
Nonwoven fabric mills	<1	2,320	2,880	13,903
Knit fabric mills	<1	114	127	487
Textile and fabric finishing mills	<1	430	485	2,264
Fabric coating mills	<1	685	760	3,354
Carpet and rug mills	<1	653	796	3,271
Curtain and linen mills	<1	141	155	716
Textile bag and canvas mills	<1	1,226	1,366	4,840
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,332	2,649	9,272
Other textile product mills	<1	1,224	1,309	4,154
Hosiery and sock mills	<1	486	452	1,233
Other apparel knitting mills	<1	447	421	1,163
Cut and sew apparel contractors	<1	959	977	1,985
Men's and boys' cut and sew apparel manufacturing	<1	859	793	2,120
Women's and girls' cut and sew apparel manufacturing	<1	963	638	3,555
Other cut and sew apparel manufacturing	<1	446	391	1,329
Apparel accessories and other apparel manufacturing	<1	251	238	671
Leather and hide tanning and finishing	<1	148	121	922
Footwear manufacturing	<1	142	142	711
Other leather and allied product manufacturing	<1	121	114	406
Sawmills	<1	15,585	31,482	135,505
Wood preservation	<1	585	1,949	6,007
Veneer and plywood manufacturing	<1	999	1,730	5,980
Engineered wood member and truss manufacturing	<1	7,899	14,627	44,120
Reconstituted wood product manufacturing	<1	2,084	7,227	19,611
Wood windows and door manufacturing	<1	20,478	30,047	79,520
Cut stock, resawing lumber, and planing	<1	2,364	5,575	14,583

## Appendix

Other millwork, including flooring	<1	5,911	10,916	33,282
Wood container and pallet manufacturing	<1	4,925	7,480	21,145
Manufactured home (mobile home) manufacturing	<1	297	446	1,082
Prefabricated wood building manufacturing	<1	5,546	10,933	30,781
All other miscellaneous wood product manufacturing	<1	1,778	2,843	9,117
Pulp mills	<1	40	85	220
Paper mills	<1	15,098	63,770	125,183
Paperboard mills	<1	5,986	21,160	47,112
Paperboard container manufacturing	<1	17,050	37,898	128,323
Paper bag and coated and treated paper manufacturing	<1	7,988	18,985	51,817
Stationery product manufacturing	<1	2,289	3,724	10,697
Sanitary paper product manufacturing	<1	5,642	30,645	61,520
All other converted paper product manufacturing	<1	1,859	4,955	13,753
Printing	<1	50,211	84,626	165,475
Support activities for printing	<1	1,866	3,195	4,536
Petroleum refineries	<1	13,410	112,193	615,948
Asphalt paving mixture and block manufacturing	<1	2,963	4,177	21,074
Asphalt shingle and coating materials manufacturing	<1	2,705	9,170	26,621
Petroleum lubricating oil and grease manufacturing	<1	307	824	2,536
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,760	22,653	102,488
Industrial gas manufacturing	<1	3,696	11,321	33,145
Synthetic dye and pigment manufacturing	<1	1,398	2,696	6,548
Other basic inorganic chemical manufacturing	<1	5,028	11,004	30,095
Other basic organic chemical manufacturing	<1	3,502	8,731	55,134
Plastics material and resin manufacturing	<1	7,420	13,534	103,553
Synthetic rubber manufacturing	<1	683	987	3,930
Artificial and synthetic fibers and filaments manufacturing	<1	48,156	72,442	248,146
Nitrogenous fertilizer manufacturing	<1	77	305	1,111

Appendix

Phosphatic fertilizer manufacturing	<1	32	96	327
Fertilizer mixing	<1	43	93	223
Pesticide and other agricultural chemical manufacturing	<1	6,502	22,511	52,840
Medicinal and botanical manufacturing	<1	602	1,036	3,920
Pharmaceutical preparation manufacturing	<1	6,726	18,298	44,920
In-vitro diagnostic substance manufacturing	<1	18	28	65
Biological product (except diagnostic) manufacturing	<1	184	600	1,298
Paint and coating manufacturing	<1	3,877	7,883	27,146
Adhesive manufacturing	<1	1,101	1,845	6,380
Soap and other detergent manufacturing	<1	2,999	8,767	36,137
Polish and other sanitation good manufacturing	<1	2,616	4,492	12,656
Surface active agent manufacturing	<1	102	446	1,218
Toilet preparation manufacturing	<1	5,105	15,783	42,967
Printing ink manufacturing	<1	274	305	1,109
Explosives manufacturing	<1	1,025	1,194	3,969
Custom compounding of purchased resins	<1	1,181	2,016	7,731
Photographic film and chemical manufacturing	<1	168	405	1,805
Other miscellaneous chemical product manufacturing	<1	2,682	4,372	13,270
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4,423	7,173	26,155
Unlaminated plastics profile shape manufacturing	<1	1,794	4,061	13,159
Plastics pipe and pipe fitting manufacturing	<1	5,774	16,030	55,641
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	710	1,186	3,703
Polystyrene foam product manufacturing	<1	2,467	4,375	18,264
Urethane and other foam product (except polystyrene) manufacturing	<1	2,179	3,759	17,765
Plastics bottle manufacturing	<1	1,256	1,980	9,750
Other plastics product manufacturing	<1	19,788	29,389	103,963
Tire manufacturing	<1	23,732	30,016	113,269

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	1,634	2,604	9,787
Other rubber product manufacturing	<1	10,306	13,144	49,169
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,711	5,514	12,324
Brick, tile, and other structural clay product manufacturing	<1	6,017	9,600	23,133
Flat glass manufacturing	<1	5,748	10,426	23,629
Other pressed and blown glass and glassware manufacturing	<1	581	897	2,241
Glass container manufacturing	<1	29	44	116
Glass product manufacturing made of purchased glass	<1	3,808	6,436	17,693
Cement manufacturing	<1	5,568	11,478	31,267
Ready-mix concrete manufacturing	<1	31,438	48,332	160,307
Concrete block and brick manufacturing	<1	9,538	15,832	41,168
Concrete pipe manufacturing	<1	8,300	12,903	36,627
Other concrete product manufacturing	<1	43,586	61,407	145,085
Lime manufacturing	<1	1,058	2,110	4,941
Gypsum product manufacturing	<1	6,264	15,894	36,625
Abrasive product manufacturing	<1	110	220	440
Cut stone and stone product manufacturing	<1	4,219	5,319	12,317
Ground or treated mineral and earth manufacturing	<1	4,731	10,220	22,445
Mineral wool manufacturing	<1	3,198	7,646	19,111
Miscellaneous nonmetallic mineral products manufacturing	<1	2,047	4,356	9,428
Iron and steel mills and ferroalloy manufacturing	<1	5,430	12,825	95,353
Iron, steel pipe and tube manufacturing from purchased steel	<1	925	1,898	10,582
Rolled steel shape manufacturing	<1	2,628	8,279	36,480
Steel wire drawing	<1	811	1,517	6,224
Alumina refining and primary aluminum production	<1	221	346	1,699
Secondary smelting and alloying of aluminum	<1	403	753	7,576
Aluminum sheet, plate, and foil manufacturing	<1	5,968	11,795	43,983
Other aluminum rolling, drawing and extruding	<1	582	821	4,390
Nonferrous metal (exc aluminum) smelting and refining	<1	130	809	3,047

## Appendix

Copper rolling, drawing, extruding and alloying	<1	1,135	2,267	25,005
Nonferrous metal, except copper and aluminum, shaping	<1	738	885	3,906
Secondary processing of other nonferrous metals	<1	68	131	677
Ferrous metal foundries	<1	1,662	2,641	6,777
Nonferrous metal foundries	<1	2,634	3,396	7,880
Custom roll forming	<1	105	135	672
Crown and closure manufacturing and metal stamping	<1	2,477	2,982	10,560
Iron and steel forging	<1	2,376	2,950	12,238
Nonferrous forging	<1	105	124	570
Cutlery, utensil, pot, and pan manufacturing	<1	1,418	2,475	10,394
Handtool manufacturing	<1	1,267	1,754	4,704
Prefabricated metal buildings and components manufacturing	<1	31,137	41,338	140,224
Fabricated structural metal manufacturing	<1	16,742	21,907	84,298
Plate work manufacturing	<1	3,069	3,323	8,954
Metal window and door manufacturing	<1	8,720	10,883	37,849
Sheet metal work manufacturing	<1	4,150	5,119	15,472
Ornamental and architectural metal work manufacturing	<1	4,310	4,930	15,942
Power boiler and heat exchanger manufacturing	<1	432	530	1,639
Metal tank (heavy gauge) manufacturing	<1	2,209	2,520	9,035
Metal cans manufacturing	<1	629	974	5,819
Metal barrels, drums and pails manufacturing	<1	143	174	948
Hardware manufacturing	<1	765	1,011	4,529
Spring and wire product manufacturing	<1	2,497	3,020	11,580
Machine shops	<1	7,756	8,691	20,516
Turned product and screw, nut, and bolt manufacturing	<1	2,391	2,827	7,999
Metal heat treating	<1	1,028	1,237	3,615
Metal coating and nonprecious engraving	<1	2,877	4,218	14,833
Electroplating, anodizing, and coloring metal	<1	1,976	2,099	5,206
Valve and fittings, other than plumbing, manufacturing	<1	4,888	6,353	21,556
Plumbing fixture fitting and trim manufacturing	<1	5,120	9,571	49,101

## Appendix

Ball and roller bearing manufacturing	<1	560	791	2,713
Small arms ammunition manufacturing	<1	5,186	9,434	24,868
Ammunition, except for small arms, manufacturing	<1	6,358	6,869	13,128
Small arms, ordnance, and accessories manufacturing	<1	3,215	5,438	15,817
Fabricated pipe and pipe fitting manufacturing	<1	1,600	1,871	6,887
Other fabricated metal manufacturing	<1	5,194	6,283	21,275
Farm machinery and equipment manufacturing	<1	382	861	3,311
Lawn and garden equipment manufacturing	<1	405	822	3,766
Construction machinery manufacturing	<1	547	1,537	4,481
Mining machinery and equipment manufacturing	<1	21	35	99
Oil and gas field machinery and equipment manufacturing	<1	3	4	16
Semiconductor machinery manufacturing	0	-1,091	-1,681	-3,499
Food product machinery manufacturing	<1	8	10	27
Sawmill, woodworking, and paper machinery	<1	40	47	141
Printing machinery and equipment manufacturing	<1	18	21	68
All other industrial machinery manufacturing	<1	85	120	334
Optical instrument and lens manufacturing	<1	88	148	411
Photographic and photocopying equipment manufacturing	<1	13	17	63
Other commercial service industry machinery manufacturing	<1	1,239	2,408	7,568
Air purification and ventilation equipment manufacturing	<1	351	504	1,249
Heating equipment (except warm air furnaces) manufacturing	<1	2,848	5,163	14,518
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,334	15,263	44,062
Industrial mold manufacturing	<1	138	181	419
Special tool, die, jig, and fixture manufacturing	<1	296	443	861

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	328	406	905
Machine tool manufacturing	<1	48	68	206
Rolling mill and other metalworking machinery manufacturing	<1	139	210	445
Turbine and turbine generator set units manufacturing	<1	3	3	11
Speed changer, industrial high-speed drive, and gear manufacturing	<1	65	106	293
Mechanical power transmission equipment manufacturing	<1	857	1,426	3,698
Other engine equipment manufacturing	<1	119	341	1,365
Pump and pumping equipment manufacturing	<1	205	417	1,171
Air and gas compressor manufacturing	<1	60	92	331
Elevator and moving stairway manufacturing	<1	315	449	1,454
Conveyor and conveying equipment manufacturing	<1	82	97	291
Overhead cranes, hoists, and monorail systems manufacturing	<1	108	231	773
Industrial truck, trailer, and stacker manufacturing	<1	37	74	232
Power-driven handtool manufacturing	<1	370	1,323	3,281
Welding and soldering equipment manufacturing	<1	36	64	204
Packaging machinery manufacturing	<1	10	17	47
Industrial process furnace and oven manufacturing	<1	5	7	17
Fluid power cylinder and actuator manufacturing	<1	172	281	769
Fluid power pump and motor manufacturing	<1	351	678	2,263
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	120	162	465
Electronic computer manufacturing	<1	39	52	448
Computer storage device manufacturing	<1	51	66	286
Computer terminals and other computer peripheral equipment manufacturing	<1	111	137	466
Telephone apparatus manufacturing	<1	16	21	62

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	21	26	109
Other communications equipment manufacturing	<1	68	90	282
Audio and video equipment manufacturing	<1	132	187	1,165
Printed circuit assembly (electronic assembly) manufacturing	<1	821	1,038	3,991
Bare printed circuit board manufacturing	<1	248	276	763
Semiconductor and related device manufacturing	<1	37	52	417
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	73	84	396
Electronic connector manufacturing	<1	113	134	643
Other electronic component manufacturing	<1	90	101	359
Electromedical and electrotherapeutic apparatus manufacturing	<1	135	176	529
Search, detection, and navigation instruments manufacturing	<1	<1	1	3
Automatic environmental control manufacturing	<1	2,410	2,889	8,864
Industrial process variable instruments manufacturing	<1	106	129	375
Totalizing fluid meter and counting device manufacturing	<1	23	35	92
Electricity and signal testing instruments manufacturing	<1	16	18	69
Analytical laboratory instrument manufacturing	<1	16	20	59
Irradiation apparatus manufacturing	<1	4	5	24
Watch, clock, and other measuring and controlling device manufacturing	<1	2,782	3,420	14,080
Blank magnetic and optical recording media manufacturing	<1	512	1,389	14,112
Software and other prerecorded and record reproducing	<1	676	886	4,387
Electric lamp bulb and part manufacturing	<1	862	1,446	2,962
Lighting fixture manufacturing	<1	8,448	11,113	34,352
Small electrical appliance manufacturing	<1	3,968	8,882	30,546



## Appendix

Household cooking appliance manufacturing	<1	3,140	8,027	27,601
Household refrigerator and home freezer manufacturing	<1	3,817	9,024	28,946
Household laundry equipment manufacturing	<1	11,631	20,244	82,056
Other major household appliance manufacturing	<1	1,870	5,018	14,440
Power, distribution, and specialty transformer manufacturing	<1	347	513	1,453
Motor and generator manufacturing	<1	374	731	2,247
Switchgear and switchboard apparatus manufacturing	<1	2,905	5,587	13,891
Relay and industrial control manufacturing	<1	68	96	329
Storage battery manufacturing	<1	2,400	4,083	11,414
Primary battery manufacturing	<1	507	2,182	2,912
Fiber optic cable manufacturing	<1	278	432	1,926
Other communication and energy wire manufacturing	<1	125	235	1,084
Wiring device manufacturing	<1	2,353	4,901	11,910
Carbon and graphite product manufacturing	<1	1,155	1,850	5,639
All other miscellaneous electrical equipment and component manufacturing	<1	21	25	85
Automobile manufacturing	<1	19,065	65,118	277,234
Light truck and utility vehicle manufacturing	<1	4,271	14,191	87,430
Heavy duty truck manufacturing	<1	24	44	146
Motor vehicle body manufacturing	<1	357	454	1,855
Truck trailer manufacturing	<1	22	28	114
Motor home manufacturing	<1	7,994	12,886	56,431
Travel trailer and camper manufacturing	<1	1,806	2,162	14,304
Motor vehicle gasoline engine and engine parts manufacturing	<1	8,158	12,184	71,672
Motor vehicle electrical and electronic equipment manufacturing	<1	15,977	19,939	98,278
Motor vehicle transmission and power train parts manufacturing	<1	5,589	7,853	48,546
Motor vehicle seating and interior trim manufacturing	<1	6,745	7,875	45,822
Motor vehicle metal stamping	<1	21,503	26,242	106,552
Other motor vehicle parts manufacturing	<1	25,404	33,679	165,577

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	9,508	12,835	62,849
Aircraft manufacturing	<1	1	2	6
Aircraft engine and engine parts manufacturing	<1	70	177	549
Other aircraft parts and auxiliary equipment manufacturing	<1	125	187	366
Guided missile and space vehicle manufacturing	<1	53	92	256
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	13	14	44
Ship building and repairing	<1	151	217	458
Boat building	<1	11,838	18,906	52,627
Motorcycle, bicycle, and parts manufacturing	<1	425	1,893	4,785
Military armored vehicle, tank, and tank component manufacturing	<1	3,390	8,219	23,469
All other transportation equipment manufacturing	<1	1,311	3,144	13,768
Wood kitchen cabinet and countertop manufacturing	<1	4,062	4,270	12,105
Upholstered household furniture manufacturing	<1	6,255	6,458	23,883
Nonupholstered wood household furniture manufacturing	<1	533	546	1,817
Other household nonupholstered furniture manufacturing	<1	221	256	1,362
Institutional furniture manufacturing	<1	171	176	656
Wood office furniture manufacturing	<1	35	36	160
Custom architectural woodwork and millwork	<1	150	138	448
Office furniture, except wood, manufacturing	<1	169	179	880
Showcase, partition, shelving, and locker manufacturing	<1	820	863	2,897
Mattress manufacturing	<1	666	760	4,775
Blind and shade manufacturing	<1	60	60	259
Surgical and medical instrument manufacturing	<1	878	1,330	2,282
Surgical appliance and supplies manufacturing	<1	10,790	20,412	40,147

## Appendix

Dental equipment and supplies manufacturing	<1	43	72	184
Ophthalmic goods manufacturing	<1	215	410	875
Dental laboratories	<1	1,371	1,564	2,854
Jewelry and silverware manufacturing	<1	1,547	2,786	7,849
Sporting and athletic goods manufacturing	<1	1,650	2,399	5,981
Doll, toy, and game manufacturing	<1	977	1,819	4,812
Office supplies (except paper) manufacturing	<1	3,564	5,456	16,618
Sign manufacturing	<1	3,989	3,820	9,313
Gasket, packing, and sealing device manufacturing	<1	977	1,107	2,579
Musical instrument manufacturing	<1	787	870	1,966
Fasteners, buttons, needles, and pins manufacturing	<1	142	168	417
Broom, brush, and mop manufacturing	<1	1,343	1,984	5,303
Burial casket manufacturing	<1	586	864	2,026
All other miscellaneous manufacturing	<1	1,078	1,503	3,771
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	25,397	56,681	122,849
Wholesale - Professional and commercial equipment and supplies	<1	118,798	191,260	341,661
Wholesale - Household appliances and electrical and electronic goods	<1	52,663	133,014	290,312
Wholesale - Machinery, equipment, and supplies	<1	84,033	162,964	293,493
Wholesale - Other durable goods merchant wholesalers	2	171,786	322,555	658,153
Wholesale - Drugs and druggists'sundries	<1	78,698	197,287	448,785
Wholesale - Grocery and related product wholesalers	<1	84,927	131,862	257,179
Wholesale - Petroleum and petroleum products	<1	18,236	287,306	341,214
Wholesale - Other nondurable goods merchant wholesalers	2	140,494	332,112	624,980
Wholesale - Wholesale electronic markets and agents and brokers	<1	85,237	97,724	115,998
Retail - Motor vehicle and parts dealers	1	121,552	181,414	248,748
Retail - Furniture and home furnishings stores	<1	65,586	90,036	138,950

## Appendix

Retail - Electronics and appliance stores	<1	66,803	65,535	101,667
Retail - Building material and garden equipment and supplies stores	2	135,533	279,224	383,072
Retail - Food and beverage stores	4	176,162	257,773	412,958
Retail - Health and personal care stores	2	113,257	147,541	221,846
Retail - Gasoline stores	1	84,753	160,830	271,433
Retail - Clothing and clothing accessories stores	2	78,619	142,486	286,386
Retail - Sporting goods, hobby, musical instrument and book stores	1	53,218	74,536	117,898
Retail - General merchandise stores	4	155,814	274,576	447,414
Retail - Miscellaneous store retailers	3	110,625	127,168	206,032
Retail - Nonstore retailers	4	108,800	550,536	872,071
Air transportation	<1	39,139	104,803	209,000
Rail transportation	<1	24,625	70,563	132,575
Water transportation	<1	19,839	37,304	142,183
Truck transportation	4	313,605	476,662	962,911
Transit and ground passenger transportation	2	38,860	58,896	94,700
Pipeline transportation	<1	43,401	46,219	63,882
Scenic and sightseeing transportation and support activities for transportation	3	239,949	186,625	296,994
Couriers and messengers	2	129,287	226,154	247,929
Warehousing and storage	3	198,226	209,704	384,100
Newspaper publishers	<1	11,877	14,690	26,929
Periodical publishers	<1	9,391	10,362	20,776
Book publishers	<1	8,032	13,221	35,780
Directory, mailing list, and other publishers	<1	3,920	6,109	13,915
Greeting card publishing	0	0	0	0
Software publishers	1	176,418	238,220	384,143
Motion picture and video industries	<1	64,656	78,187	220,125
Sound recording industries	<1	13,980	39,946	76,188
Radio and television broadcasting	<1	138,101	177,707	440,953
Cable and other subscription programming	<1	38,801	149,112	367,755
Wired telecommunications carriers	<1	67,059	142,831	306,384

## Appendix

Wireless telecommunications carriers (except satellite)	<1	15,122	108,585	339,949
Satellite, telecommunications resellers, and all other telecommunications	<1	6,587	8,580	22,167
Data processing, hosting, and related services	1	135,596	289,526	723,185
News syndicates, libraries, archives and all other information services	<1	15,948	24,032	52,353
Internet publishing and broadcasting and web search portals	<1	20,220	54,123	297,953
Nondepository credit intermediation and related activities	2	192,875	208,549	343,634
Securities and commodity contracts intermediation and brokerage	3	208,746	177,416	384,751
Monetary authorities and depository credit intermediation	4	474,537	1,367,335	2,091,319
Other financial investment activities	3	167,127	195,083	524,465
Direct life insurance carriers	<1	71,999	161,734	232,570
Insurance carriers, except direct life	2	148,134	534,869	1,098,115
Insurance agencies, brokerages, and related activities	2	193,497	322,204	730,939
Funds, trusts, and other financial vehicles	1	35,752	62,982	259,652
Other real estate	19	618,108	1,754,936	4,193,014
Tenant-occupied housing	2	54,397	490,657	537,558
Owner-occupied dwellings	0	0	2,357,441	2,862,369
Automotive equipment rental and leasing	<1	45,656	136,824	186,374
General and consumer goods rental except video tapes and discs	<1	33,603	56,981	86,793
Video tape and disc rental	<1	9,907	17,061	26,597
Commercial and industrial machinery and equipment rental and leasing	<1	59,879	150,306	205,365
Lessors of nonfinancial intangible assets	<1	9,837	147,463	158,493
Legal services	6	547,427	1,003,149	1,384,960
Accounting, tax preparation, bookkeeping, and payroll services	3	318,302	384,140	571,991
Architectural, engineering, and related services	3	317,111	344,886	617,753
Specialized design services	<1	16,650	26,989	51,201

Appendix

Custom computer programming services	<1	67,296	72,431	103,562
Computer systems design services	1	110,578	103,381	136,342
Other computer related services, including facilities management	<1	19,179	29,494	51,728
Management consulting services	10	943,961	980,644	1,645,333
Environmental and other technical consulting services	1	100,854	110,682	180,801
Scientific research and development services	110	10,681,987	13,646,404	27,033,652
Advertising, public relations, and related services	2	191,402	265,803	544,680
Photographic services	<1	6,321	15,399	37,517
Veterinary services	<1	20,728	23,059	37,087
Marketing research and all other miscellaneous professional, scientific, and technical services	2	172,331	272,914	626,356
Management of companies and enterprises	9	1,399,299	1,196,843	2,012,125
Office administrative services	3	212,777	92,351	229,415
Facilities support services	3	125,335	167,930	437,925
Employment services	20	877,088	1,201,543	2,191,917
Business support services	3	141,838	125,238	237,116
Travel arrangement and reservation services	<1	31,082	49,605	157,357
Investigation and security services	3	109,256	112,645	169,531
Services to buildings	3	130,995	185,036	387,995
Landscape and horticultural services	2	85,327	106,079	204,675
Other support services	1	67,499	86,536	168,392
Waste management and remediation services	<1	77,602	119,412	250,182
Elementary and secondary schools	2	81,882	71,336	86,157
Junior colleges, colleges, universities, and professional schools	6	280,294	364,855	500,578
Other educational services	1	55,469	61,728	121,072
Offices of physicians	7	849,212	855,045	1,197,373
Offices of dentists	2	130,426	139,412	188,914
Offices of other health practitioners	2	130,731	154,776	202,079
Outpatient care centers	2	151,353	148,558	228,042
Medical and diagnostic laboratories	<1	67,970	82,222	118,395
Home health care services	2	148,656	147,268	182,737

## Appendix

Other ambulatory health care services	<1	50,884	54,161	80,549
Hospitals	7	1,049,890	1,094,055	1,759,102
Nursing and community care facilities	2	119,770	133,583	215,596
Residential mental retardation, mental health, substance abuse and other facilities	1	56,655	59,664	87,409
Individual and family services	4	138,415	118,109	170,548
Child day care services	2	53,518	67,273	94,743
Community food, housing, and other relief services, including rehabilitation services	<1	31,109	29,680	64,897
Performing arts companies	<1	44,274	66,976	85,477
Commercial Sports Except Racing	<1	84,168	82,925	92,705
Racing and Track Operation	<1	4,976	8,049	11,845
Independent artists, writers, and performers	<1	51,291	110,497	128,966
Promoters of performing arts and sports and agents for public figures	<1	39,984	80,072	114,323
Museums, historical sites, zoos, and parks	<1	8,764	10,741	19,665
Amusement parks and arcades	<1	3,384	9,213	10,804
Gambling industries (except casino hotels)	<1	33,860	84,846	112,611
Other amusement and recreation industries	1	29,088	39,046	55,080
Fitness and recreational sports centers	<1	15,829	23,188	37,140
Bowling centers	<1	3,485	5,984	9,380
Hotels and motels, including casino hotels	1	41,201	104,759	149,073
Other accommodations	<1	10,592	13,540	17,936
Full-service restaurants	10	375,206	548,713	1,011,934
Limited-service restaurants	9	271,448	417,840	940,847
All other food and drinking places	5	200,037	306,906	475,131
Automotive repair and maintenance, except car washes	3	198,364	254,846	349,799
Car washes	1	105,774	159,247	226,750
Electronic and precision equipment repair and maintenance	2	165,809	211,185	339,891
Commercial and industrial machinery and equipment repair and maintenance	1	95,567	113,067	170,497
Personal and household goods repair and maintenance	<1	29,991	64,008	86,013

## Appendix

Personal care services	2	71,276	64,543	75,322
Death care services	<1	19,309	18,689	24,583
Dry-cleaning and laundry services	1	35,335	32,792	39,958
Other personal services	2	60,566	79,727	113,288
Religious organizations	2	127,308	91,849	212,296
Grantmaking, giving, and social advocacy organizations	<1	28,706	110,210	147,549
Business and professional associations	<1	32,318	62,528	100,046
Labor and civic organizations	<1	21,250	80,539	138,870
Private households	2	31,286	31,286	31,422
Postal service	<1	95,239	95,826	96,543
Federal electric utilities	<1	101,505	288,484	686,873
Other federal government enterprises	<1	2,975	4,009	9,095
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,583	3,725	8,749
Local government passenger transit	<1	1,478	188	1,090
Local government electric utilities	<1	52,297	152,955	331,682
Other local government enterprises	1	104,722	214,366	517,487
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0



Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	29	3,915,526	6,178,821	6,713,425

## Texas

## NASA

Table 754: Detailed NASA Impacts by Types of Impact, Texas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>39,154</i>	<i>3,455,118,613</i>	<i>5,268,098,465</i>	<i>9,855,142,208</i>
Oilseed farming	<1	116,488	312,350	551,156
Grain farming	53	2,098,231	2,195,433	12,933,810
Vegetable and melon farming	7	259,762	400,112	844,781
Fruit farming	4	126,927	185,728	298,798
Tree nut farming	<1	29,154	45,115	77,136
Greenhouse, nursery, and floriculture production	15	467,233	712,408	1,595,438
Tobacco farming	0	0	0	0
Cotton farming	7	254,854	377,857	758,016
Sugarcane and sugar beet farming	2	54,757	78,669	174,179
All other crop farming	95	614,087	857,078	1,954,910
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	209	3,529,981	6,646,541	21,098,765
Dairy cattle and milk production	19	786,289	1,310,233	7,409,970
Poultry and egg production	30	728,505	1,196,645	14,575,053
Animal production, except cattle and poultry and eggs	48	1,490,193	3,750,133	4,989,827
Forestry, forest products, and timber tract production	2	126,960	148,055	204,140
Commercial logging	8	331,176	367,362	690,239
Commercial fishing	6	-143,848	292,273	309,972
Commercial hunting and trapping	4	47,549	202,779	305,111
Support activities for agriculture and forestry	103	4,066,925	4,147,735	4,683,570
Oil and gas extraction	43	14,213,109	61,108,902	92,565,505
Coal mining	8	796,174	2,995,552	4,500,405
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	57,891	152,693	314,240
Gold ore mining	<1	7,752	26,781	48,996
Silver ore mining	<1	1,717	4,061	7,765
Uranium-radium-vanadium ore mining	2	182,321	808,258	1,339,986
Other metal ore mining	0	0	0	0
Stone mining and quarrying	3	254,597	1,343,187	2,043,778
Sand and gravel mining	4	389,377	838,109	1,398,399

## Appendix

Other clay, ceramic, refractory minerals mining	<1	71,181	168,251	274,969
Potash, soda, and borate mineral mining	<1	21,158	36,087	68,474
Phosphate rock mining	<1	6,453	14,902	27,413
Other chemical and fertilizer mineral mining	<1	6,013	10,681	20,627
Other nonmetallic minerals	<1	38,189	82,359	152,978
Drilling oil and gas wells	<1	7,167	24,361	38,017
Support activities for oil and gas operations	<1	105,809	201,863	342,053
Metal mining services	4	944,333	4,329,474	7,609,603
Other nonmetallic minerals services	<1	27,030	126,827	207,444
Electric power generation - Hydroelectric	2	496,377	1,154,391	2,017,425
Electric power generation - Fossil fuel	14	2,245,180	8,831,891	21,695,090
Electric power generation - Nuclear	5	1,097,446	2,338,463	4,857,707
Electric power generation - Solar	3	497,812	1,183,827	2,312,317
Electric power generation - Wind	8	1,407,744	12,585,506	23,474,189
Electric power generation - Geothermal	<1	6,841	15,839	29,643
Electric power generation - Biomass	<1	42,335	124,785	298,494
Electric power generation - All other	<1	159,220	-16,998	74,195
Electric power transmission and distribution	62	10,738,535	39,615,878	92,652,250
Natural gas distribution	14	2,954,478	10,444,939	19,648,649
Water, sewage and other systems	12	1,226,811	2,677,132	4,863,640
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	214	15,869,092	15,828,395	32,448,084
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	130	8,949,448	12,248,505	31,790,368
Maintenance and repair construction of residential structures	59	3,828,046	5,113,133	12,466,501
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4,019	5,631	14,319
Dog and cat food manufacturing	4	362,436	1,019,981	3,862,340
Other animal food manufacturing	10	926,941	1,788,175	12,876,411
Flour milling	4	403,489	929,104	5,189,676
Rice milling	<1	69,049	133,681	691,800
Malt manufacturing	<1	14,361	26,439	146,407
Wet corn milling	<1	8,236	19,491	264,555
Soybean and other oilseed processing	2	180,673	1,254,850	10,624,649
Fats and oils refining and blending	1	161,199	468,290	3,109,349
Breakfast cereal manufacturing	1	59,700	160,066	802,657
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	77,867	247,088	891,938
Nonchocolate confectionery manufacturing	4	255,844	372,066	1,625,617
Chocolate and confectionery manufacturing from cacao beans	<1	10,409	15,539	79,211
Confectionery manufacturing from purchased chocolate	7	517,863	782,676	2,828,141
Frozen fruits, juices and vegetables manufacturing	1	64,318	147,209	691,569
Frozen specialties manufacturing	15	1,055,315	1,493,297	5,684,339
Canned fruits and vegetables manufacturing	4	309,138	618,323	2,151,403
Canned specialties	4	389,495	956,859	3,431,402
Dehydrated food products manufacturing	<1	44,078	85,333	296,643
Cheese manufacturing	4	309,398	455,702	3,955,013
Dry, condensed, and evaporated dairy product manufacturing	5	479,476	1,240,023	6,138,527
Fluid milk manufacturing	5	527,409	867,884	4,280,047
Creamery butter manufacturing	<1	74,433	281,184	1,375,899
Ice cream and frozen dessert manufacturing	2	138,593	202,555	839,378

## Appendix

Frozen cakes and other pastries manufacturing	28	1,162,350	1,779,325	3,211,722
Poultry processing	48	3,330,154	4,234,152	18,074,866
Animal, except poultry, slaughtering	35	2,821,152	3,516,978	25,963,507
Meat processed from carcasses	31	2,396,976	2,347,430	17,552,904
Rendering and meat byproduct processing	2	219,173	232,397	1,049,529
Seafood product preparation and packaging	5	346,282	497,282	2,491,726
Bread and bakery product, except frozen, manufacturing	61	3,345,492	5,054,735	11,221,937
Cookie and cracker manufacturing	7	357,870	527,833	2,336,730
Dry pasta, mixes, and dough manufacturing	2	177,533	425,941	1,240,550
Tortilla manufacturing	5	302,396	418,887	1,414,874
Roasted nuts and peanut butter manufacturing	3	272,376	687,863	2,106,811
Other snack food manufacturing	13	903,456	2,538,257	8,236,908
Coffee and tea manufacturing	3	177,687	345,097	1,699,606
Flavoring syrup and concentrate manufacturing	2	329,074	2,638,910	5,055,984
Mayonnaise, dressing, and sauce manufacturing	4	353,754	714,637	2,498,639
Spice and extract manufacturing	3	378,295	637,018	2,103,174
All other food manufacturing	8	633,777	923,114	3,811,503
Bottled and canned soft drinks & water	17	1,574,438	3,132,047	12,109,365
Manufactured ice	1	70,285	55,640	236,736
Breweries	14	1,028,229	2,194,237	5,193,379
Wineries	10	526,359	1,018,149	3,555,044
Distilleries	7	612,664	2,591,121	5,910,681
Tobacco product manufacturing	<1	69,487	1,987,345	2,905,359
Fiber, yarn, and thread mills	<1	4,708	5,740	42,695
Broadwoven fabric mills	2	86,272	106,930	481,327
Narrow fabric mills and schiffli machine embroidery	<1	20,814	21,966	62,448
Nonwoven fabric mills	2	109,733	139,560	802,468
Knit fabric mills	<1	1,095	1,233	2,772
Textile and fabric finishing mills	1	49,784	58,113	291,471
Fabric coating mills	1	83,114	93,288	461,162
Carpet and rug mills	<1	61,587	78,581	331,283
Curtain and linen mills	2	111,040	126,525	503,312
Textile bag and canvas mills	3	159,767	185,147	639,883
Rope, cordage, twine, tire cord and tire fabric mills	2	140,108	175,339	603,367

## Appendix

Other textile product mills	5	218,026	240,417	820,529
Hosiery and sock mills	<1	26,942	40,101	95,081
Other apparel knitting mills	<1	25,562	39,984	97,317
Cut and sew apparel contractors	5	141,493	155,115	368,775
Men's and boys' cut and sew apparel manufacturing	3	87,941	99,892	325,285
Women's and girls' cut and sew apparel manufacturing	3	91,576	103,816	594,054
Other cut and sew apparel manufacturing	2	47,367	58,131	211,156
Apparel accessories and other apparel manufacturing	5	137,183	149,839	548,896
Leather and hide tanning and finishing	<1	46,420	51,222	238,325
Footwear manufacturing	7	271,626	280,767	964,608
Other leather and allied product manufacturing	3	135,104	136,293	434,794
Sawmills	6	501,575	797,857	3,196,972
Wood preservation	<1	57,572	134,376	603,738
Veneer and plywood manufacturing	4	285,984	419,342	1,465,584
Engineered wood member and truss manufacturing	4	337,917	494,570	1,507,558
Reconstituted wood product manufacturing	2	146,427	366,518	1,736,400
Wood windows and door manufacturing	9	715,973	891,413	2,697,942
Cut stock, resawing lumber, and planing	<1	57,932	100,413	330,433
Other millwork, including flooring	4	278,798	399,467	1,259,053
Wood container and pallet manufacturing	6	365,873	461,015	1,423,679
Manufactured home (mobile home) manufacturing	<1	2,603	3,363	10,231
Prefabricated wood building manufacturing	<1	46,125	67,808	202,466
All other miscellaneous wood product manufacturing	2	104,307	132,972	471,326
Pulp mills	<1	8,528	12,709	54,146
Paper mills	<1	61,038	121,274	467,295
Paperboard mills	9	1,223,799	2,351,754	8,382,537
Paperboard container manufacturing	21	1,969,965	2,855,544	12,137,898
Paper bag and coated and treated paper manufacturing	13	1,132,373	1,677,908	6,343,898
Stationery product manufacturing	1	123,386	153,069	602,904

## Appendix

Sanitary paper product manufacturing	7	894,327	2,399,651	6,764,838
All other converted paper product manufacturing	2	201,560	319,819	943,392
Printing	85	5,055,121	6,936,640	15,710,657
Support activities for printing	3	189,757	259,552	427,998
Petroleum refineries	9	3,944,898	22,106,409	112,017,267
Asphalt paving mixture and block manufacturing	<1	147,517	193,281	727,564
Asphalt shingle and coating materials manufacturing	<1	218,351	543,708	1,253,483
Petroleum lubricating oil and grease manufacturing	6	1,919,849	3,852,150	9,238,193
All other petroleum and coal products manufacturing	<1	205,184	495,733	1,101,381
Petrochemical manufacturing	15	3,314,811	36,717,449	118,338,960
Industrial gas manufacturing	3	715,617	1,896,529	4,423,174
Synthetic dye and pigment manufacturing	2	439,240	810,416	1,857,068
Other basic inorganic chemical manufacturing	4	882,437	1,781,832	4,341,030
Other basic organic chemical manufacturing	17	2,998,376	6,778,804	34,324,249
Plastics material and resin manufacturing	15	2,881,060	4,852,012	23,852,903
Synthetic rubber manufacturing	1	159,341	219,594	910,498
Artificial and synthetic fibers and filaments manufacturing	<1	92,021	128,649	452,647
Nitrogenous fertilizer manufacturing	<1	119,630	377,846	1,261,000
Phosphatic fertilizer manufacturing	<1	16,696	41,627	160,772
Fertilizer mixing	<1	62,521	117,639	399,753
Pesticide and other agricultural chemical manufacturing	2	373,233	1,167,456	4,002,503
Medicinal and botanical manufacturing	2	168,712	252,025	805,728
Pharmaceutical preparation manufacturing	27	5,045,421	11,991,032	28,395,689
In-vitro diagnostic substance manufacturing	<1	37,408	51,721	125,393
Biological product (except diagnostic) manufacturing	2	289,514	756,810	1,595,521
Paint and coating manufacturing	6	825,394	1,547,158	5,757,812
Adhesive manufacturing	3	366,776	558,032	2,137,480
Soap and other detergent manufacturing	4	458,291	1,106,058	4,207,171
Polish and other sanitation good manufacturing	4	548,614	833,295	2,288,998

## Appendix

Surface active agent manufacturing	<1	50,488	176,793	490,908
Toilet preparation manufacturing	7	789,737	2,135,358	5,671,936
Printing ink manufacturing	<1	107,064	115,959	437,548
Explosives manufacturing	<1	65,447	73,449	195,868
Custom compounding of purchased resins	4	467,664	813,119	2,787,332
Photographic film and chemical manufacturing	1	185,333	364,349	1,055,979
Other miscellaneous chemical product manufacturing	7	1,155,807	1,728,963	5,399,081
Plastics packaging materials and unlaminated film and sheet manufacturing	17	1,383,486	2,095,011	8,868,684
Unlaminated plastics profile shape manufacturing	3	199,793	405,179	1,571,528
Plastics pipe and pipe fitting manufacturing	6	572,224	1,444,000	4,774,579
Laminated plastics plate, sheet (except packaging), and shape manufacturing	4	326,127	508,751	1,479,805
Polystyrene foam product manufacturing	8	666,716	1,103,863	4,173,390
Urethane and other foam product (except polystyrene) manufacturing	10	665,034	1,060,445	4,517,838
Plastics bottle manufacturing	5	380,895	560,916	2,561,461
Other plastics product manufacturing	39	2,931,399	4,145,794	13,806,634
Tire manufacturing	2	182,600	228,235	945,975
Rubber and plastics hoses and belting manufacturing	3	197,364	295,801	991,581
Other rubber product manufacturing	9	683,221	837,138	2,887,772
Pottery, ceramics, and plumbing fixture manufacturing	2	177,414	275,626	552,315
Brick, tile, and other structural clay product manufacturing	2	201,860	332,661	719,384
Flat glass manufacturing	<1	79,878	153,909	347,541
Other pressed and blown glass and glassware manufacturing	6	572,098	934,203	2,149,218
Glass container manufacturing	2	263,769	415,723	966,229
Glass product manufacturing made of purchased glass	5	422,834	746,238	1,822,333
Cement manufacturing	1	149,146	332,710	850,899
Ready-mix concrete manufacturing	10	960,544	1,549,754	4,757,965
Concrete block and brick manufacturing	2	171,689	298,721	714,645
Concrete pipe manufacturing	2	181,297	294,419	665,628



## Appendix

Other concrete product manufacturing	7	553,711	807,945	1,962,876
Lime manufacturing	<1	91,659	190,593	533,965
Gypsum product manufacturing	2	219,568	602,885	1,529,251
Abrasive product manufacturing	1	107,730	225,214	397,191
Cut stone and stone product manufacturing	3	198,395	254,706	542,980
Ground or treated mineral and earth manufacturing	<1	41,731	92,377	219,646
Mineral wool manufacturing	1	135,057	343,276	778,749
Miscellaneous nonmetallic mineral products manufacturing	1	98,595	222,986	531,291
Iron and steel mills and ferroalloy manufacturing	9	991,252	3,098,833	17,201,416
Iron, steel pipe and tube manufacturing from purchased steel	2	179,151	487,857	2,027,268
Rolled steel shape manufacturing	3	246,784	1,085,566	3,560,767
Steel wire drawing	2	116,754	284,638	1,028,314
Alumina refining and primary aluminum production	<1	35,452	68,600	260,600
Secondary smelting and alloying of aluminum	<1	30,735	74,478	732,105
Aluminum sheet, plate, and foil manufacturing	2	147,878	382,086	1,627,408
Other aluminum rolling, drawing and extruding	3	233,573	386,654	1,761,355
Nonferrous metal (exc aluminum) smelting and refining	<1	50,431	432,611	1,066,927
Copper rolling, drawing, extruding and alloying	6	569,919	1,400,751	10,161,370
Nonferrous metal, except copper and aluminum, shaping	<1	34,820	45,919	174,881
Secondary processing of other nonferrous metals	<1	3,632	9,136	42,512
Ferrous metal foundries	3	222,582	446,686	1,062,867
Nonferrous metal foundries	2	135,928	204,161	561,440
Custom roll forming	<1	22,261	29,841	174,080
Crown and closure manufacturing and metal stamping	5	347,712	429,427	1,405,416
Iron and steel forging	3	335,150	430,764	1,464,672
Nonferrous forging	<1	22,240	27,034	97,793
Cutlery, utensil, pot, and pan manufacturing	<1	42,250	78,497	317,890
Handtool manufacturing	5	369,945	541,254	1,400,960
Prefabricated metal buildings and components manufacturing	5	510,231	698,543	2,452,078

## Appendix

Fabricated structural metal manufacturing	14	1,318,837	1,829,310	6,508,635
Plate work manufacturing	6	546,799	607,565	1,829,300
Metal window and door manufacturing	9	655,779	855,313	2,643,427
Sheet metal work manufacturing	10	743,901	952,146	2,985,436
Ornamental and architectural metal work manufacturing	7	503,541	588,446	1,704,299
Power boiler and heat exchanger manufacturing	<1	84,526	109,370	301,655
Metal tank (heavy gauge) manufacturing	2	197,511	233,225	715,158
Metal cans manufacturing	2	237,557	397,099	2,154,048
Metal barrels, drums and pails manufacturing	1	90,499	112,336	466,650
Hardware manufacturing	2	135,879	188,052	732,143
Spring and wire product manufacturing	4	361,209	449,216	1,451,225
Machine shops	20	1,552,128	1,771,631	3,859,396
Turned product and screw, nut, and bolt manufacturing	4	333,664	406,821	1,234,760
Metal heat treating	3	306,543	381,058	978,459
Metal coating and nonprecious engraving	7	515,033	814,347	2,461,853
Electroplating, anodizing, and coloring metal	5	362,644	388,973	888,478
Valve and fittings, other than plumbing, manufacturing	6	554,547	763,488	2,254,126
Plumbing fixture fitting and trim manufacturing	1	93,870	190,383	855,495
Ball and roller bearing manufacturing	<1	48,648	71,713	203,720
Small arms ammunition manufacturing	2	144,146	283,356	763,740
Ammunition, except for small arms, manufacturing	<1	123,132	134,803	263,608
Small arms, ordnance, and accessories manufacturing	3	240,565	437,709	1,380,026
Fabricated pipe and pipe fitting manufacturing	3	236,332	282,388	797,822
Other fabricated metal manufacturing	8	669,936	836,871	2,496,469
Farm machinery and equipment manufacturing	<1	34,208	77,454	308,311
Lawn and garden equipment manufacturing	<1	11,730	24,248	99,255
Construction machinery manufacturing	<1	14,599	42,519	110,819
Mining machinery and equipment manufacturing	<1	9,550	15,697	38,894

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	88,192	121,676	303,628
Semiconductor machinery manufacturing	<1	6,748	8,839	25,966
Food product machinery manufacturing	<1	2,791	3,377	10,121
Sawmill, woodworking, and paper machinery	<1	2,462	2,920	8,170
Printing machinery and equipment manufacturing	<1	9,945	11,404	30,091
All other industrial machinery manufacturing	<1	33,391	46,712	104,731
Optical instrument and lens manufacturing	<1	11,476	18,866	45,218
Photographic and photocopying equipment manufacturing	<1	3,412	4,553	13,583
Other commercial service industry machinery manufacturing	<1	42,319	81,110	225,461
Air purification and ventilation equipment manufacturing	1	95,727	137,920	376,999
Heating equipment (except warm air furnaces) manufacturing	<1	58,556	107,755	255,317
Air conditioning, refrigeration, and warm air heating equipment manufacturing	9	711,960	1,452,665	4,224,635
Industrial mold manufacturing	<1	19,726	25,874	60,691
Special tool, die, jig, and fixture manufacturing	<1	15,007	22,368	42,374
Cutting tool and machine tool accessory manufacturing	<1	15,885	19,775	48,354
Machine tool manufacturing	<1	8,234	11,660	35,964
Rolling mill and other metalworking machinery manufacturing	<1	11,793	17,772	40,277
Turbine and turbine generator set units manufacturing	<1	10,705	12,199	35,036
Speed changer, industrial high-speed drive, and gear manufacturing	1	101,508	165,369	414,027
Mechanical power transmission equipment manufacturing	2	171,150	282,371	641,797
Other engine equipment manufacturing	4	492,160	1,294,096	4,704,289
Pump and pumping equipment manufacturing	<1	25,754	51,953	135,286
Air and gas compressor manufacturing	<1	25,631	38,872	91,268
Elevator and moving stairway manufacturing	<1	5,643	8,026	21,446

## Appendix

Conveyor and conveying equipment manufacturing	<1	12,814	15,159	43,996
Overhead cranes, hoists, and monorail systems manufacturing	<1	8,309	17,890	51,714
Industrial truck, trailer, and stacker manufacturing	<1	35,219	69,377	206,014
Power-driven handtool manufacturing	<1	14,067	50,583	119,989
Welding and soldering equipment manufacturing	<1	14,434	25,559	69,476
Packaging machinery manufacturing	<1	9,277	15,958	42,091
Industrial process furnace and oven manufacturing	<1	3,650	4,839	11,876
Fluid power cylinder and actuator manufacturing	<1	84,599	133,092	304,537
Fluid power pump and motor manufacturing	<1	17,085	33,147	91,671
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	19,561	26,219	72,875
Electronic computer manufacturing	5	1,197,349	1,563,485	4,576,125
Computer storage device manufacturing	<1	36,221	49,092	126,814
Computer terminals and other computer peripheral equipment manufacturing	2	379,603	500,200	1,237,304
Telephone apparatus manufacturing	2	365,964	539,654	1,326,005
Broadcast and wireless communications equipment manufacturing	1	199,201	251,205	571,155
Other communications equipment manufacturing	2	205,762	293,741	822,672
Audio and video equipment manufacturing	<1	27,455	41,837	258,062
Printed circuit assembly (electronic assembly) manufacturing	12	998,620	1,407,170	6,094,849
Bare printed circuit board manufacturing	3	397,449	461,574	995,495
Semiconductor and related device manufacturing	64	9,541,103	13,712,049	47,484,498
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	71,248	84,429	286,191
Electronic connector manufacturing	10	771,420	953,449	3,429,477
Other electronic component manufacturing	11	1,349,762	1,590,598	3,864,548

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	30,846	43,286	118,474
Search, detection, and navigation instruments manufacturing	<1	63,978	99,314	233,481
Automatic environmental control manufacturing	4	246,054	305,429	878,321
Industrial process variable instruments manufacturing	<1	61,131	78,960	217,898
Totalizing fluid meter and counting device manufacturing	<1	80,233	137,013	370,087
Electricity and signal testing instruments manufacturing	3	280,740	331,392	1,000,690
Analytical laboratory instrument manufacturing	2	269,949	387,732	990,217
Irradiation apparatus manufacturing	<1	736	1,138	4,716
Watch, clock, and other measuring and controlling device manufacturing	<1	32,410	42,238	177,522
Blank magnetic and optical recording media manufacturing	<1	63,675	173,079	793,677
Software and other prerecorded and record reproducing	1	161,209	211,468	546,830
Electric lamp bulb and part manufacturing	<1	76,234	107,576	276,397
Lighting fixture manufacturing	4	368,567	449,043	1,482,704
Small electrical appliance manufacturing	1	93,003	166,638	823,854
Household cooking appliance manufacturing	<1	12,985	24,082	94,175
Household refrigerator and home freezer manufacturing	<1	15,807	27,650	100,935
Household laundry equipment manufacturing	<1	49,399	70,250	305,065
Other major household appliance manufacturing	<1	6,814	13,201	44,047
Power, distribution, and specialty transformer manufacturing	<1	9,253	11,773	36,273
Motor and generator manufacturing	2	140,456	216,823	733,485
Switchgear and switchboard apparatus manufacturing	2	286,461	432,535	1,291,253
Relay and industrial control manufacturing	<1	116,534	142,838	391,304
Storage battery manufacturing	2	200,521	279,755	838,636
Primary battery manufacturing	<1	55,770	37,225	202,879
Fiber optic cable manufacturing	5	551,143	735,580	2,921,727

## Appendix

Other communication and energy wire manufacturing	1	116,883	173,859	724,991
Wiring device manufacturing	3	312,286	512,898	1,397,061
Carbon and graphite product manufacturing	2	202,237	274,890	881,876
All other miscellaneous electrical equipment and component manufacturing	1	98,756	110,805	349,383
Automobile manufacturing	14	1,568,631	8,091,500	23,941,533
Light truck and utility vehicle manufacturing	3	305,403	1,535,293	6,210,311
Heavy duty truck manufacturing	<1	5,032	13,704	50,228
Motor vehicle body manufacturing	<1	29,181	44,770	159,633
Truck trailer manufacturing	<1	5,413	8,214	30,197
Motor home manufacturing	3	256,446	553,357	1,777,492
Travel trailer and camper manufacturing	11	994,005	1,319,369	5,144,209
Motor vehicle gasoline engine and engine parts manufacturing	5	425,471	840,481	3,492,779
Motor vehicle electrical and electronic equipment manufacturing	12	910,258	1,389,809	6,270,792
Motor vehicle transmission and power train parts manufacturing	10	844,145	1,520,523	6,759,916
Motor vehicle seating and interior trim manufacturing	8	611,785	787,648	3,697,715
Motor vehicle metal stamping	12	920,759	1,329,883	4,844,420
Other motor vehicle parts manufacturing	20	1,644,838	2,706,775	11,048,713
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	1	109,850	201,644	764,724
Aircraft manufacturing	1	214,733	533,215	980,504
Aircraft engine and engine parts manufacturing	5	468,328	1,902,580	3,141,982
Other aircraft parts and auxiliary equipment manufacturing	4	567,095	988,408	1,558,603
Guided missile and space vehicle manufacturing	<1	6,559	15,951	26,592
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	11,566	21,707	34,819
Railroad rolling stock manufacturing	<1	7,445	8,624	30,798
Ship building and repairing	<1	24,452	43,911	83,061
Boat building	3	213,965	421,312	1,214,823
Motorcycle, bicycle, and parts manufacturing	<1	95,716	598,221	797,985

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	54,154	197,717	305,640
All other transportation equipment manufacturing	1	96,154	307,427	924,979
Wood kitchen cabinet and countertop manufacturing	17	1,002,318	1,203,014	3,143,862
Upholstered household furniture manufacturing	7	421,071	453,900	1,532,716
Nonupholstered wood household furniture manufacturing	4	199,705	221,583	658,195
Other household nonupholstered furniture manufacturing	<1	42,722	62,872	332,158
Institutional furniture manufacturing	<1	27,861	29,114	99,336
Wood office furniture manufacturing	<1	4,979	5,902	19,642
Custom architectural woodwork and millwork	<1	13,154	12,698	39,284
Office furniture, except wood, manufacturing	<1	15,277	21,896	83,273
Showcase, partition, shelving, and locker manufacturing	1	70,272	87,488	276,552
Mattress manufacturing	5	276,616	425,649	2,023,904
Blind and shade manufacturing	1	65,427	65,664	241,640
Surgical and medical instrument manufacturing	1	143,041	172,160	409,487
Surgical appliance and supplies manufacturing	4	459,984	620,523	1,528,646
Dental equipment and supplies manufacturing	<1	26,856	32,395	79,995
Ophthalmic goods manufacturing	5	417,918	533,406	1,350,180
Dental laboratories	3	263,013	275,728	504,055
Jewelry and silverware manufacturing	7	528,210	777,990	2,043,594
Sporting and athletic goods manufacturing	3	319,590	377,697	1,191,380
Doll, toy, and game manufacturing	1	103,461	126,718	543,768
Office supplies (except paper) manufacturing	3	186,236	225,451	880,417
Sign manufacturing	4	332,554	305,952	731,812
Gasket, packing, and sealing device manufacturing	3	308,703	327,078	757,955
Musical instrument manufacturing	<1	17,194	17,652	43,669
Fasteners, buttons, needles, and pins manufacturing	<1	14,965	15,418	36,219

## Appendix

Broom, brush, and mop manufacturing	<1	41,794	44,607	146,903
Burial casket manufacturing	<1	19,979	25,014	56,789
All other miscellaneous manufacturing	6	483,709	580,154	1,622,724
Wholesale - Motor vehicle and motor vehicle parts and supplies	32	2,823,253	6,881,953	14,624,313
Wholesale - Professional and commercial equipment and supplies	109	16,338,416	26,586,500	43,766,565
Wholesale - Household appliances and electrical and electronic goods	44	5,695,263	15,439,468	30,179,921
Wholesale - Machinery, equipment, and supplies	56	6,045,924	12,268,697	21,152,238
Wholesale - Other durable goods merchant wholesalers	111	10,893,011	21,168,905	41,642,215
Wholesale - Drugs and druggists'sundries	43	7,193,411	20,142,671	40,919,819
Wholesale - Grocery and related product wholesalers	108	8,846,380	14,436,036	28,708,961
Wholesale - Petroleum and petroleum products	21	3,591,044	21,452,764	28,117,799
Wholesale - Other nondurable goods merchant wholesalers	138	13,583,582	29,237,908	55,651,856
Wholesale - Wholesale electronic markets and agents and brokers	68	9,997,063	11,730,056	13,581,249
Retail - Motor vehicle and parts dealers	126	11,109,307	15,901,233	21,560,461
Retail - Furniture and home furnishings stores	90	5,217,837	7,253,217	11,630,622
Retail - Electronics and appliance stores	88	5,867,569	5,557,022	9,028,851
Retail - Building material and garden equipment and supplies stores	98	5,207,657	10,943,917	15,141,715
Retail - Food and beverage stores	403	16,558,393	24,724,061	39,132,095
Retail - Health and personal care stores	176	8,070,461	10,870,935	16,744,562
Retail - Gasoline stores	127	5,082,515	12,288,516	22,245,403
Retail - Clothing and clothing accessories stores	205	7,249,977	12,934,832	26,064,473
Retail - Sporting goods, hobby, musical instrument and book stores	120	4,044,513	5,639,892	9,288,451
Retail - General merchandise stores	360	13,967,104	23,624,582	38,275,718
Retail - Miscellaneous store retailers	272	9,035,354	9,833,453	16,000,222
Retail - Nonstore retailers	320	6,745,618	44,198,229	72,742,597
Air transportation	77	10,633,740	17,116,623	37,031,375



## Appendix

Rail transportation	17	2,387,444	6,286,223	11,393,622
Water transportation	11	1,215,495	1,887,301	8,190,519
Truck transportation	293	19,378,184	29,850,793	65,501,831
Transit and ground passenger transportation	247	2,456,794	3,346,877	7,480,901
Pipeline transportation	11	14,464,106	10,589,735	15,117,808
Scenic and sightseeing transportation and support activities for transportation	203	16,690,293	15,569,797	23,655,274
Couriers and messengers	297	6,776,536	17,426,752	20,972,933
Warehousing and storage	293	15,396,563	16,594,770	31,444,861
Newspaper publishers	12	1,021,548	1,459,993	2,171,210
Periodical publishers	8	896,705	1,132,897	2,108,355
Book publishers	8	985,684	2,057,499	4,556,036
Directory, mailing list, and other publishers	9	1,121,865	2,178,072	3,866,640
Greeting card publishing	<1	35,570	91,139	152,475
Software publishers	164	30,968,065	51,125,162	69,829,256
Motion picture and video industries	45	2,344,234	3,483,933	11,375,845
Sound recording industries	4	257,762	1,404,611	3,076,245
Radio and television broadcasting	36	5,568,898	9,813,216	23,815,262
Cable and other subscription programming	8	1,309,818	9,131,441	20,259,320
Wired telecommunications carriers	73	9,356,300	27,042,883	42,901,756
Wireless telecommunications carriers (except satellite)	18	2,280,035	21,726,529	45,867,178
Satellite, telecommunications resellers, and all other telecommunications	17	2,246,753	4,096,817	7,728,209
Data processing, hosting, and related services	196	29,408,972	54,543,004	139,790,823
News syndicates, libraries, archives and all other information services	9	877,955	1,266,655	2,927,737
Internet publishing and broadcasting and web search portals	40	6,491,445	15,240,237	55,783,383
Nondepository credit intermediation and related activities	163	20,553,067	21,594,622	32,775,159
Securities and commodity contracts intermediation and brokerage	365	25,858,972	18,961,305	43,068,688
Monetary authorities and depository credit intermediation	398	49,050,770	111,250,511	177,765,373

## Appendix

Other financial investment activities	373	23,383,700	25,246,395	68,760,820
Direct life insurance carriers	68	7,077,207	13,872,930	21,006,333
Insurance carriers, except direct life	194	19,899,689	59,080,020	126,725,404
Insurance agencies, brokerages, and related activities	277	24,519,096	38,096,419	91,092,337
Funds, trusts, and other financial vehicles	112	4,370,006	8,988,232	28,520,982
Other real estate	1,592	41,963,539	145,925,749	345,210,522
Tenant-occupied housing	224	5,371,767	60,612,181	66,133,689
Owner-occupied dwellings	0	0	195,596,917	236,053,087
Automotive equipment rental and leasing	43	4,334,239	12,636,393	15,746,878
General and consumer goods rental except video tapes and discs	40	3,703,236	6,335,037	8,510,477
Video tape and disc rental	14	988,999	1,730,624	2,625,169
Commercial and industrial machinery and equipment rental and leasing	42	5,401,507	13,875,819	17,105,621
Lessors of nonfinancial intangible assets	7	1,053,656	19,478,907	20,377,620
Legal services	509	59,598,629	91,526,030	124,935,681
Accounting, tax preparation, bookkeeping, and payroll services	266	25,256,016	31,019,899	47,306,507
Architectural, engineering, and related services	652	68,285,357	74,059,916	127,474,365
Specialized design services	25	1,975,242	3,165,809	5,769,852
Custom computer programming services	118	14,070,338	14,521,829	19,597,071
Computer systems design services	141	16,342,970	16,081,555	20,286,798
Other computer related services, including facilities management	40	5,000,477	7,303,635	12,408,401
Management consulting services	1,117	122,347,807	125,949,665	196,290,612
Environmental and other technical consulting services	107	11,561,669	12,677,313	19,469,600
Scientific research and development services	7,835	857,082,759	1,141,261,022	2,089,961,402
Advertising, public relations, and related services	166	15,274,786	21,930,320	46,476,943
Photographic services	12	518,989	1,219,593	2,878,962
Veterinary services	47	2,773,121	3,081,067	4,778,901
Marketing research and all other miscellaneous professional, scientific, and technical services	225	19,671,756	31,060,789	68,401,336
Management of companies and enterprises	641	89,121,601	98,611,061	158,745,961

## Appendix

Office administrative services	278	21,714,157	10,445,530	24,418,367
Facilities support services	104	7,309,529	10,181,054	21,140,879
Employment services	1,475	78,723,245	112,549,839	183,517,867
Business support services	248	13,064,344	11,737,826	21,038,197
Travel arrangement and reservation services	55	3,505,411	5,905,988	17,597,757
Investigation and security services	208	9,209,865	9,536,646	13,892,994
Services to buildings	313	11,400,546	16,967,805	35,324,426
Landscape and horticultural services	135	6,279,210	8,046,937	15,027,911
Other support services	52	2,990,285	3,979,841	8,013,015
Waste management and remediation services	64	5,913,895	9,655,486	18,844,080
Elementary and secondary schools	170	9,142,199	7,848,907	9,408,052
Junior colleges, colleges, universities, and professional schools	244	12,699,692	16,407,353	22,083,608
Other educational services	139	6,730,781	7,485,101	14,348,577
Offices of physicians	486	57,647,590	57,669,595	81,675,391
Offices of dentists	148	10,838,745	12,372,383	16,903,234
Offices of other health practitioners	159	9,931,147	13,703,326	17,650,876
Outpatient care centers	127	10,691,253	10,450,935	16,067,218
Medical and diagnostic laboratories	55	4,794,369	6,966,844	9,723,137
Home health care services	406	13,771,629	13,580,908	19,596,826
Other ambulatory health care services	55	3,834,491	4,328,670	6,676,092
Hospitals	673	70,005,781	78,560,462	141,369,572
Nursing and community care facilities	174	8,356,847	8,830,070	14,916,940
Residential mental retardation, mental health, substance abuse and other facilities	71	4,126,846	4,211,494	6,098,097
Individual and family services	367	11,103,798	9,260,454	13,860,093
Child day care services	177	5,441,068	6,801,308	9,686,005
Community food, housing, and other relief services, including rehabilitation services	80	3,142,060	2,942,361	6,559,558
Performing arts companies	43	1,445,688	2,065,000	4,121,749
Commercial Sports Except Racing	139	7,211,751	4,521,240	8,022,476
Racing and Track Operation	7	277,092	401,741	762,120
Independent artists, writers, and performers	50	1,844,769	3,440,518	5,853,016

## Appendix

Promoters of performing arts and sports and agents for public figures	47	1,551,858	2,723,401	6,832,672
Museums, historical sites, zoos, and parks	17	801,682	894,659	1,648,928
Amusement parks and arcades	15	369,102	863,065	1,059,746
Gambling industries (except casino hotels)	61	2,413,246	6,711,693	9,414,346
Other amusement and recreation industries	85	2,630,572	3,060,712	4,248,966
Fitness and recreational sports centers	67	1,613,065	2,201,048	3,503,211
Bowling centers	13	329,061	511,997	826,646
Hotels and motels, including casino hotels	245	10,373,981	23,128,517	33,645,984
Other accommodations	56	2,806,096	3,534,649	4,539,116
Full-service restaurants	957	30,580,922	43,672,686	86,389,862
Limited-service restaurants	861	22,756,292	34,133,719	83,527,669
All other food and drinking places	516	18,313,358	26,040,631	41,997,291
Automotive repair and maintenance, except car washes	290	18,501,172	22,975,967	32,235,243
Car washes	144	10,230,418	14,950,482	21,490,855
Electronic and precision equipment repair and maintenance	778	64,443,587	90,073,606	136,907,641
Commercial and industrial machinery and equipment repair and maintenance	100	7,835,103	9,168,386	13,941,466
Personal and household goods repair and maintenance	38	2,049,302	4,523,117	6,121,004
Personal care services	206	5,727,661	4,664,013	5,624,717
Death care services	53	1,651,554	1,459,515	1,981,739
Dry-cleaning and laundry services	108	3,112,455	2,629,682	3,361,046
Other personal services	166	4,999,782	6,739,277	9,723,209
Religious organizations	193	14,325,109	10,487,263	21,999,241
Grantmaking, giving, and social advocacy organizations	47	3,331,165	12,753,620	16,931,431
Business and professional associations	33	3,052,985	5,742,471	8,965,587
Labor and civic organizations	68	2,522,240	9,156,925	13,945,240
Private households	190	3,415,337	3,415,337	3,415,337
Postal service	76	7,627,849	7,659,667	7,662,515
Federal electric utilities	0	0	0	0
Other federal government enterprises	13	887,278	792,718	2,718,538
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	2	358,909	621,729	848,037
Local government passenger transit	26	2,218,304	796,797	1,558,274
Local government electric utilities	10	1,348,771	4,484,193	8,356,482
Other local government enterprises	113	10,560,795	25,849,787	55,328,099
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3,161	645,223,384	800,022,855	1,438,609,284

## Moon to Mars Campaign

**Table 755: Detailed M2M Campaign Impacts by Types of Impact, Texas**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>14,133</i>	<i>1,277,993,970</i>	<i>1,946,479,514</i>	<i>3,580,684,938</i>
Oilseed farming	<1	54,311	167,126	309,133
Grain farming	19	702,566	996,650	4,410,590
Vegetable and melon farming	2	91,767	149,144	304,130
Fruit farming	2	50,822	75,669	118,481
Tree nut farming	<1	12,451	20,669	35,326
Greenhouse, nursery, and floriculture production	5	154,537	249,090	538,898
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	2	76,875	112,915	226,639
Sugarcane and sugar beet farming	<1	15,882	24,295	50,810
All other crop farming	29	183,341	270,839	602,428
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	64	1,088,093	2,342,761	6,508,257
Dairy cattle and milk production	7	295,724	536,716	2,762,783
Poultry and egg production	10	230,804	403,456	4,590,722
Animal production, except cattle and poultry and eggs	18	468,451	1,374,382	1,760,505
Forestry, forest products, and timber tract production	<1	48,415	56,778	76,910
Commercial logging	2	96,646	112,062	202,970
Commercial fishing	2	-151,861	109,458	115,155
Commercial hunting and trapping	1	25,089	70,175	103,747
Support activities for agriculture and forestry	36	1,424,777	1,471,640	1,660,614
Oil and gas extraction	13	3,304,470	16,713,780	27,126,202
Coal mining	2	168,481	659,165	990,130
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	18,155	48,540	97,932
Gold ore mining	<1	3,053	10,449	18,497
Silver ore mining	<1	668	1,571	2,907
Uranium-radium-vanadium ore mining	<1	55,110	250,309	410,231
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	77,259	401,389	610,063
Sand and gravel mining	1	135,537	292,365	475,975
Other clay, ceramic, refractory minerals mining	<1	25,623	61,106	99,153
Potash, soda, and borate mineral mining	<1	7,431	12,717	24,076
Phosphate rock mining	<1	2,508	5,806	10,607
Other chemical and fertilizer mineral mining	<1	2,176	3,913	7,507
Other nonmetallic minerals	<1	14,809	32,170	59,690
Drilling oil and gas wells	<1	2,018	7,155	11,426
Support activities for oil and gas operations	<1	25,195	49,407	85,547
Metal mining services	1	243,459	1,269,821	2,247,146
Other nonmetallic minerals services	<1	7,086	39,607	63,875
Electric power generation - Hydroelectric	<1	206,030	470,138	809,991

## Appendix

Electric power generation - Fossil fuel	5	934,123	3,367,975	8,273,789
Electric power generation - Nuclear	2	472,918	1,004,703	2,073,215
Electric power generation - Solar	1	192,359	456,814	892,037
Electric power generation - Wind	2	399,300	3,568,786	6,624,487
Electric power generation - Geothermal	<1	4,028	9,079	17,069
Electric power generation - Biomass	<1	16,432	48,893	119,607
Electric power generation - All other	<1	66,057	-4,720	24,834
Electric power transmission and distribution	21	3,817,326	13,443,537	31,433,738
Natural gas distribution	5	1,181,828	4,079,190	7,528,203
Water, sewage and other systems	3	380,212	778,766	1,375,609
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	15	1,104,151	1,099,427	2,266,298
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	47	3,278,188	4,602,389	11,635,538
Maintenance and repair construction of residential structures	21	1,368,190	1,871,311	4,463,510
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,483	2,127	5,309
Dog and cat food manufacturing	1	115,427	330,531	1,232,046
Other animal food manufacturing	3	322,895	645,927	4,544,601
Flour milling	1	123,048	285,831	1,625,345

## Appendix

Rice milling	<1	26,616	50,993	268,512
Malt manufacturing	<1	5,250	10,149	57,245
Wet corn milling	<1	2,434	6,202	77,013
Soybean and other oilseed processing	<1	68,222	480,398	3,995,221
Fats and oils refining and blending	<1	57,010	166,472	1,117,903
Breakfast cereal manufacturing	<1	19,582	51,690	256,379
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	33,458	113,230	383,248
Nonchocolate confectionery manufacturing	1	93,308	135,460	579,794
Chocolate and confectionery manufacturing from cacao beans	<1	5,371	8,065	39,949
Confectionery manufacturing from purchased chocolate	2	193,509	299,454	1,050,374
Frozen fruits, juices and vegetables manufacturing	<1	23,579	55,721	248,215
Frozen specialties manufacturing	5	366,670	517,581	1,981,430
Canned fruits and vegetables manufacturing	2	125,866	256,926	883,532
Canned specialties	2	144,891	361,632	1,279,326
Dehydrated food products manufacturing	<1	19,506	37,566	129,811
Cheese manufacturing	2	129,804	190,342	1,695,675
Dry, condensed, and evaporated dairy product manufacturing	2	181,139	472,424	2,324,020
Fluid milk manufacturing	2	202,950	344,232	1,668,259
Creamery butter manufacturing	<1	27,559	103,625	507,320
Ice cream and frozen dessert manufacturing	<1	50,753	75,482	304,838
Frozen cakes and other pastries manufacturing	10	420,602	644,930	1,157,053
Poultry processing	15	1,013,960	1,317,833	5,627,562
Animal, except poultry, slaughtering	11	865,966	1,093,195	8,144,087
Meat processed from carcasses	12	882,221	870,050	6,493,609
Rendering and meat byproduct processing	<1	79,673	84,939	385,265
Seafood product preparation and packaging	2	116,931	173,771	836,196
Bread and bakery product, except frozen, manufacturing	22	1,195,036	1,821,205	4,029,850
Cookie and cracker manufacturing	3	146,004	223,765	928,718
Dry pasta, mixes, and dough manufacturing	<1	63,881	154,414	464,108
Tortilla manufacturing	2	99,880	137,643	468,653



## Appendix

Roasted nuts and peanut butter manufacturing	1	104,204	274,132	807,266
Other snack food manufacturing	4	321,839	911,374	2,916,734
Coffee and tea manufacturing	<1	61,526	122,856	598,722
Flavoring syrup and concentrate manufacturing	1	140,481	1,159,372	2,164,920
Mayonnaise, dressing, and sauce manufacturing	1	131,431	265,081	925,370
Spice and extract manufacturing	1	164,243	284,735	925,814
All other food manufacturing	3	241,937	354,975	1,474,541
Bottled and canned soft drinks & water	6	519,992	1,052,725	4,064,841
Manufactured ice	<1	25,125	20,350	81,923
Breweries	5	353,503	785,483	1,845,302
Wineries	4	238,924	466,876	1,576,508
Distilleries	3	210,112	944,166	2,087,263
Tobacco product manufacturing	<1	25,222	866,863	1,176,384
Fiber, yarn, and thread mills	<1	1,531	1,919	13,788
Broadwoven fabric mills	<1	27,173	34,973	151,469
Narrow fabric mills and schiffli machine embroidery	<1	7,018	7,505	20,889
Nonwoven fabric mills	<1	51,947	72,250	376,880
Knit fabric mills	<1	583	665	1,494
Textile and fabric finishing mills	<1	23,414	27,612	134,488
Fabric coating mills	<1	36,409	41,298	196,142
Carpet and rug mills	<1	20,389	27,145	105,800
Curtain and linen mills	<1	43,115	50,298	192,092
Textile bag and canvas mills	1	58,907	70,700	234,781
Rope, cordage, twine, tire cord and tire fabric mills	<1	42,463	57,236	184,707
Other textile product mills	2	81,718	92,327	304,130
Hosiery and sock mills	<1	9,992	15,241	33,662
Other apparel knitting mills	<1	9,015	14,546	33,225
Cut and sew apparel contractors	2	65,578	71,979	166,751
Men's and boys' cut and sew apparel manufacturing	1	39,220	45,113	138,600
Women's and girls' cut and sew apparel manufacturing	1	40,620	48,412	249,713
Other cut and sew apparel manufacturing	<1	21,072	26,271	89,940
Apparel accessories and other apparel manufacturing	2	57,560	64,249	217,860
Leather and hide tanning and finishing	<1	16,911	19,299	86,103
Footwear manufacturing	2	104,770	108,882	359,657
Other leather and allied product manufacturing	1	52,367	53,703	165,172

## Appendix

Sawmills	2	141,567	224,228	901,975
Wood preservation	<1	15,491	36,213	167,761
Veneer and plywood manufacturing	<1	72,081	105,571	375,200
Engineered wood member and truss manufacturing	1	98,194	142,894	435,526
Reconstituted wood product manufacturing	<1	36,666	92,104	430,132
Wood windows and door manufacturing	3	223,094	275,488	831,150
Cut stock, resawing lumber, and planing	<1	16,802	28,603	96,711
Other millwork, including flooring	1	90,400	127,608	400,675
Wood container and pallet manufacturing	2	128,038	160,283	495,481
Manufactured home (mobile home) manufacturing	<1	677	863	2,627
Prefabricated wood building manufacturing	<1	9,974	14,756	43,721
All other miscellaneous wood product manufacturing	<1	37,473	46,562	157,248
Pulp mills	<1	1,330	1,840	9,130
Paper mills	<1	18,201	32,906	137,779
Paperboard mills	3	373,226	685,985	2,550,123
Paperboard container manufacturing	7	668,061	984,057	4,276,496
Paper bag and coated and treated paper manufacturing	5	417,185	603,577	2,303,356
Stationery product manufacturing	<1	50,167	61,220	235,340
Sanitary paper product manufacturing	2	304,980	790,988	2,320,509
All other converted paper product manufacturing	<1	74,464	117,101	353,249
Printing	31	1,868,621	2,617,879	5,763,238
Support activities for printing	1	78,700	108,665	176,519
Petroleum refineries	3	1,340,509	8,162,577	38,996,555
Asphalt paving mixture and block manufacturing	<1	45,256	60,713	221,610
Asphalt shingle and coating materials manufacturing	<1	71,695	195,898	420,588
Petroleum lubricating oil and grease manufacturing	<1	157,816	345,713	836,460
All other petroleum and coal products manufacturing	<1	56,497	137,533	293,536
Petrochemical manufacturing	4	784,307	9,520,383	28,357,704
Industrial gas manufacturing	<1	208,766	600,421	1,337,653

## Appendix

Synthetic dye and pigment manufacturing	<1	165,997	320,538	742,223
Other basic inorganic chemical manufacturing	1	290,185	626,567	1,463,085
Other basic organic chemical manufacturing	6	1,037,343	2,453,416	12,163,349
Plastics material and resin manufacturing	5	916,018	1,618,281	7,780,521
Synthetic rubber manufacturing	<1	58,257	81,370	340,534
Artificial and synthetic fibers and filaments manufacturing	<1	36,689	51,324	181,566
Nitrogenous fertilizer manufacturing	<1	50,527	172,307	509,577
Phosphatic fertilizer manufacturing	<1	6,019	15,668	59,465
Fertilizer mixing	<1	21,641	44,208	142,073
Pesticide and other agricultural chemical manufacturing	<1	126,011	418,601	1,416,392
Medicinal and botanical manufacturing	<1	88,505	136,094	400,469
Pharmaceutical preparation manufacturing	11	2,062,147	5,271,557	11,905,773
In-vitro diagnostic substance manufacturing	<1	22,143	30,451	73,996
Biological product (except diagnostic) manufacturing	1	173,993	452,592	907,253
Paint and coating manufacturing	2	286,988	568,534	2,075,255
Adhesive manufacturing	1	148,740	235,745	872,371
Soap and other detergent manufacturing	1	183,200	474,875	1,636,164
Polish and other sanitation good manufacturing	2	219,995	353,651	929,056
Surface active agent manufacturing	<1	17,935	66,346	174,981
Toilet preparation manufacturing	3	316,937	911,646	2,341,439
Printing ink manufacturing	<1	48,240	51,572	196,015
Explosives manufacturing	<1	28,452	32,702	90,773
Custom compounding of purchased resins	<1	107,625	188,901	634,085
Photographic film and chemical manufacturing	<1	73,205	153,053	407,408
Other miscellaneous chemical product manufacturing	2	395,556	619,924	1,906,863
Plastics packaging materials and unlaminated film and sheet manufacturing	7	518,556	793,167	3,293,704
Unlaminated plastics profile shape manufacturing	1	75,310	156,182	580,502
Plastics pipe and pipe fitting manufacturing	2	200,959	514,888	1,685,293

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	113,644	179,747	524,021
Polystyrene foam product manufacturing	3	241,071	406,259	1,513,449
Urethane and other foam product (except polystyrene) manufacturing	3	240,610	390,226	1,630,902
Plastics bottle manufacturing	2	146,598	216,921	973,439
Other plastics product manufacturing	14	1,033,189	1,495,967	4,836,395
Tire manufacturing	<1	57,336	74,083	299,506
Rubber and plastics hoses and belting manufacturing	<1	55,722	84,442	294,129
Other rubber product manufacturing	4	281,372	346,360	1,230,157
Pottery, ceramics, and plumbing fixture manufacturing	<1	63,189	98,698	194,084
Brick, tile, and other structural clay product manufacturing	<1	58,181	93,082	203,416
Flat glass manufacturing	<1	26,223	49,977	113,129
Other pressed and blown glass and glassware manufacturing	2	235,649	386,346	873,196
Glass container manufacturing	<1	90,183	143,013	332,463
Glass product manufacturing made of purchased glass	2	147,179	253,663	627,552
Cement manufacturing	<1	49,816	106,638	279,697
Ready-mix concrete manufacturing	3	296,846	465,708	1,446,150
Concrete block and brick manufacturing	<1	54,856	92,357	226,457
Concrete pipe manufacturing	<1	33,766	54,358	124,573
Other concrete product manufacturing	2	130,989	187,729	464,590
Lime manufacturing	<1	27,387	53,456	156,645
Gypsum product manufacturing	<1	60,660	161,854	416,602
Abrasive product manufacturing	<1	37,087	75,803	134,775
Cut stone and stone product manufacturing	<1	65,106	82,720	176,739
Ground or treated mineral and earth manufacturing	<1	12,461	26,309	64,913
Mineral wool manufacturing	<1	47,918	114,280	259,961
Miscellaneous nonmetallic mineral products manufacturing	<1	24,774	53,346	126,679
Iron and steel mills and ferroalloy manufacturing	3	290,275	935,106	5,097,921
Iron, steel pipe and tube manufacturing from purchased steel	<1	59,347	161,504	662,844

## Appendix

Rolled steel shape manufacturing	<1	69,400	317,178	1,049,561
Steel wire drawing	<1	39,718	96,758	352,456
Alumina refining and primary aluminum production	<1	14,160	27,379	105,427
Secondary smelting and alloying of aluminum	<1	10,423	25,037	243,873
Aluminum sheet, plate, and foil manufacturing	<1	44,202	116,740	499,473
Other aluminum rolling, drawing and extruding	1	87,489	143,525	653,400
Nonferrous metal (exc aluminum) smelting and refining	<1	14,749	121,492	305,635
Copper rolling, drawing, extruding and alloying	2	179,323	445,106	3,162,160
Nonferrous metal, except copper and aluminum, shaping	<1	12,673	16,633	63,390
Secondary processing of other nonferrous metals	<1	1,193	2,838	13,504
Ferrous metal foundries	1	76,811	158,965	382,492
Nonferrous metal foundries	<1	49,683	74,756	204,988
Custom roll forming	<1	7,855	10,557	61,899
Crown and closure manufacturing and metal stamping	2	126,237	156,025	505,994
Iron and steel forging	1	111,018	143,129	485,539
Nonferrous forging	<1	7,983	9,702	34,989
Cutlery, utensil, pot, and pan manufacturing	<1	16,502	29,659	117,717
Handtool manufacturing	2	144,314	212,488	544,648
Prefabricated metal buildings and components manufacturing	1	104,302	137,258	498,480
Fabricated structural metal manufacturing	4	395,035	544,555	1,944,432
Plate work manufacturing	2	186,339	207,742	615,953
Metal window and door manufacturing	3	263,474	343,281	1,047,373
Sheet metal work manufacturing	3	257,914	327,082	1,013,349
Ornamental and architectural metal work manufacturing	2	170,117	196,838	565,877
Power boiler and heat exchanger manufacturing	<1	28,534	36,895	101,973
Metal tank (heavy gauge) manufacturing	<1	66,396	78,317	233,851
Metal cans manufacturing	<1	79,049	130,381	700,463
Metal barrels, drums and pails manufacturing	<1	28,940	35,898	148,623
Hardware manufacturing	<1	48,095	65,657	252,972
Spring and wire product manufacturing	1	123,241	152,671	492,709

## Appendix

Machine shops	7	536,698	610,917	1,322,443
Turned product and screw, nut, and bolt manufacturing	1	113,127	137,464	414,521
Metal heat treating	1	103,052	128,501	330,344
Metal coating and nonprecious engraving	2	162,672	255,946	775,517
Electroplating, anodizing, and coloring metal	2	134,862	144,717	329,981
Valve and fittings, other than plumbing, manufacturing	2	170,768	234,279	693,869
Plumbing fixture fitting and trim manufacturing	<1	32,607	64,112	298,081
Ball and roller bearing manufacturing	<1	5,076	7,389	21,263
Small arms ammunition manufacturing	<1	53,131	104,469	274,721
Ammunition, except for small arms, manufacturing	<1	41,780	45,722	87,907
Small arms, ordnance, and accessories manufacturing	<1	84,626	152,170	466,289
Fabricated pipe and pipe fitting manufacturing	<1	73,101	86,640	248,056
Other fabricated metal manufacturing	3	255,753	317,708	936,503
Farm machinery and equipment manufacturing	<1	12,533	29,999	113,087
Lawn and garden equipment manufacturing	<1	4,145	8,799	34,650
Construction machinery manufacturing	<1	5,125	15,787	38,350
Mining machinery and equipment manufacturing	<1	2,869	4,792	11,630
Oil and gas field machinery and equipment manufacturing	<1	24,275	33,803	84,615
Semiconductor machinery manufacturing	<1	2,596	3,392	9,860
Food product machinery manufacturing	<1	1,082	1,314	3,947
Sawmill, woodworking, and paper machinery	<1	999	1,189	3,227
Printing machinery and equipment manufacturing	<1	3,596	4,126	10,980
All other industrial machinery manufacturing	<1	12,086	16,945	38,231
Optical instrument and lens manufacturing	<1	4,961	8,172	19,285
Photographic and photocopying equipment manufacturing	<1	1,092	1,466	4,285
Other commercial service industry machinery manufacturing	<1	15,948	31,186	84,295

## Appendix

Air purification and ventilation equipment manufacturing	<1	33,121	48,487	129,921
Heating equipment (except warm air furnaces) manufacturing	<1	23,199	43,317	97,716
Air conditioning, refrigeration, and warm air heating equipment manufacturing	3	244,640	500,858	1,430,235
Industrial mold manufacturing	<1	8,500	11,234	26,016
Special tool, die, jig, and fixture manufacturing	<1	6,033	9,011	16,927
Cutting tool and machine tool accessory manufacturing	<1	6,006	7,509	18,281
Machine tool manufacturing	<1	3,002	4,310	13,200
Rolling mill and other metalworking machinery manufacturing	<1	3,934	5,969	13,212
Turbine and turbine generator set units manufacturing	<1	3,476	3,971	11,120
Speed changer, industrial high-speed drive, and gear manufacturing	<1	40,994	65,563	161,257
Mechanical power transmission equipment manufacturing	<1	69,440	114,993	261,003
Other engine equipment manufacturing	1	128,832	351,107	1,217,551
Pump and pumping equipment manufacturing	<1	9,648	19,498	50,521
Air and gas compressor manufacturing	<1	7,606	11,443	26,835
Elevator and moving stairway manufacturing	<1	2,002	2,856	7,631
Conveyor and conveying equipment manufacturing	<1	4,195	5,003	14,424
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,900	4,275	11,926
Industrial truck, trailer, and stacker manufacturing	<1	12,727	25,322	74,194
Power-driven handtool manufacturing	<1	8,449	28,819	68,764
Welding and soldering equipment manufacturing	<1	5,960	10,310	26,247
Packaging machinery manufacturing	<1	4,099	7,038	18,410
Industrial process furnace and oven manufacturing	<1	1,539	2,029	4,950
Fluid power cylinder and actuator manufacturing	<1	27,118	43,394	98,925
Fluid power pump and motor manufacturing	<1	6,630	12,798	34,896

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7,145	9,577	26,426
Electronic computer manufacturing	<1	215,113	282,072	821,629
Computer storage device manufacturing	<1	11,576	16,064	41,798
Computer terminals and other computer peripheral equipment manufacturing	<1	112,627	149,398	382,129
Telephone apparatus manufacturing	<1	121,034	181,137	437,280
Broadcast and wireless communications equipment manufacturing	<1	52,745	71,231	168,016
Other communications equipment manufacturing	<1	70,649	101,629	287,355
Audio and video equipment manufacturing	<1	13,645	21,214	119,044
Printed circuit assembly (electronic assembly) manufacturing	2	163,636	231,133	1,000,160
Bare printed circuit board manufacturing	<1	105,862	123,887	274,626
Semiconductor and related device manufacturing	7	1,085,830	1,573,732	5,375,405
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	20,689	24,814	81,920
Electronic connector manufacturing	2	191,627	238,309	856,511
Other electronic component manufacturing	1	157,317	182,846	445,056
Electromedical and electrotherapeutic apparatus manufacturing	<1	13,089	19,033	50,292
Search, detection, and navigation instruments manufacturing	<1	8,523	13,722	30,259
Automatic environmental control manufacturing	2	123,313	153,923	437,418
Industrial process variable instruments manufacturing	<1	19,099	24,986	68,567
Totalizing fluid meter and counting device manufacturing	<1	27,762	49,270	128,992
Electricity and signal testing instruments manufacturing	<1	4,872	5,693	16,899
Analytical laboratory instrument manufacturing	<1	99,924	144,399	365,134
Irradiation apparatus manufacturing	<1	319	517	2,050



## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	14,350	19,024	73,969
Blank magnetic and optical recording media manufacturing	<1	35,543	92,670	409,745
Software and other prerecorded and record reproducing	<1	83,204	109,214	272,237
Electric lamp bulb and part manufacturing	<1	31,035	43,926	111,783
Lighting fixture manufacturing	2	159,564	195,710	623,535
Small electrical appliance manufacturing	<1	35,708	62,921	314,414
Household cooking appliance manufacturing	<1	4,159	8,093	30,265
Household refrigerator and home freezer manufacturing	<1	5,074	9,298	32,549
Household laundry equipment manufacturing	<1	15,877	23,311	97,894
Other major household appliance manufacturing	<1	2,301	4,748	15,119
Power, distribution, and specialty transformer manufacturing	<1	3,591	4,494	13,864
Motor and generator manufacturing	<1	49,252	75,970	256,752
Switchgear and switchboard apparatus manufacturing	<1	101,851	153,863	453,851
Relay and industrial control manufacturing	<1	42,679	51,884	141,349
Storage battery manufacturing	<1	84,811	116,419	344,075
Primary battery manufacturing	<1	23,593	17,050	84,918
Fiber optic cable manufacturing	2	258,254	340,761	1,324,060
Other communication and energy wire manufacturing	<1	37,247	56,632	231,271
Wiring device manufacturing	<1	89,003	148,131	399,432
Carbon and graphite product manufacturing	<1	73,011	97,961	316,566
All other miscellaneous electrical equipment and component manufacturing	<1	5,945	6,614	21,148
Automobile manufacturing	4	535,556	2,674,152	7,753,351
Light truck and utility vehicle manufacturing	1	102,224	501,581	1,967,036
Heavy duty truck manufacturing	<1	1,554	4,256	14,142
Motor vehicle body manufacturing	<1	9,370	14,377	52,916
Truck trailer manufacturing	<1	1,744	2,644	9,646
Motor home manufacturing	<1	61,699	135,801	420,460
Travel trailer and camper manufacturing	3	291,776	384,459	1,504,844

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	1	139,440	275,388	1,142,066
Motor vehicle electrical and electronic equipment manufacturing	4	290,962	447,908	1,944,253
Motor vehicle transmission and power train parts manufacturing	4	348,232	614,707	2,646,995
Motor vehicle seating and interior trim manufacturing	2	176,282	228,786	1,056,133
Motor vehicle metal stamping	3	255,957	376,882	1,349,587
Other motor vehicle parts manufacturing	7	538,593	874,254	3,589,718
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	35,463	66,253	250,720
Aircraft manufacturing	<1	17,565	37,468	74,287
Aircraft engine and engine parts manufacturing	<1	15,798	57,887	112,564
Other aircraft parts and auxiliary equipment manufacturing	<1	57,957	99,104	164,897
Guided missile and space vehicle manufacturing	<1	2,376	5,843	9,712
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,267	4,241	6,789
Railroad rolling stock manufacturing	<1	3,636	4,185	14,813
Ship building and repairing	<1	10,849	18,620	36,226
Boat building	1	64,141	124,443	361,455
Motorcycle, bicycle, and parts manufacturing	<1	28,324	162,539	223,872
Military armored vehicle, tank, and tank component manufacturing	<1	22,617	77,795	117,731
All other transportation equipment manufacturing	<1	26,527	81,569	248,082
Wood kitchen cabinet and countertop manufacturing	5	318,657	375,407	979,419
Upholstered household furniture manufacturing	3	172,364	186,140	633,897
Nonupholstered wood household furniture manufacturing	1	74,038	82,032	239,554
Other household nonupholstered furniture manufacturing	<1	15,901	23,190	118,610
Institutional furniture manufacturing	<1	5,048	5,235	17,527
Wood office furniture manufacturing	<1	1,285	1,421	4,716

## Appendix

Custom architectural woodwork and millwork	<1	4,731	4,568	13,822
Office furniture, except wood, manufacturing	<1	5,592	7,578	29,803
Showcase, partition, shelving, and locker manufacturing	<1	24,175	29,338	92,532
Mattress manufacturing	2	98,237	150,571	715,080
Blind and shade manufacturing	<1	20,733	20,870	78,930
Surgical and medical instrument manufacturing	<1	51,617	62,241	144,498
Surgical appliance and supplies manufacturing	1	179,300	242,998	586,609
Dental equipment and supplies manufacturing	<1	9,657	11,933	28,716
Ophthalmic goods manufacturing	2	150,749	193,178	489,176
Dental laboratories	1	102,885	108,265	197,192
Jewelry and silverware manufacturing	3	186,514	277,310	723,205
Sporting and athletic goods manufacturing	1	110,490	130,858	403,061
Doll, toy, and game manufacturing	<1	41,546	52,892	212,535
Office supplies (except paper) manufacturing	<1	65,331	79,180	303,333
Sign manufacturing	1	113,322	104,926	247,637
Gasket, packing, and sealing device manufacturing	1	107,576	113,601	261,650
Musical instrument manufacturing	<1	8,653	9,122	22,127
Fasteners, buttons, needles, and pins manufacturing	<1	5,937	6,252	15,001
Broom, brush, and mop manufacturing	<1	20,831	24,310	74,218
Burial casket manufacturing	<1	5,044	6,409	14,048
All other miscellaneous manufacturing	2	171,471	204,272	565,319
Wholesale - Motor vehicle and motor vehicle parts and supplies	12	1,036,658	2,546,353	5,431,760
Wholesale - Professional and commercial equipment and supplies	34	5,081,075	8,330,688	13,599,631
Wholesale - Household appliances and electrical and electronic goods	13	1,637,389	4,439,736	8,706,457
Wholesale - Machinery, equipment, and supplies	19	2,049,967	4,177,331	7,196,475
Wholesale - Other durable goods merchant wholesalers	38	3,727,317	7,275,192	14,318,017

## Appendix

Wholesale - Drugs and druggists'sundries	15	2,607,708	7,298,847	14,670,518
Wholesale - Grocery and related product wholesalers	38	3,096,178	5,041,850	10,032,118
Wholesale - Petroleum and petroleum products	7	1,135,316	7,820,573	10,034,544
Wholesale - Other nondurable goods merchant wholesalers	49	4,873,285	10,878,988	20,345,486
Wholesale - Wholesale electronic markets and agents and brokers	23	3,468,279	4,057,113	4,686,665
Retail - Motor vehicle and parts dealers	44	3,890,713	5,583,949	7,541,969
Retail - Furniture and home furnishings stores	32	1,843,161	2,572,916	4,107,311
Retail - Electronics and appliance stores	30	2,087,885	1,989,480	3,179,148
Retail - Building material and garden equipment and supplies stores	32	1,748,253	3,682,041	5,072,468
Retail - Food and beverage stores	146	6,070,618	9,069,602	14,287,935
Retail - Health and personal care stores	61	2,875,663	3,883,076	5,934,333
Retail - Gasoline stores	43	1,810,912	4,298,754	7,647,235
Retail - Clothing and clothing accessories stores	72	2,610,691	4,640,867	9,227,185
Retail - Sporting goods, hobby, musical instrument and book stores	42	1,439,856	2,008,912	3,279,713
Retail - General merchandise stores	123	4,866,473	8,263,961	13,289,763
Retail - Miscellaneous store retailers	93	3,178,588	3,476,352	5,593,922
Retail - Nonstore retailers	114	2,346,223	15,750,334	25,933,434
Air transportation	27	3,821,220	6,186,735	13,261,365
Rail transportation	6	862,139	2,071,537	3,946,583
Water transportation	4	526,030	840,816	3,427,998
Truck transportation	101	6,752,567	10,357,192	22,608,859
Transit and ground passenger transportation	101	1,127,316	1,528,911	3,249,238
Pipeline transportation	3	3,752,218	2,985,736	4,378,126
Scenic and sightseeing transportation and support activities for transportation	81	6,800,372	6,266,934	9,512,578
Couriers and messengers	110	2,549,248	6,459,316	7,770,716
Warehousing and storage	102	5,382,779	5,824,387	10,969,612
Newspaper publishers	4	403,323	623,939	885,483
Periodical publishers	4	424,134	604,128	1,029,653
Book publishers	3	416,338	983,586	2,047,928

## Appendix

Directory, mailing list, and other publishers	3	391,091	807,297	1,423,896
Greeting card publishing	<1	11,581	32,511	52,670
Software publishers	48	8,689,805	15,136,482	20,603,044
Motion picture and video industries	17	937,046	1,407,126	4,343,200
Sound recording industries	1	101,537	566,313	1,186,103
Radio and television broadcasting	12	2,143,383	3,789,334	8,559,939
Cable and other subscription programming	3	542,280	3,857,560	8,075,068
Wired telecommunications carriers	25	3,167,877	9,530,382	14,899,070
Wireless telecommunications carriers (except satellite)	6	770,961	8,240,943	16,557,572
Satellite, telecommunications resellers, and all other telecommunications	6	786,277	1,412,092	2,702,208
Data processing, hosting, and related services	54	8,389,275	15,631,217	39,100,296
News syndicates, libraries, archives and all other information services	3	372,838	543,891	1,209,665
Internet publishing and broadcasting and web search portals	15	2,559,726	6,061,932	21,521,072
Nondepository credit intermediation and related activities	58	7,766,685	8,181,016	12,167,235
Securities and commodity contracts intermediation and brokerage	124	10,138,009	7,238,497	15,317,278
Monetary authorities and depository credit intermediation	135	17,001,735	41,198,910	63,543,764
Other financial investment activities	139	9,998,673	10,756,675	26,904,973
Direct life insurance carriers	22	2,328,141	4,627,751	6,932,656
Insurance carriers, except direct life	68	7,142,748	21,349,658	44,836,115
Insurance agencies, brokerages, and related activities	95	8,583,543	13,300,508	31,571,390
Funds, trusts, and other financial vehicles	40	1,725,647	3,729,928	10,507,959
Other real estate	611	17,512,641	59,353,665	135,808,878
Tenant-occupied housing	77	1,965,858	22,750,174	24,678,895
Owner-occupied dwellings	0	0	70,830,517	85,480,704
Automotive equipment rental and leasing	15	1,575,040	4,742,756	5,785,956

## Appendix

General and consumer goods rental except video tapes and discs	14	1,312,705	2,253,139	2,992,439
Video tape and disc rental	5	341,630	601,902	914,480
Commercial and industrial machinery and equipment rental and leasing	14	1,884,603	4,912,359	6,014,327
Lessors of nonfinancial intangible assets	2	352,824	7,043,400	7,344,341
Legal services	192	23,084,806	36,433,703	49,010,668
Accounting, tax preparation, bookkeeping, and payroll services	95	9,398,299	11,725,046	17,559,807
Architectural, engineering, and related services	306	32,064,152	35,443,273	60,535,156
Specialized design services	9	774,257	1,265,317	2,241,336
Custom computer programming services	36	4,471,252	4,598,792	6,168,673
Computer systems design services	49	5,943,004	5,850,170	7,322,107
Other computer related services, including facilities management	16	2,025,583	2,943,256	4,972,179
Management consulting services	354	40,732,994	42,020,973	64,227,153
Environmental and other technical consulting services	42	4,710,496	5,204,278	7,877,213
Scientific research and development services	3,321	385,039,527	511,788,755	913,896,937
Advertising, public relations, and related services	62	5,875,445	8,571,349	17,755,973
Photographic services	4	181,038	446,083	1,013,833
Veterinary services	17	1,011,679	1,134,095	1,735,149
Marketing research and all other miscellaneous professional, scientific, and technical services	100	8,908,144	14,410,565	31,071,907
Management of companies and enterprises	238	34,036,815	37,900,859	60,207,106
Office administrative services	119	9,812,739	5,067,215	10,949,930
Facilities support services	12	799,108	1,146,221	2,436,793
Employment services	533	30,700,232	44,747,255	70,084,035
Business support services	82	4,558,449	4,157,384	7,205,039
Travel arrangement and reservation services	21	1,406,136	2,397,309	6,822,831
Investigation and security services	74	3,447,717	3,575,379	5,117,455
Services to buildings	98	3,688,585	5,602,555	11,300,599
Landscape and horticultural services	49	2,383,973	3,089,552	5,630,384
Other support services	19	1,094,358	1,470,200	2,896,652
Waste management and remediation services	23	2,121,257	3,456,911	6,715,676

## Appendix

Elementary and secondary schools	67	3,793,882	3,243,180	3,854,439
Junior colleges, colleges, universities, and professional schools	76	4,199,667	5,435,206	7,189,571
Other educational services	50	2,488,880	2,780,735	5,247,932
Offices of physicians	173	20,566,067	20,616,230	29,144,473
Offices of dentists	53	3,884,543	4,502,175	6,109,933
Offices of other health practitioners	54	3,430,541	4,880,515	6,236,542
Outpatient care centers	48	3,946,861	3,871,011	5,977,618
Medical and diagnostic laboratories	19	1,748,077	2,624,291	3,604,103
Home health care services	154	5,129,603	5,072,177	7,340,579
Other ambulatory health care services	19	1,374,099	1,572,346	2,407,282
Hospitals	268	27,541,156	31,124,907	56,097,011
Nursing and community care facilities	64	3,216,150	3,401,649	5,661,596
Residential mental retardation, mental health, substance abuse and other facilities	28	1,711,243	1,747,304	2,499,987
Individual and family services	141	4,348,434	3,667,365	5,430,399
Child day care services	65	2,051,510	2,644,437	3,715,150
Community food, housing, and other relief services, including rehabilitation services	32	1,317,166	1,237,699	2,699,639
Performing arts companies	16	584,538	830,596	1,581,851
Commercial Sports Except Racing	51	2,613,014	1,721,531	3,000,576
Racing and Track Operation	2	111,681	157,329	288,217
Independent artists, writers, and performers	19	761,665	1,382,183	2,305,061
Promoters of performing arts and sports and agents for public figures	17	637,885	1,085,914	2,586,934
Museums, historical sites, zoos, and parks	6	313,758	350,287	631,107
Amusement parks and arcades	6	146,347	338,817	413,870
Gambling industries (except casino hotels)	22	904,298	2,555,474	3,547,134
Other amusement and recreation industries	30	960,711	1,123,175	1,538,961
Fitness and recreational sports centers	25	625,421	858,477	1,337,113
Bowling centers	4	117,990	185,227	294,817
Hotels and motels, including casino hotels	93	4,064,313	8,847,975	12,849,447
Other accommodations	24	1,235,742	1,546,759	1,969,510

## Appendix

Full-service restaurants	341	11,082,108	15,776,266	31,004,619
Limited-service restaurants	304	8,292,851	12,385,511	29,846,541
All other food and drinking places	190	7,054,881	9,921,876	15,794,535
Automotive repair and maintenance, except car washes	104	6,837,481	8,274,147	11,596,426
Car washes	51	3,665,154	5,346,954	7,659,777
Electronic and precision equipment repair and maintenance	46	4,187,817	5,795,380	8,509,881
Commercial and industrial machinery and equipment repair and maintenance	33	2,671,641	3,101,985	4,666,183
Personal and household goods repair and maintenance	14	745,261	1,553,019	2,119,079
Personal care services	74	2,086,220	1,547,563	1,897,978
Death care services	20	646,383	527,441	725,201
Dry-cleaning and laundry services	36	1,068,165	825,404	1,070,435
Other personal services	61	1,859,488	2,440,742	3,529,693
Religious organizations	80	6,050,170	3,922,104	8,808,528
Grantmaking, giving, and social advocacy organizations	17	1,263,186	4,234,805	5,728,087
Business and professional associations	12	1,212,690	2,080,495	3,262,749
Labor and civic organizations	27	1,062,847	3,395,124	5,302,304
Private households	66	1,296,053	1,296,053	1,296,053
Postal service	28	2,772,776	2,784,956	2,785,984
Federal electric utilities	0	0	0	0
Other federal government enterprises	5	364,841	359,089	1,146,391
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	88,369	143,801	193,117
Local government passenger transit	9	900,848	198,986	511,910
Local government electric utilities	3	432,097	1,334,279	2,493,053
Other local government enterprises	38	3,779,009	7,855,903	18,055,505
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0



## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1,012	205,495,971	259,546,376	473,689,472

## Investments in Climate Change Research and Technology

**Table 756: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,082</i>	<i>85,756,796</i>	<i>136,426,872</i>	<i>265,166,445</i>
Oilseed farming	<1	2,132	5,305	9,319
Grain farming	1	48,349	47,656	288,637
Vegetable and melon farming	<1	6,630	10,112	21,276
Fruit farming	<1	3,147	4,580	7,466
Tree nut farming	<1	686	1,021	1,764
Greenhouse, nursery, and floriculture production	<1	12,729	19,244	43,115
Tobacco farming	0	0	0	0
Cotton farming	<1	12,350	17,184	36,757
Sugarcane and sugar beet farming	<1	1,623	2,387	5,279
All other crop farming	3	18,939	26,103	59,722
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	8	121,688	206,621	654,274
Dairy cattle and milk production	<1	20,602	33,358	194,884
Poultry and egg production	<1	22,931	35,050	466,875
Animal production, except cattle and poultry and eggs	1	38,861	88,339	115,014
Forestry, forest products, and timber tract production	<1	3,396	3,987	5,684

## Appendix

Commercial logging	<1	16,952	19,764	37,323
Commercial fishing	<1	-2,505	7,997	8,493
Commercial hunting and trapping	<1	993	5,263	8,195
Support activities for agriculture and forestry	3	112,078	113,922	127,561
Oil and gas extraction	1	640,632	2,442,806	3,484,937
Coal mining	<1	37,521	145,049	220,315
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	2,347	6,302	13,588
Gold ore mining	<1	174	590	1,064
Silver ore mining	<1	44	103	195
Uranium-radium-vanadium ore mining	<1	5,743	30,569	48,639
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	10,518	62,413	93,555
Sand and gravel mining	<1	18,614	42,045	69,791
Other clay, ceramic, refractory minerals mining	<1	3,437	8,420	13,717
Potash, soda, and borate mineral mining	<1	687	1,201	2,318
Phosphate rock mining	<1	228	544	1,006
Other chemical and fertilizer mineral mining	<1	189	339	679
Other nonmetallic minerals	<1	1,157	2,585	4,757
Drilling oil and gas wells	<1	388	1,371	2,093
Support activities for oil and gas operations	<1	3,949	7,419	12,174
Metal mining services	<1	50,118	255,260	408,607
Other nonmetallic minerals services	<1	1,600	7,481	11,138
Electric power generation - Hydroelectric	<1	12,200	28,236	48,732
Electric power generation - Fossil fuel	<1	61,122	257,026	634,143
Electric power generation - Nuclear	<1	34,410	76,067	161,659
Electric power generation - Solar	<1	13,178	32,294	63,986
Electric power generation - Wind	<1	56,902	553,291	1,057,893
Electric power generation - Geothermal	<1	126	284	526
Electric power generation - Biomass	<1	918	2,723	6,437
Electric power generation - All other	<1	4,495	-993	2,591
Electric power transmission and distribution	2	294,611	1,153,066	2,714,924

## Appendix

Natural gas distribution	<1	81,419	290,938	553,236
Water, sewage and other systems	<1	31,095	69,628	129,328
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	41	2,971,313	3,029,974	6,249,985
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	235,811	320,803	849,234
Maintenance and repair construction of residential structures	1	93,360	124,240	309,177
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	99	138	358
Dog and cat food manufacturing	<1	9,018	24,940	98,605
Other animal food manufacturing	<1	26,568	50,021	367,938
Flour milling	<1	12,783	29,167	161,204
Rice milling	<1	2,138	4,228	21,216
Malt manufacturing	<1	294	547	3,028
Wet corn milling	<1	226	495	7,465
Soybean and other oilseed processing	<1	4,934	34,243	297,170
Fats and oils refining and blending	<1	4,668	13,298	87,687
Breakfast cereal manufacturing	<1	1,015	2,720	14,527
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	2,323	7,122	26,580
Nonchocolate confectionery manufacturing	<1	6,334	9,183	42,319

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	217	323	1,693
Confectionery manufacturing from purchased chocolate	<1	14,762	21,993	78,387
Frozen fruits, juices and vegetables manufacturing	<1	1,685	3,714	18,331
Frozen specialties manufacturing	<1	29,697	42,255	161,763
Canned fruits and vegetables manufacturing	<1	8,260	16,322	57,126
Canned specialties	<1	13,035	31,777	111,537
Dehydrated food products manufacturing	<1	1,070	2,080	7,226
Cheese manufacturing	<1	6,853	10,150	89,110
Dry, condensed, and evaporated dairy product manufacturing	<1	14,238	36,930	186,045
Fluid milk manufacturing	<1	13,833	22,460	112,167
Creamery butter manufacturing	<1	2,316	8,964	42,971
Ice cream and frozen dessert manufacturing	<1	3,971	5,750	24,524
Frozen cakes and other pastries manufacturing	<1	33,421	51,337	94,045
Poultry processing	2	117,023	144,753	616,654
Animal, except poultry, slaughtering	1	87,104	107,549	783,799
Meat processed from carcasses	<1	62,520	61,118	459,922
Rendering and meat byproduct processing	<1	6,906	7,210	32,082
Seafood product preparation and packaging	<1	10,908	15,632	83,154
Bread and bakery product, except frozen, manufacturing	2	94,964	143,340	319,038
Cookie and cracker manufacturing	<1	8,688	12,500	60,193
Dry pasta, mixes, and dough manufacturing	<1	4,089	9,811	28,572
Tortilla manufacturing	<1	8,861	12,304	41,806
Roasted nuts and peanut butter manufacturing	<1	7,120	18,104	55,650
Other snack food manufacturing	<1	24,658	69,045	230,234
Coffee and tea manufacturing	<1	5,197	9,935	49,703
Flavoring syrup and concentrate manufacturing	<1	10,079	78,321	153,571
Mayonnaise, dressing, and sauce manufacturing	<1	11,189	22,973	78,167
Spice and extract manufacturing	<1	10,876	18,032	59,479
All other food manufacturing	<1	15,432	22,372	93,235
Bottled and canned soft drinks & water	<1	44,356	87,267	338,484
Manufactured ice	<1	1,796	1,405	6,263

## Appendix

Breweries	<1	28,157	59,123	140,088
Wineries	<1	12,896	25,048	87,468
Distilleries	<1	19,797	74,527	172,137
Tobacco product manufacturing	<1	1,927	45,881	70,050
Fiber, yarn, and thread mills	<1	109	132	1,019
Broadwoven fabric mills	<1	2,535	3,076	14,426
Narrow fabric mills and schiffli machine embroidery	<1	609	639	1,830
Nonwoven fabric mills	<1	2,159	2,838	17,075
Knit fabric mills	<1	21	24	53
Textile and fabric finishing mills	<1	1,030	1,201	6,139
Fabric coating mills	<1	2,577	2,943	15,303
Carpet and rug mills	<1	1,857	2,342	10,298
Curtain and linen mills	<1	3,143	3,538	14,783
Textile bag and canvas mills	<1	4,577	5,268	18,637
Rope, cordage, twine, tire cord and tire fabric mills	<1	4,337	5,126	18,823
Other textile product mills	<1	6,493	7,103	25,134
Hosiery and sock mills	<1	703	1,048	2,617
Other apparel knitting mills	<1	722	1,131	2,890
Cut and sew apparel contractors	<1	3,940	4,311	10,483
Men's and boys' cut and sew apparel manufacturing	<1	2,109	2,374	8,092
Women's and girls' cut and sew apparel manufacturing	<1	2,187	2,396	14,802
Other cut and sew apparel manufacturing	<1	1,294	1,571	5,977
Apparel accessories and other apparel manufacturing	<1	3,570	3,808	15,182
Leather and hide tanning and finishing	<1	1,688	1,723	8,512
Footwear manufacturing	<1	8,676	8,819	34,648
Other leather and allied product manufacturing	<1	4,082	4,013	13,457
Sawmills	<1	30,158	48,800	191,715
Wood preservation	<1	3,993	9,523	42,042
Veneer and plywood manufacturing	<1	18,891	27,768	95,899
Engineered wood member and truss manufacturing	<1	21,379	31,722	95,710
Reconstituted wood product manufacturing	<1	11,257	27,919	129,352
Wood windows and door manufacturing	<1	27,256	34,318	105,063
Cut stock, resawing lumber, and planing	<1	2,633	4,805	15,393

## Appendix

Other millwork, including flooring	<1	11,274	16,647	52,072
Wood container and pallet manufacturing	<1	10,761	13,831	42,971
Manufactured home (mobile home) manufacturing	<1	173	221	702
Prefabricated wood building manufacturing	<1	4,096	6,197	18,475
All other miscellaneous wood product manufacturing	<1	3,164	4,241	15,201
Pulp mills	<1	242	355	1,685
Paper mills	<1	1,525	3,545	12,672
Paperboard mills	<1	55,512	112,133	382,250
Paperboard container manufacturing	<1	59,432	89,835	381,688
Paper bag and coated and treated paper manufacturing	<1	32,357	50,645	198,208
Stationery product manufacturing	<1	3,681	4,669	19,276
Sanitary paper product manufacturing	<1	30,122	81,349	225,210
All other converted paper product manufacturing	<1	5,138	8,574	25,031
Printing	3	139,143	187,400	444,251
Support activities for printing	<1	4,937	6,690	11,347
Petroleum refineries	<1	150,616	810,353	4,141,417
Asphalt paving mixture and block manufacturing	<1	7,737	9,801	38,269
Asphalt shingle and coating materials manufacturing	<1	10,629	25,137	59,116
Petroleum lubricating oil and grease manufacturing	<1	59,586	124,297	392,376
All other petroleum and coal products manufacturing	<1	7,104	17,027	42,066
Petrochemical manufacturing	1	252,216	2,450,510	8,705,828
Industrial gas manufacturing	<1	22,227	56,252	132,919
Synthetic dye and pigment manufacturing	<1	14,301	24,027	53,924
Other basic inorganic chemical manufacturing	<1	33,762	62,639	154,486
Other basic organic chemical manufacturing	<1	137,470	285,481	1,441,557
Plastics material and resin manufacturing	<1	144,431	217,807	1,072,406
Synthetic rubber manufacturing	<1	8,506	11,080	44,258
Artificial and synthetic fibers and filaments manufacturing	<1	1,840	2,546	9,209
Nitrogenous fertilizer manufacturing	<1	3,828	12,210	45,133

Appendix

Phosphatic fertilizer manufacturing	<1	867	2,074	8,081
Fertilizer mixing	<1	2,789	5,199	17,866
Pesticide and other agricultural chemical manufacturing	<1	12,541	36,521	127,429
Medicinal and botanical manufacturing	<1	3,893	5,812	18,856
Pharmaceutical preparation manufacturing	<1	127,948	285,474	709,346
In-vitro diagnostic substance manufacturing	<1	823	1,135	2,766
Biological product (except diagnostic) manufacturing	<1	5,924	16,077	34,503
Paint and coating manufacturing	<1	35,657	62,349	234,861
Adhesive manufacturing	<1	12,612	18,768	73,263
Soap and other detergent manufacturing	<1	11,194	26,743	107,191
Polish and other sanitation good manufacturing	<1	14,331	21,440	60,140
Surface active agent manufacturing	<1	1,377	4,919	13,580
Toilet preparation manufacturing	<1	21,428	54,620	149,166
Printing ink manufacturing	<1	3,642	3,890	14,690
Explosives manufacturing	<1	2,291	2,524	6,691
Custom compounding of purchased resins	<1	15,523	23,098	88,612
Photographic film and chemical manufacturing	<1	4,143	8,370	24,154
Other miscellaneous chemical product manufacturing	<1	42,358	61,106	186,593
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	47,826	72,992	318,428
Unlaminated plastics profile shape manufacturing	<1	6,570	13,598	53,121
Plastics pipe and pipe fitting manufacturing	<1	32,350	80,254	263,346
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	11,545	17,943	54,746
Polystyrene foam product manufacturing	<1	23,547	38,535	151,029
Urethane and other foam product (except polystyrene) manufacturing	<1	22,769	36,203	157,698
Plastics bottle manufacturing	<1	10,936	16,124	75,227
Other plastics product manufacturing	1	93,332	130,560	447,137
Tire manufacturing	<1	4,472	5,462	23,522

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	6,517	9,721	34,290
Other rubber product manufacturing	<1	17,787	21,736	76,107
Pottery, ceramics, and plumbing fixture manufacturing	<1	8,283	12,806	25,426
Brick, tile, and other structural clay product manufacturing	<1	10,891	18,246	38,825
Flat glass manufacturing	<1	4,285	8,367	19,399
Other pressed and blown glass and glassware manufacturing	<1	17,614	28,537	65,212
Glass container manufacturing	<1	7,434	11,685	27,090
Glass product manufacturing made of purchased glass	<1	13,294	23,811	57,177
Cement manufacturing	<1	8,877	19,897	51,116
Ready-mix concrete manufacturing	<1	57,307	93,484	283,212
Concrete block and brick manufacturing	<1	10,754	19,061	45,817
Concrete pipe manufacturing	<1	30,439	50,320	109,170
Other concrete product manufacturing	<1	55,975	83,153	196,935
Lime manufacturing	<1	3,520	7,585	20,815
Gypsum product manufacturing	<1	8,072	22,542	57,289
Abrasive product manufacturing	<1	4,705	9,936	17,432
Cut stone and stone product manufacturing	<1	5,990	7,781	16,456
Ground or treated mineral and earth manufacturing	<1	1,637	3,821	9,125
Mineral wool manufacturing	<1	6,975	18,007	41,224
Miscellaneous nonmetallic mineral products manufacturing	<1	11,158	26,205	62,449
Iron and steel mills and ferroalloy manufacturing	<1	46,556	153,146	850,377
Iron, steel pipe and tube manufacturing from purchased steel	<1	8,808	25,019	102,442
Rolled steel shape manufacturing	<1	10,921	52,868	163,035
Steel wire drawing	<1	4,746	12,203	43,232
Alumina refining and primary aluminum production	<1	1,099	2,153	8,137
Secondary smelting and alloying of aluminum	<1	1,103	2,805	27,894
Aluminum sheet, plate, and foil manufacturing	<1	5,482	14,933	62,798
Other aluminum rolling, drawing and extruding	<1	8,004	13,780	62,424
Nonferrous metal (exc aluminum) smelting and refining	<1	2,382	24,696	55,052



## Appendix

Copper rolling, drawing, extruding and alloying	<1	29,484	78,943	572,600
Nonferrous metal, except copper and aluminum, shaping	<1	1,422	1,905	7,284
Secondary processing of other nonferrous metals	<1	150	398	1,816
Ferrous metal foundries	<1	14,752	31,553	74,932
Nonferrous metal foundries	<1	5,624	8,748	24,237
Custom roll forming	<1	739	991	5,715
Crown and closure manufacturing and metal stamping	<1	11,684	14,398	48,056
Iron and steel forging	<1	19,836	25,225	89,165
Nonferrous forging	<1	1,071	1,284	4,729
Cutlery, utensil, pot, and pan manufacturing	<1	949	1,778	7,501
Handtool manufacturing	<1	11,067	15,962	43,194
Prefabricated metal buildings and components manufacturing	<1	65,091	90,140	314,181
Fabricated structural metal manufacturing	<1	70,200	95,389	347,153
Plate work manufacturing	<1	20,702	22,811	70,697
Metal window and door manufacturing	<1	36,326	46,769	150,469
Sheet metal work manufacturing	<1	39,056	49,835	162,626
Ornamental and architectural metal work manufacturing	<1	27,179	31,689	94,435
Power boiler and heat exchanger manufacturing	<1	3,589	4,543	12,852
Metal tank (heavy gauge) manufacturing	<1	16,362	19,020	60,554
Metal cans manufacturing	<1	7,674	12,608	68,584
Metal barrels, drums and pails manufacturing	<1	3,310	4,084	17,323
Hardware manufacturing	<1	4,958	6,774	27,070
Spring and wire product manufacturing	<1	12,020	14,862	48,686
Machine shops	<1	54,742	62,324	137,603
Turned product and screw, nut, and bolt manufacturing	<1	14,459	17,564	54,698
Metal heat treating	<1	14,242	17,532	44,778
Metal coating and nonprecious engraving	<1	23,100	35,580	110,078
Electroplating, anodizing, and coloring metal	<1	14,668	15,694	36,133
Valve and fittings, other than plumbing, manufacturing	<1	24,697	33,258	98,072
Plumbing fixture fitting and trim manufacturing	<1	4,260	8,524	38,837

## Appendix

Ball and roller bearing manufacturing	<1	390	569	1,657
Small arms ammunition manufacturing	<1	3,806	7,332	20,553
Ammunition, except for small arms, manufacturing	<1	5,058	5,528	10,958
Small arms, ordnance, and accessories manufacturing	<1	6,121	11,103	36,760
Fabricated pipe and pipe fitting manufacturing	<1	14,389	17,115	49,516
Other fabricated metal manufacturing	<1	26,915	33,399	101,251
Farm machinery and equipment manufacturing	<1	1,020	2,357	9,377
Lawn and garden equipment manufacturing	<1	316	655	2,726
Construction machinery manufacturing	<1	436	1,268	3,520
Mining machinery and equipment manufacturing	<1	413	715	1,734
Oil and gas field machinery and equipment manufacturing	<1	5,069	7,247	16,551
Semiconductor machinery manufacturing	<1	206	272	785
Food product machinery manufacturing	<1	99	120	360
Sawmill, woodworking, and paper machinery	<1	53	64	182
Printing machinery and equipment manufacturing	<1	360	415	1,064
All other industrial machinery manufacturing	<1	1,185	1,692	3,679
Optical instrument and lens manufacturing	<1	354	606	1,422
Photographic and photocopying equipment manufacturing	<1	123	165	494
Other commercial service industry machinery manufacturing	<1	3,622	7,202	18,814
Air purification and ventilation equipment manufacturing	<1	4,518	6,615	18,243
Heating equipment (except warm air furnaces) manufacturing	<1	2,376	4,402	10,493
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	31,396	67,532	196,808
Industrial mold manufacturing	<1	568	758	1,857
Special tool, die, jig, and fixture manufacturing	<1	440	670	1,301

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	447	562	1,406
Machine tool manufacturing	<1	271	389	1,214
Rolling mill and other metalworking machinery manufacturing	<1	355	545	1,254
Turbine and turbine generator set units manufacturing	<1	384	440	1,273
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,434	5,806	14,788
Mechanical power transmission equipment manufacturing	<1	8,375	14,241	32,986
Other engine equipment manufacturing	<1	51,876	125,920	498,984
Pump and pumping equipment manufacturing	<1	1,920	4,005	10,217
Air and gas compressor manufacturing	<1	1,016	1,565	3,634
Elevator and moving stairway manufacturing	<1	295	425	1,118
Conveyor and conveying equipment manufacturing	<1	374	448	1,340
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,040	2,296	6,537
Industrial truck, trailer, and stacker manufacturing	<1	1,229	2,540	7,411
Power-driven handtool manufacturing	<1	328	1,220	2,896
Welding and soldering equipment manufacturing	<1	473	871	2,509
Packaging machinery manufacturing	<1	243	422	1,114
Industrial process furnace and oven manufacturing	<1	112	151	387
Fluid power cylinder and actuator manufacturing	<1	2,873	4,738	10,559
Fluid power pump and motor manufacturing	<1	997	1,967	5,439
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	797	1,093	3,083
Electronic computer manufacturing	2	535,674	706,164	2,012,889
Computer storage device manufacturing	<1	8,264	11,633	28,805
Computer terminals and other computer peripheral equipment manufacturing	<1	85,534	116,046	249,079
Telephone apparatus manufacturing	<1	22,522	31,550	77,197

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	5,066	6,218	14,977
Other communications equipment manufacturing	<1	8,760	12,145	33,911
Audio and video equipment manufacturing	<1	614	928	5,986
Printed circuit assembly (electronic assembly) manufacturing	<1	42,048	56,688	257,450
Bare printed circuit board manufacturing	<1	21,583	24,219	48,991
Semiconductor and related device manufacturing	3	434,475	604,932	2,271,707
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,127	2,474	8,840
Electronic connector manufacturing	<1	18,895	22,971	85,431
Other electronic component manufacturing	2	231,750	278,287	681,608
Electromedical and electrotherapeutic apparatus manufacturing	<1	736	1,015	2,830
Search, detection, and navigation instruments manufacturing	<1	6,821	9,865	25,139
Automatic environmental control manufacturing	<1	6,716	8,292	24,397
Industrial process variable instruments manufacturing	<1	2,534	3,237	9,144
Totalizing fluid meter and counting device manufacturing	<1	3,278	5,404	15,417
Electricity and signal testing instruments manufacturing	2	290,916	355,063	928,175
Analytical laboratory instrument manufacturing	<1	43,653	63,530	162,282
Irradiation apparatus manufacturing	<1	19	28	122
Watch, clock, and other measuring and controlling device manufacturing	<1	868	1,123	4,884
Blank magnetic and optical recording media manufacturing	<1	1,390	3,882	18,134
Software and other prerecorded and record reproducing	<1	3,974	5,191	13,905
Electric lamp bulb and part manufacturing	<1	2,092	2,926	7,665
Lighting fixture manufacturing	<1	19,978	23,832	81,888
Small electrical appliance manufacturing	<1	2,509	4,339	22,569

## Appendix

Household cooking appliance manufacturing	<1	281	491	2,038
Household refrigerator and home freezer manufacturing	<1	343	568	2,197
Household laundry equipment manufacturing	<1	1,066	1,464	6,675
Other major household appliance manufacturing	<1	163	291	1,035
Power, distribution, and specialty transformer manufacturing	<1	264	342	1,073
Motor and generator manufacturing	<1	5,879	9,106	30,961
Switchgear and switchboard apparatus manufacturing	<1	11,577	17,635	53,201
Relay and industrial control manufacturing	<1	5,824	7,023	20,614
Storage battery manufacturing	<1	5,585	7,788	24,674
Primary battery manufacturing	<1	1,565	849	5,489
Fiber optic cable manufacturing	<1	21,666	28,989	117,249
Other communication and energy wire manufacturing	<1	7,138	10,341	44,310
Wiring device manufacturing	<1	19,237	30,328	85,922
Carbon and graphite product manufacturing	<1	6,276	8,658	27,819
All other miscellaneous electrical equipment and component manufacturing	<1	1,856	2,069	6,771
Automobile manufacturing	<1	49,127	312,193	817,674
Light truck and utility vehicle manufacturing	<1	9,721	59,128	212,761
Heavy duty truck manufacturing	<1	141	375	1,471
Motor vehicle body manufacturing	<1	846	1,310	4,628
Truck trailer manufacturing	<1	192	299	1,080
Motor home manufacturing	<1	9,647	21,101	69,097
Travel trailer and camper manufacturing	<1	33,484	45,376	172,678
Motor vehicle gasoline engine and engine parts manufacturing	<1	12,686	25,419	105,686
Motor vehicle electrical and electronic equipment manufacturing	<1	34,703	53,507	252,068
Motor vehicle transmission and power train parts manufacturing	<1	19,067	35,190	165,956
Motor vehicle seating and interior trim manufacturing	<1	24,283	32,189	147,566
Motor vehicle metal stamping	<1	28,368	41,659	156,819
Other motor vehicle parts manufacturing	<1	55,777	94,715	382,321

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,718	4,856	19,296
Aircraft manufacturing	<1	4,525	10,242	20,791
Aircraft engine and engine parts manufacturing	<1	4,188	14,722	29,160
Other aircraft parts and auxiliary equipment manufacturing	<1	10,155	17,956	28,939
Guided missile and space vehicle manufacturing	<1	227	523	887
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	526	963	1,585
Railroad rolling stock manufacturing	<1	320	374	1,354
Ship building and repairing	<1	765	1,335	2,582
Boat building	<1	8,026	15,903	46,592
Motorcycle, bicycle, and parts manufacturing	<1	2,831	20,418	25,200
Military armored vehicle, tank, and tank component manufacturing	<1	1,578	5,718	8,871
All other transportation equipment manufacturing	<1	3,252	10,774	32,631
Wood kitchen cabinet and countertop manufacturing	<1	43,379	52,511	138,205
Upholstered household furniture manufacturing	<1	11,437	12,331	41,601
Nonupholstered wood household furniture manufacturing	<1	5,328	5,909	17,763
Other household nonupholstered furniture manufacturing	<1	1,159	1,713	9,543
Institutional furniture manufacturing	<1	13,034	13,722	48,903
Wood office furniture manufacturing	<1	371	438	1,466
Custom architectural woodwork and millwork	<1	656	626	1,966
Office furniture, except wood, manufacturing	<1	789	1,171	4,352
Showcase, partition, shelving, and locker manufacturing	<1	2,622	3,317	10,568
Mattress manufacturing	<1	7,932	12,071	58,928
Blind and shade manufacturing	<1	1,759	1,760	6,717
Surgical and medical instrument manufacturing	<1	3,335	3,858	9,594
Surgical appliance and supplies manufacturing	<1	11,952	15,436	39,551

## Appendix

Dental equipment and supplies manufacturing	<1	1,101	1,328	3,441
Ophthalmic goods manufacturing	<1	13,730	16,887	43,835
Dental laboratories	<1	6,896	7,172	13,169
Jewelry and silverware manufacturing	<1	15,188	21,721	57,663
Sporting and athletic goods manufacturing	<1	8,452	9,677	31,557
Doll, toy, and game manufacturing	<1	2,469	2,908	12,982
Office supplies (except paper) manufacturing	<1	5,135	5,957	26,400
Sign manufacturing	<1	9,699	8,824	21,421
Gasket, packing, and sealing device manufacturing	<1	9,637	10,000	23,731
Musical instrument manufacturing	<1	360	367	925
Fasteners, buttons, needles, and pins manufacturing	<1	332	342	814
Broom, brush, and mop manufacturing	<1	892	943	3,223
Burial casket manufacturing	<1	588	710	1,733
All other miscellaneous manufacturing	<1	14,727	17,120	49,884
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	75,671	188,297	395,777
Wholesale - Professional and commercial equipment and supplies	3	379,010	625,231	1,028,648
Wholesale - Household appliances and electrical and electronic goods	2	226,580	628,293	1,229,260
Wholesale - Machinery, equipment, and supplies	2	210,209	434,091	746,754
Wholesale - Other durable goods merchant wholesalers	4	402,636	795,430	1,559,553
Wholesale - Drugs and druggists'sundries	1	180,305	520,433	1,059,903
Wholesale - Grocery and related product wholesalers	3	236,932	392,829	783,021
Wholesale - Petroleum and petroleum products	<1	128,063	686,614	909,852
Wholesale - Other nondurable goods merchant wholesalers	4	364,969	789,532	1,512,274
Wholesale - Wholesale electronic markets and agents and brokers	2	346,891	409,649	478,257
Retail - Motor vehicle and parts dealers	3	284,027	409,744	557,158
Retail - Furniture and home furnishings stores	2	130,432	182,807	295,456

## Appendix

Retail - Electronics and appliance stores	2	147,565	140,611	231,684
Retail - Building material and garden equipment and supplies stores	4	188,803	405,731	560,041
Retail - Food and beverage stores	10	404,762	611,268	973,131
Retail - Health and personal care stores	4	199,339	270,811	422,340
Retail - Gasoline stores	3	132,430	327,912	596,191
Retail - Clothing and clothing accessories stores	5	180,385	329,389	673,286
Retail - Sporting goods, hobby, musical instrument and book stores	3	98,538	139,165	231,969
Retail - General merchandise stores	9	356,434	610,187	991,896
Retail - Miscellaneous store retailers	7	220,528	243,094	401,520
Retail - Nonstore retailers	8	165,645	1,112,543	1,836,093
Air transportation	2	300,227	471,460	1,042,876
Rail transportation	<1	76,244	199,450	362,530
Water transportation	<1	30,538	44,147	204,610
Truck transportation	10	614,631	956,615	2,146,513
Transit and ground passenger transportation	7	56,375	78,687	185,201
Pipeline transportation	<1	503,007	326,652	491,851
Scenic and sightseeing transportation and support activities for transportation	6	459,376	440,754	662,308
Couriers and messengers	9	191,196	521,623	625,118
Warehousing and storage	10	517,999	556,599	1,069,521
Newspaper publishers	<1	26,083	35,741	54,399
Periodical publishers	<1	20,441	24,679	47,737
Book publishers	<1	22,870	45,866	105,260
Directory, mailing list, and other publishers	<1	31,111	56,899	105,050
Greeting card publishing	<1	780	1,925	3,187
Software publishers	5	874,947	1,308,873	1,898,983
Motion picture and video industries	1	59,067	86,421	296,992
Sound recording industries	<1	7,015	36,916	83,902
Radio and television broadcasting	1	144,946	258,753	668,802
Cable and other subscription programming	<1	32,564	228,111	519,477
Wired telecommunications carriers	2	266,495	766,751	1,229,707



## Appendix

Wireless telecommunications carriers (except satellite)	<1	66,787	606,324	1,309,655
Satellite, telecommunications resellers, and all other telecommunications	<1	64,399	125,659	228,984
Data processing, hosting, and related services	7	1,039,905	1,905,756	5,032,956
News syndicates, libraries, archives and all other information services	<1	20,603	29,638	68,991
Internet publishing and broadcasting and web search portals	1	168,092	393,305	1,485,389
Nondepository credit intermediation and related activities	5	564,291	590,746	910,009
Securities and commodity contracts intermediation and brokerage	11	662,480	492,985	1,189,249
Monetary authorities and depository credit intermediation	11	1,364,983	2,770,799	4,634,171
Other financial investment activities	9	539,555	578,904	1,682,221
Direct life insurance carriers	2	177,400	344,570	544,940
Insurance carriers, except direct life	5	512,872	1,493,791	3,330,878
Insurance agencies, brokerages, and related activities	8	690,439	1,066,278	2,619,799
Funds, trusts, and other financial vehicles	3	106,909	222,281	714,371
Other real estate	40	1,033,447	3,614,301	8,677,129
Tenant-occupied housing	6	124,288	1,460,634	1,604,608
Owner-occupied dwellings	0	0	4,748,579	5,762,115
Automotive equipment rental and leasing	1	116,050	331,537	421,093
General and consumer goods rental except video tapes and discs	1	105,681	182,540	246,101
Video tape and disc rental	<1	24,479	43,585	66,102
Commercial and industrial machinery and equipment rental and leasing	3	359,960	961,180	1,189,033
Lessors of nonfinancial intangible assets	<1	32,630	555,583	582,978
Legal services	13	1,509,078	2,272,311	3,131,287
Accounting, tax preparation, bookkeeping, and payroll services	8	721,636	876,695	1,364,581
Architectural, engineering, and related services	33	3,067,766	3,336,318	6,465,888
Specialized design services	<1	55,651	88,281	166,180

## Appendix

Custom computer programming services	6	607,980	629,972	876,397
Computer systems design services	7	750,412	736,746	947,993
Other computer related services, including facilities management	1	138,323	202,022	346,895
Management consulting services	33	3,490,775	3,586,743	5,686,246
Environmental and other technical consulting services	3	307,654	335,440	525,176
Scientific research and development services	160	17,889,782	24,447,285	43,793,527
Advertising, public relations, and related services	5	404,463	576,756	1,251,324
Photographic services	<1	13,692	30,938	76,701
Veterinary services	1	66,274	73,101	114,975
Marketing research and all other miscellaneous professional, scientific, and technical services	5	429,999	677,793	1,528,361
Management of companies and enterprises	17	2,250,021	2,493,751	4,100,879
Office administrative services	8	586,688	281,601	677,353
Facilities support services	1	64,401	90,224	205,659
Employment services	42	2,082,198	2,963,241	5,020,410
Business support services	8	372,324	333,717	621,436
Travel arrangement and reservation services	2	93,902	159,008	478,017
Investigation and security services	6	258,061	267,058	398,644
Services to buildings	7	262,085	388,794	826,478
Landscape and horticultural services	4	161,260	206,334	394,495
Other support services	2	82,746	110,097	229,077
Waste management and remediation services	2	155,727	257,107	503,719
Elementary and secondary schools	4	213,928	184,996	223,935
Junior colleges, colleges, universities, and professional schools	54	2,754,963	3,566,595	4,806,687
Other educational services	4	182,359	202,337	393,810
Offices of physicians	12	1,423,882	1,422,073	2,040,712
Offices of dentists	4	259,452	294,303	406,378
Offices of other health practitioners	4	246,173	334,840	435,830
Outpatient care centers	3	255,755	249,564	384,558
Medical and diagnostic laboratories	1	120,385	172,674	244,413
Home health care services	10	334,133	328,828	483,565

## Appendix

Other ambulatory health care services	1	93,553	104,988	164,346
Hospitals	15	1,586,665	1,771,261	3,215,351
Nursing and community care facilities	4	190,952	200,985	347,008
Residential mental retardation, mental health, substance abuse and other facilities	2	90,200	91,925	135,765
Individual and family services	8	240,488	199,405	306,359
Child day care services	4	126,548	154,392	224,790
Community food, housing, and other relief services, including rehabilitation services	2	67,989	63,521	145,209
Performing arts companies	1	34,961	49,394	101,908
Commercial Sports Except Racing	4	191,520	112,624	207,851
Racing and Track Operation	<1	6,231	9,467	18,434
Independent artists, writers, and performers	1	47,575	87,582	151,485
Promoters of performing arts and sports and agents for public figures	1	37,750	65,928	170,457
Museums, historical sites, zoos, and parks	<1	17,775	19,638	37,020
Amusement parks and arcades	<1	9,351	21,536	26,819
Gambling industries (except casino hotels)	1	54,759	150,933	214,969
Other amusement and recreation industries	2	62,736	72,929	102,675
Fitness and recreational sports centers	2	38,835	51,553	84,326
Bowling centers	<1	7,860	12,039	19,844
Hotels and motels, including casino hotels	7	301,219	687,440	1,007,709
Other accommodations	1	69,833	88,439	115,076
Full-service restaurants	25	783,314	1,125,693	2,267,123
Limited-service restaurants	23	569,932	859,032	2,152,588
All other food and drinking places	13	450,854	644,907	1,055,017
Automotive repair and maintenance, except car washes	8	476,996	609,090	859,281
Car washes	4	261,761	385,667	557,844
Electronic and precision equipment repair and maintenance	20	1,724,750	2,470,241	3,698,158
Commercial and industrial machinery and equipment repair and maintenance	3	233,956	278,399	432,993
Personal and household goods repair and maintenance	<1	51,361	119,143	161,185

## Appendix

Personal care services	5	135,853	119,434	143,650
Death care services	1	39,857	37,383	50,806
Dry-cleaning and laundry services	3	78,711	70,988	90,690
Other personal services	4	123,046	168,743	246,013
Religious organizations	4	319,925	252,480	505,350
Grantmaking, giving, and social advocacy organizations	8	560,284	1,941,013	2,633,316
Business and professional associations	<1	71,386	141,764	221,874
Labor and civic organizations	1	54,701	213,097	319,519
Private households	5	86,955	86,955	87,294
Postal service	2	210,122	210,894	212,379
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	23,538	21,803	70,682
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	7,380	14,846	20,548
Local government passenger transit	<1	58,345	26,901	48,275
Local government electric utilities	<1	36,896	134,611	246,873
Other local government enterprises	3	295,744	841,276	1,650,197
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	29	5,736,688	7,706,564	14,617,376

## Utah

## NASA

Table 757: Detailed NASA Impacts by Types of Impact, Utah

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,375</i>	<i>158,599,260</i>	<i>251,547,920</i>	<i>486,639,509</i>
Oilseed farming	<1	983	1,020	10,865
Grain farming	<1	16,182	2,652	145,069
Vegetable and melon farming	<1	10,350	28,869	48,311
Fruit farming	<1	5,680	15,642	20,914
Tree nut farming	<1	66	185	257
Greenhouse, nursery, and floriculture production	<1	32,188	74,859	120,486
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	36,098	73,484	133,394
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	33,439	197,203	403,536
Dairy cattle and milk production	<1	15,785	52,530	221,568
Poultry and egg production	<1	17,959	41,304	357,637
Animal production, except cattle and poultry and eggs	4	161,425	808,128	916,475
Forestry, forest products, and timber tract production	<1	3,429	3,862	5,358
Commercial logging	<1	8,478	9,008	16,386
Commercial fishing	<1	14,104	46,953	47,394
Commercial hunting and trapping	<1	2,269	3,515	4,205
Support activities for agriculture and forestry	4	130,044	98,027	121,393
Oil and gas extraction	<1	45,831	326,543	760,744
Coal mining	<1	124,248	297,101	380,076
Copper, nickel, lead, and zinc mining	1	225,137	944,895	1,251,300
Iron ore mining	<1	34,391	59,488	82,959
Gold ore mining	<1	12,496	23,838	31,646
Silver ore mining	<1	4,027	6,109	7,987
Uranium-radium-vanadium ore mining	<1	6,753	34,051	53,981
Other metal ore mining	<1	6,818	13,438	19,596
Stone mining and quarrying	<1	4,872	22,145	32,970
Sand and gravel mining	<1	31,110	56,889	85,039
Other clay, ceramic, refractory minerals mining	<1	2,223	4,739	7,624

## Appendix

Potash, soda, and borate mineral mining	<1	2,060	3,039	4,559
Phosphate rock mining	<1	479	915	1,384
Other chemical and fertilizer mineral mining	<1	2,763	4,212	6,498
Other nonmetallic minerals	<1	8,501	15,407	23,342
Drilling oil and gas wells	<1	41	160	307
Support activities for oil and gas operations	<1	942	1,654	3,903
Metal mining services	<1	15,914	29,148	140,945
Other nonmetallic minerals services	<1	171	498	2,028
Electric power generation - Hydroelectric	<1	1,953	4,694	8,569
Electric power generation - Fossil fuel	<1	275,773	966,474	1,696,459
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	54,775	131,755	189,849
Electric power generation - Wind	<1	2,015	13,664	20,243
Electric power generation - Geothermal	<1	6,893	13,710	20,247
Electric power generation - Biomass	<1	487	1,405	2,810
Electric power generation - All other	<1	6,285	5,633	7,735
Electric power transmission and distribution	2	721,442	2,555,843	4,344,484
Natural gas distribution	<1	232,307	885,844	1,406,498
Water, sewage and other systems	<1	89,884	182,267	259,504
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	586,786	1,201,825	2,443,523

## Appendix

Maintenance and repair construction of residential structures	3	178,143	323,480	659,389
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	177	357	735
Dog and cat food manufacturing	<1	47,730	137,900	509,019
Other animal food manufacturing	<1	25,260	48,969	408,362
Flour milling	<1	20,045	46,189	246,159
Rice milling	<1	4,134	8,052	41,759
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	1,211	3,619	25,784
Breakfast cereal manufacturing	<1	54,838	148,836	454,742
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	22,969	33,804	129,173
Chocolate and confectionery manufacturing from cacao beans	<1	1,331	2,064	12,103
Confectionery manufacturing from purchased chocolate	<1	4,032	6,343	48,586
Frozen fruits, juices and vegetables manufacturing	<1	9,558	21,824	74,083
Frozen specialties manufacturing	<1	56,861	81,229	299,914
Canned fruits and vegetables manufacturing	<1	2,045	4,224	19,436
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	5,331	10,455	38,556
Cheese manufacturing	<1	62,426	93,548	873,240
Dry, condensed, and evaporated dairy product manufacturing	<1	6,367	16,854	89,767
Fluid milk manufacturing	<1	41,096	70,009	370,945
Creamery butter manufacturing	<1	4,226	16,282	90,073
Ice cream and frozen dessert manufacturing	<1	20,497	30,499	124,670
Frozen cakes and other pastries manufacturing	<1	30,465	49,803	93,706
Poultry processing	<1	53,207	68,319	322,275
Animal, except poultry, slaughtering	2	123,451	154,638	1,192,920
Meat processed from carcasses	1	109,366	106,181	743,593
Rendering and meat byproduct processing	<1	2,126	2,399	13,309
Seafood product preparation and packaging	<1	153	247	3,027



## Appendix

Bread and bakery product, except frozen, manufacturing	3	111,915	176,079	472,576
Cookie and cracker manufacturing	<1	77,399	115,742	360,940
Dry pasta, mixes, and dough manufacturing	<1	8,539	21,391	69,976
Tortilla manufacturing	<1	2,936	4,082	15,772
Roasted nuts and peanut butter manufacturing	<1	5,990	7,945	45,543
Other snack food manufacturing	<1	38,376	112,701	363,957
Coffee and tea manufacturing	<1	6,811	13,649	57,468
Flavoring syrup and concentrate manufacturing	<1	780	6,551	13,399
Mayonnaise, dressing, and sauce manufacturing	<1	5,272	10,861	50,100
Spice and extract manufacturing	<1	15,805	27,217	101,885
All other food manufacturing	<1	37,470	55,438	215,787
Bottled and canned soft drinks & water	<1	58,317	115,052	466,366
Manufactured ice	<1	2,431	1,875	9,803
Breweries	<1	30,427	70,889	222,216
Wineries	<1	3,634	7,306	30,146
Distilleries	<1	4,691	23,245	56,891
Tobacco product manufacturing	<1	778	29,079	50,090
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	361	520	1,844
Narrow fabric mills and schiffli machine embroidery	<1	86	96	251
Nonwoven fabric mills	<1	871	1,492	15,220
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3,679	4,880	22,666
Fabric coating mills	<1	456	576	2,370
Carpet and rug mills	<1	1,148	1,709	6,784
Curtain and linen mills	<1	1,137	1,480	6,377
Textile bag and canvas mills	<1	8,521	11,666	38,254
Rope, cordage, twine, tire cord and tire fabric mills	<1	4,855	7,700	25,607
Other textile product mills	<1	2,779	3,384	11,305
Hosiery and sock mills	<1	535	498	1,844
Other apparel knitting mills	<1	677	651	2,404
Cut and sew apparel contractors	<1	1,376	1,311	4,272
Men's and boys' cut and sew apparel manufacturing	<1	464	392	2,013
Women's and girls' cut and sew apparel manufacturing	<1	594	15	4,330
Other cut and sew apparel manufacturing	<1	445	381	2,115

## Appendix

Apparel accessories and other apparel manufacturing	<1	1,738	683	6,704
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	143	101	343
Other leather and allied product manufacturing	<1	4,296	2,947	7,959
Sawmills	<1	3,349	5,190	35,081
Wood preservation	<1	480	1,048	5,742
Veneer and plywood manufacturing	<1	3,683	5,257	19,305
Engineered wood member and truss manufacturing	<1	16,925	23,791	94,605
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	44,354	53,752	196,244
Cut stock, resawing lumber, and planing	<1	653	1,062	3,385
Other millwork, including flooring	<1	19,061	26,172	106,629
Wood container and pallet manufacturing	<1	19,424	23,531	81,525
Manufactured home (mobile home) manufacturing	<1	6	8	27
Prefabricated wood building manufacturing	<1	1,743	2,437	8,493
All other miscellaneous wood product manufacturing	<1	7,542	9,268	40,904
Pulp mills	0	0	0	0
Paper mills	<1	19,574	63,449	153,650
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	94,227	184,070	617,097
Paper bag and coated and treated paper manufacturing	<1	31,569	64,793	184,737
Stationery product manufacturing	<1	7,892	11,845	44,509
Sanitary paper product manufacturing	<1	87,268	411,222	919,288
All other converted paper product manufacturing	<1	1,771	4,035	10,062
Printing	6	367,218	619,503	1,181,959
Support activities for printing	<1	32,831	55,376	83,236
Petroleum refineries	<1	129,501	1,438,259	6,279,490
Asphalt paving mixture and block manufacturing	<1	6,160	9,923	47,165
Asphalt shingle and coating materials manufacturing	<1	5,106	23,146	59,263
Petroleum lubricating oil and grease manufacturing	<1	5,836	18,658	46,158

## Appendix

All other petroleum and coal products manufacturing	<1	1,121	4,188	11,245
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	22,851	41,092	193,542
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	28,893	42,294	180,178
Other basic organic chemical manufacturing	<1	2,133	3,443	35,572
Plastics material and resin manufacturing	<1	1,907	2,709	40,273
Synthetic rubber manufacturing	<1	568	708	6,234
Artificial and synthetic fibers and filaments manufacturing	<1	568	724	6,278
Nitrogenous fertilizer manufacturing	<1	1,898	3,903	31,707
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	261	354	1,676
Pesticide and other agricultural chemical manufacturing	<1	2,307	4,645	15,926
Medicinal and botanical manufacturing	<1	16,071	17,438	86,237
Pharmaceutical preparation manufacturing	<1	52,977	82,453	389,521
In-vitro diagnostic substance manufacturing	<1	3,021	3,293	11,395
Biological product (except diagnostic) manufacturing	<1	2,586	4,273	15,116
Paint and coating manufacturing	<1	8,482	11,624	81,248
Adhesive manufacturing	<1	5,102	5,910	24,091
Soap and other detergent manufacturing	<1	53,579	85,143	464,783
Polish and other sanitation good manufacturing	<1	11,213	12,861	54,441
Surface active agent manufacturing	<1	2,275	5,008	25,242
Toilet preparation manufacturing	<1	4,961	8,161	45,961
Printing ink manufacturing	<1	1,300	1,350	6,474
Explosives manufacturing	<1	184	191	500
Custom compounding of purchased resins	<1	123	162	878
Photographic film and chemical manufacturing	<1	7,228	10,504	54,437
Other miscellaneous chemical product manufacturing	<1	16,921	20,068	115,349
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	48,311	76,337	315,355
Unlaminated plastics profile shape manufacturing	<1	12,318	26,656	98,933

## Appendix

Plastics pipe and pipe fitting manufacturing	<1	12,918	35,196	131,121
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	12,891	21,095	64,403
Polystyrene foam product manufacturing	<1	15,834	27,571	120,803
Urethane and other foam product (except polystyrene) manufacturing	<1	2,854	4,786	22,203
Plastics bottle manufacturing	<1	10,854	16,665	83,506
Other plastics product manufacturing	3	217,113	318,455	1,087,613
Tire manufacturing	<1	25,200	31,925	114,496
Rubber and plastics hoses and belting manufacturing	<1	2,556	4,009	16,200
Other rubber product manufacturing	<1	53,527	66,823	201,694
Pottery, ceramics, and plumbing fixture manufacturing	<1	945	1,574	3,414
Brick, tile, and other structural clay product manufacturing	<1	6,747	12,203	32,244
Flat glass manufacturing	<1	2,238	4,732	12,773
Other pressed and blown glass and glassware manufacturing	<1	2,680	4,730	13,170
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	23,458	45,078	114,651
Cement manufacturing	<1	9,104	22,493	54,969
Ready-mix concrete manufacturing	<1	41,449	71,634	224,295
Concrete block and brick manufacturing	<1	3,850	7,366	23,705
Concrete pipe manufacturing	<1	2,060	3,623	8,616
Other concrete product manufacturing	<1	18,283	28,477	70,500
Lime manufacturing	<1	3,878	9,032	25,225
Gypsum product manufacturing	<1	7,291	22,760	59,664
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	13,471	18,142	41,069
Ground or treated mineral and earth manufacturing	<1	4,973	12,377	25,849
Mineral wool manufacturing	<1	3,610	10,554	26,687
Miscellaneous nonmetallic mineral products manufacturing	<1	5,122	12,827	28,885
Iron and steel mills and ferroalloy manufacturing	<1	54,804	167,958	688,250
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,568	9,677	47,324
Rolled steel shape manufacturing	<1	2,668	11,539	42,664
Steel wire drawing	<1	9,929	23,989	86,733

## Appendix

Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	3,470	5,752	26,150
Nonferrous metal (exc aluminum) smelting and refining	<1	5,749	48,951	125,470
Copper rolling, drawing, extruding and alloying	<1	4,239	10,336	74,676
Nonferrous metal, except copper and aluminum, shaping	<1	9,636	12,611	45,069
Secondary processing of other nonferrous metals	<1	18	45	183
Ferrous metal foundries	<1	12,287	24,085	52,989
Nonferrous metal foundries	<1	7,284	10,873	29,277
Custom roll forming	<1	55	75	311
Crown and closure manufacturing and metal stamping	<1	3,727	4,711	16,377
Iron and steel forging	<1	1,175	1,558	6,789
Nonferrous forging	<1	38	47	142
Cutlery, utensil, pot, and pan manufacturing	<1	176	351	1,644
Handtool manufacturing	<1	4,873	7,455	21,769
Prefabricated metal buildings and components manufacturing	<1	10,115	14,323	50,375
Fabricated structural metal manufacturing	<1	51,410	73,464	263,864
Plate work manufacturing	<1	22,718	25,520	85,008
Metal window and door manufacturing	<1	14,523	19,382	55,900
Sheet metal work manufacturing	<1	31,459	41,233	129,060
Ornamental and architectural metal work manufacturing	<1	25,868	30,699	90,807
Power boiler and heat exchanger manufacturing	<1	144	192	658
Metal tank (heavy gauge) manufacturing	<1	3,072	3,691	11,880
Metal cans manufacturing	<1	6,322	11,430	48,335
Metal barrels, drums and pails manufacturing	<1	3,887	4,966	26,805
Hardware manufacturing	<1	1,454	2,066	8,640
Spring and wire product manufacturing	<1	5,234	6,669	24,576
Machine shops	1	96,562	111,919	261,276
Turned product and screw, nut, and bolt manufacturing	<1	11,016	13,689	41,483

## Appendix

Metal heat treating	<1	3,476	4,433	13,654
Metal coating and nonprecious engraving	<1	13,343	22,016	73,213
Electroplating, anodizing, and coloring metal	<1	13,970	15,116	39,422
Valve and fittings, other than plumbing, manufacturing	<1	22,823	32,908	106,424
Plumbing fixture fitting and trim manufacturing	<1	4,259	9,079	35,996
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	43,188	90,595	264,072
Ammunition, except for small arms, manufacturing	<1	1,033	1,147	2,659
Small arms, ordnance, and accessories manufacturing	<1	48,393	93,316	331,236
Fabricated pipe and pipe fitting manufacturing	<1	1,231	1,509	5,569
Other fabricated metal manufacturing	<1	42,826	54,955	190,621
Farm machinery and equipment manufacturing	<1	1,316	2,555	12,141
Lawn and garden equipment manufacturing	<1	132	236	764
Construction machinery manufacturing	<1	465	1,128	3,851
Mining machinery and equipment manufacturing	<1	599	873	2,724
Oil and gas field machinery and equipment manufacturing	<1	935	1,201	4,166
Semiconductor machinery manufacturing	<1	56	70	361
Food product machinery manufacturing	<1	18	20	80
Sawmill, woodworking, and paper machinery	<1	5	6	49
Printing machinery and equipment manufacturing	<1	99	110	413
All other industrial machinery manufacturing	<1	439	566	1,795
Optical instrument and lens manufacturing	<1	270	395	1,082
Photographic and photocopying equipment manufacturing	<1	163	202	683
Other commercial service industry machinery manufacturing	<1	1,948	3,217	10,576
Air purification and ventilation equipment manufacturing	<1	1,153	1,531	5,979
Heating equipment (except warm air furnaces) manufacturing	<1	10,652	17,025	46,946

Appendix

Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,455	7,729	22,436
Industrial mold manufacturing	<1	2,059	2,509	6,088
Special tool, die, jig, and fixture manufacturing	<1	441	591	1,268
Cutting tool and machine tool accessory manufacturing	<1	1,891	2,208	5,221
Machine tool manufacturing	<1	122	159	640
Rolling mill and other metalworking machinery manufacturing	<1	155	210	477
Turbine and turbine generator set units manufacturing	<1	14	15	42
Speed changer, industrial high-speed drive, and gear manufacturing	<1	133	190	476
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	2,595	5,840	30,825
Pump and pumping equipment manufacturing	<1	272	468	1,407
Air and gas compressor manufacturing	<1	1,497	2,143	5,876
Elevator and moving stairway manufacturing	<1	127	165	586
Conveyor and conveying equipment manufacturing	<1	167	190	539
Overhead cranes, hoists, and monorail systems manufacturing	<1	56	102	390
Industrial truck, trailer, and stacker manufacturing	<1	1,224	2,056	6,903
Power-driven handtool manufacturing	<1	152	433	946
Welding and soldering equipment manufacturing	<1	130	199	714
Packaging machinery manufacturing	<1	622	940	3,091
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	10,731	15,287	35,699
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	327	405	1,199
Electronic computer manufacturing	<1	643	863	3,460
Computer storage device manufacturing	<1	83	121	483
Computer terminals and other computer peripheral equipment manufacturing	<1	2,970	4,081	14,445

## Appendix

Telephone apparatus manufacturing	<1	105	165	493
Broadcast and wireless communications equipment manufacturing	<1	131	168	593
Other communications equipment manufacturing	<1	123	190	838
Audio and video equipment manufacturing	<1	661	1,057	6,215
Printed circuit assembly (electronic assembly) manufacturing	<1	1,177	1,769	8,793
Bare printed circuit board manufacturing	<1	1,597	1,938	7,172
Semiconductor and related device manufacturing	<1	4,469	6,800	28,846
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	516	628	1,925
Electronic connector manufacturing	<1	4,416	5,633	15,907
Other electronic component manufacturing	<1	2,245	2,690	8,325
Electromedical and electrotherapeutic apparatus manufacturing	<1	485	716	2,228
Search, detection, and navigation instruments manufacturing	<1	77,436	133,496	379,740
Automatic environmental control manufacturing	<1	3,596	4,588	11,160
Industrial process variable instruments manufacturing	<1	25,234	37,101	102,680
Totalizing fluid meter and counting device manufacturing	<1	280	519	1,338
Electricity and signal testing instruments manufacturing	<1	9,775	11,516	31,631
Analytical laboratory instrument manufacturing	2	161,541	247,172	681,152
Irradiation apparatus manufacturing	<1	426	709	2,711
Watch, clock, and other measuring and controlling device manufacturing	<1	611	823	3,140
Blank magnetic and optical recording media manufacturing	<1	4,173	12,928	83,176
Software and other prerecorded and record reproducing	<1	6,679	9,234	33,201
Electric lamp bulb and part manufacturing	<1	135	328	938
Lighting fixture manufacturing	<1	584	974	2,781
Small electrical appliance manufacturing	<1	915	3,522	9,615
Household cooking appliance manufacturing	<1	242	1,164	2,907
Household refrigerator and home freezer manufacturing	<1	317	1,363	3,277



## Appendix

Household laundry equipment manufacturing	<1	926	2,510	8,359
Other major household appliance manufacturing	<1	184	943	2,008
Power, distribution, and specialty transformer manufacturing	<1	12	23	38
Motor and generator manufacturing	<1	1,302	3,820	7,668
Switchgear and switchboard apparatus manufacturing	<1	358	1,036	1,997
Relay and industrial control manufacturing	<1	729	1,303	3,349
Storage battery manufacturing	<1	6,469	15,925	38,937
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	426	1,249	3,660
Wiring device manufacturing	<1	408	1,424	3,126
Carbon and graphite product manufacturing	<1	51,458	107,598	272,526
All other miscellaneous electrical equipment and component manufacturing	<1	305	395	1,181
Automobile manufacturing	<1	654	2,930	7,116
Light truck and utility vehicle manufacturing	<1	165	718	2,316
Heavy duty truck manufacturing	<1	234	554	2,488
Motor vehicle body manufacturing	<1	120	172	636
Truck trailer manufacturing	<1	437	617	2,453
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	46,188	58,732	285,896
Motor vehicle gasoline engine and engine parts manufacturing	<1	439	798	5,441
Motor vehicle electrical and electronic equipment manufacturing	<1	9,695	14,263	52,381
Motor vehicle transmission and power train parts manufacturing	<1	2,249	3,662	17,721
Motor vehicle seating and interior trim manufacturing	<1	300	377	2,300
Motor vehicle metal stamping	<1	35,339	47,386	152,089
Other motor vehicle parts manufacturing	2	174,230	263,136	1,059,409
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	6,958	11,469	39,943
Aircraft manufacturing	<1	94	144	422
Aircraft engine and engine parts manufacturing	<1	1,942	3,871	10,061

## Appendix

Other aircraft parts and auxiliary equipment manufacturing	1	135,928	173,258	369,048
Guided missile and space vehicle manufacturing	<1	1,677	2,456	5,638
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	4,110	5,287	10,781
Railroad rolling stock manufacturing	<1	45	48	232
Ship building and repairing	<1	30	40	100
Boat building	<1	3,435	4,723	18,702
Motorcycle, bicycle, and parts manufacturing	<1	5,943	15,111	48,173
Military armored vehicle, tank, and tank component manufacturing	<1	527	910	2,662
All other transportation equipment manufacturing	<1	1,748	3,069	12,445
Wood kitchen cabinet and countertop manufacturing	<1	47,304	80,923	173,994
Upholstered household furniture manufacturing	<1	8,381	10,421	38,560
Nonupholstered wood household furniture manufacturing	<1	8,703	12,027	33,854
Other household nonupholstered furniture manufacturing	<1	2,337	5,745	17,526
Institutional furniture manufacturing	<1	318	365	1,139
Wood office furniture manufacturing	<1	6	11	33
Custom architectural woodwork and millwork	<1	1,166	1,154	3,384
Office furniture, except wood, manufacturing	<1	135	379	1,053
Showcase, partition, shelving, and locker manufacturing	<1	1,181	2,266	5,718
Mattress manufacturing	<1	15,094	42,186	126,979
Blind and shade manufacturing	<1	4,079	4,110	16,670
Surgical and medical instrument manufacturing	<1	37,964	61,759	129,517
Surgical appliance and supplies manufacturing	<1	10,945	22,394	49,879
Dental equipment and supplies manufacturing	<1	2,819	4,941	11,488
Ophthalmic goods manufacturing	<1	1,115	2,275	4,397
Dental laboratories	<1	11,371	13,136	24,829
Jewelry and silverware manufacturing	<1	17,554	29,726	80,330
Sporting and athletic goods manufacturing	2	152,898	231,193	727,185
Doll, toy, and game manufacturing	<1	1,359	2,776	11,109
Office supplies (except paper) manufacturing	<1	13,298	21,347	61,128

## Appendix

Sign manufacturing	<1	17,540	16,703	40,726
Gasket, packing, and sealing device manufacturing	<1	8,051	9,265	22,478
Musical instrument manufacturing	<1	553	632	2,288
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	5,639	8,426	20,661
Burial casket manufacturing	<1	2,385	3,673	7,873
All other miscellaneous manufacturing	<1	21,934	32,095	87,754
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	156,677	296,087	710,949
Wholesale - Professional and commercial equipment and supplies	4	537,875	786,866	1,460,953
Wholesale - Household appliances and electrical and electronic goods	2	258,412	534,931	1,274,594
Wholesale - Machinery, equipment, and supplies	3	315,352	527,986	1,021,986
Wholesale - Other durable goods merchant wholesalers	6	595,327	978,654	2,156,979
Wholesale - Drugs and druggistsâ€™ sundries	3	384,112	781,130	2,051,873
Wholesale - Grocery and related product wholesalers	5	441,170	610,179	1,319,242
Wholesale - Petroleum and petroleum products	<1	43,814	558,368	688,546
Wholesale - Other nondurable goods merchant wholesalers	6	496,871	1,028,689	2,236,024
Wholesale - Wholesale electronic markets and agents and brokers	4	526,048	578,599	683,123
Retail - Motor vehicle and parts dealers	7	546,353	826,376	1,144,296
Retail - Furniture and home furnishings stores	5	268,660	397,839	638,106
Retail - Electronics and appliance stores	4	274,699	294,347	461,320
Retail - Building material and garden equipment and supplies stores	5	270,644	594,315	816,178
Retail - Food and beverage stores	19	626,655	1,007,520	1,673,356
Retail - Health and personal care stores	9	570,168	721,819	1,011,878
Retail - Gasoline stores	6	250,155	631,669	1,134,239
Retail - Clothing and clothing accessories stores	9	417,784	713,180	1,316,541
Retail - Sporting goods, hobby, musical instrument and book stores	7	239,459	340,868	548,710
Retail - General merchandise stores	19	697,467	1,242,798	2,017,682
Retail - Miscellaneous store retailers	13	648,927	650,866	949,937
Retail - Nonstore retailers	17	365,412	2,550,680	4,032,745

## Appendix

Air transportation	5	567,307	1,434,192	2,639,484
Rail transportation	<1	81,880	274,861	491,424
Water transportation	<1	2,515	5,952	28,278
Truck transportation	14	1,027,259	1,524,205	3,171,465
Transit and ground passenger transportation	9	114,742	286,244	434,547
Pipeline transportation	<1	56,245	127,942	230,326
Scenic and sightseeing transportation and support activities for transportation	10	1,189,884	1,012,361	1,400,333
Couriers and messengers	19	605,055	913,878	1,147,020
Warehousing and storage	10	564,481	597,900	1,078,586
Newspaper publishers	<1	34,908	49,635	78,285
Periodical publishers	<1	21,370	26,845	50,339
Book publishers	<1	50,248	104,710	274,824
Directory, mailing list, and other publishers	<1	51,418	98,240	177,838
Greeting card publishing	<1	3,630	9,292	18,446
Software publishers	13	2,216,283	3,467,273	4,908,470
Motion picture and video industries	5	240,704	380,762	1,278,027
Sound recording industries	<1	9,295	65,018	147,978
Radio and television broadcasting	2	361,399	649,942	1,520,986
Cable and other subscription programming	<1	52,795	462,050	954,896
Wired telecommunications carriers	2	225,377	688,917	1,196,839
Wireless telecommunications carriers (except satellite)	<1	54,643	708,164	1,675,720
Satellite, telecommunications resellers, and all other telecommunications	1	128,854	191,027	471,992
Data processing, hosting, and related services	9	1,180,617	2,552,609	6,441,738
News syndicates, libraries, archives and all other information services	<1	34,940	54,822	130,497
Internet publishing and broadcasting and web search portals	3	400,090	1,085,728	4,602,534
Nondepository credit intermediation and related activities	11	1,183,821	1,276,641	2,035,523
Securities and commodity contracts intermediation and brokerage	23	758,656	593,788	2,179,247
Monetary authorities and depository credit intermediation	16	1,485,547	12,200,687	14,041,034
Other financial investment activities	19	591,387	687,465	2,988,245
Direct life insurance carriers	1	123,842	301,045	412,629
Insurance carriers, except direct life	8	685,302	2,835,152	5,535,934
Insurance agencies, brokerages, and related activities	12	948,350	1,783,351	4,025,440

## Appendix

Funds, trusts, and other financial vehicles	6	97,132	212,195	1,232,092
Other real estate	162	3,237,897	9,888,245	30,046,598
Tenant-occupied housing	8	153,256	2,430,978	2,630,711
Owner-occupied dwellings	0	0	10,662,864	12,868,311
Automotive equipment rental and leasing	2	264,201	450,551	587,206
General and consumer goods rental except video tapes and discs	3	277,053	368,840	506,637
Video tape and disc rental	<1	42,952	70,554	119,049
Commercial and industrial machinery and equipment rental and leasing	2	409,277	656,567	839,314
Lessors of nonfinancial intangible assets	<1	54,064	882,447	985,022
Legal services	34	3,230,402	4,146,117	6,362,753
Accounting, tax preparation, bookkeeping, and payroll services	16	1,159,292	1,558,114	2,559,794
Architectural, engineering, and related services	17	1,343,446	1,505,232	2,853,407
Specialized design services	2	132,789	244,872	464,927
Custom computer programming services	8	853,999	857,163	1,208,648
Computer systems design services	5	479,946	476,207	612,950
Other computer related services, including facilities management	4	446,165	638,172	1,190,544
Management consulting services	66	5,396,049	5,587,545	9,775,864
Environmental and other technical consulting services	5	403,647	457,695	748,904
Scientific research and development services	684	61,485,980	78,312,445	161,406,216
Advertising, public relations, and related services	10	782,518	1,310,109	2,847,024
Photographic services	<1	28,616	79,653	189,260
Veterinary services	2	114,843	132,413	212,961
Marketing research and all other miscellaneous professional, scientific, and technical services	20	1,567,503	2,904,168	6,194,254
Management of companies and enterprises	58	4,796,589	5,143,051	10,613,343
Office administrative services	16	1,330,977	425,139	1,231,986
Facilities support services	1	50,681	67,776	184,330
Employment services	61	3,202,860	4,312,288	7,274,722
Business support services	14	858,680	723,153	1,239,994
Travel arrangement and reservation services	4	198,241	309,598	1,174,792
Investigation and security services	8	400,688	405,204	564,028
Services to buildings	17	649,267	895,196	1,885,525

## Appendix

Landscape and horticultural services	12	544,018	657,303	1,254,253
Other support services	4	244,217	307,128	626,468
Waste management and remediation services	3	237,321	402,356	849,916
Elementary and secondary schools	8	381,657	321,008	399,102
Junior colleges, colleges, universities, and professional schools	265	10,382,443	13,208,951	19,476,948
Other educational services	8	436,596	479,946	898,688
Offices of physicians	24	2,299,631	2,301,045	3,484,666
Offices of dentists	12	621,735	707,352	1,064,466
Offices of other health practitioners	9	430,998	590,722	816,369
Outpatient care centers	5	291,099	284,150	488,888
Medical and diagnostic laboratories	2	196,293	282,096	403,884
Home health care services	9	496,837	490,292	627,313
Other ambulatory health care services	2	157,871	177,702	277,995
Hospitals	33	2,984,993	3,542,722	6,621,506
Nursing and community care facilities	7	317,323	359,380	614,957
Residential mental retardation, mental health, substance abuse and other facilities	4	210,031	216,022	318,959
Individual and family services	18	621,539	546,077	769,889
Child day care services	7	209,812	311,421	428,443
Community food, housing, and other relief services, including rehabilitation services	3	131,999	123,227	280,054
Performing arts companies	4	89,198	157,272	329,021
Commercial Sports Except Racing	9	382,450	296,380	514,998
Racing and Track Operation	<1	15,747	23,699	46,435
Independent artists, writers, and performers	3	103,153	289,343	447,892
Promoters of performing arts and sports and agents for public figures	4	101,107	254,795	609,342
Museums, historical sites, zoos, and parks	<1	26,570	31,492	64,448
Amusement parks and arcades	<1	15,980	65,372	74,183
Gambling industries (except casino hotels)	4	135,967	247,951	400,695
Other amusement and recreation industries	6	175,672	220,303	301,332
Fitness and recreational sports centers	4	67,611	109,257	187,074
Bowling centers	<1	14,671	24,317	40,652
Hotels and motels, including casino hotels	3	137,082	266,923	416,879
Other accommodations	1	36,483	46,280	63,484

## Appendix

Full-service restaurants	35	1,056,431	1,568,938	3,123,154
Limited-service restaurants	38	931,606	1,488,911	3,661,263
All other food and drinking places	29	873,570	1,289,741	2,185,319
Automotive repair and maintenance, except car washes	15	973,074	1,279,605	1,773,631
Car washes	8	533,773	809,507	1,188,464
Electronic and precision equipment repair and maintenance	4	318,104	454,601	724,011
Commercial and industrial machinery and equipment repair and maintenance	6	503,233	575,646	858,054
Personal and household goods repair and maintenance	2	86,179	317,060	387,585
Personal care services	10	261,862	272,076	318,766
Death care services	2	66,586	72,194	93,656
Dry-cleaning and laundry services	5	149,846	157,489	191,628
Other personal services	8	233,291	422,089	564,071
Religious organizations	8	419,813	419,006	895,722
Grantmaking, giving, and social advocacy organizations	<1	65,979	585,461	676,645
Business and professional associations	1	127,622	436,489	557,333
Labor and civic organizations	1	60,495	497,241	612,646
Private households	7	83,086	83,086	83,086
Postal service	4	436,599	438,536	438,696
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	23,910	41,491	92,394
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	4	343,289	404,325	1,008,559
Local government passenger transit	5	322,903	36,855	174,043
Local government electric utilities	<1	25,198	71,175	150,724
Other local government enterprises	5	501,521	922,910	2,155,875
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0

## Appendix

* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	15	2,374,225	3,448,982	5,890,962

## Moon to Mars Campaign

**Table 758: Detailed M2M Campaign Impacts by Types of Impact, Utah**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,589</i>	<i>117,294,045</i>	<i>184,640,106</i>	<i>355,433,331</i>
Oilseed farming	<1	916	1,098	12,322
Grain farming	<1	10,127	2,318	92,149
Vegetable and melon farming	<1	7,034	20,873	33,564
Fruit farming	<1	4,331	12,139	15,947
Tree nut farming	<1	54	158	221
Greenhouse, nursery, and floriculture production	<1	21,228	52,431	81,139
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	20,812	44,961	79,244
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	19,920	135,051	239,083
Dairy cattle and milk production	<1	10,158	36,675	141,029
Poultry and egg production	<1	10,611	25,857	209,963
Animal production, except cattle and poultry and eggs	3	99,546	585,092	637,930
Forestry, forest products, and timber tract production	<1	2,374	2,695	3,669
Commercial logging	<1	5,479	6,133	10,728
Commercial fishing	<1	12,137	34,101	34,129
Commercial hunting and trapping	<1	2,445	2,450	2,887
Support activities for agriculture and forestry	3	92,766	70,931	87,826
Oil and gas extraction	<1	21,353	181,801	455,375
Coal mining	<1	52,411	131,002	167,519
Copper, nickel, lead, and zinc mining	<1	118,685	512,483	661,713
Iron ore mining	<1	22,410	39,566	54,298
Gold ore mining	<1	8,272	15,851	20,105



Appendix

Silver ore mining	<1	2,793	4,227	5,317
Uranium-radium-vanadium ore mining	<1	4,004	20,688	32,421
Other metal ore mining	<1	4,677	9,351	13,322
Stone mining and quarrying	<1	3,131	13,998	20,822
Sand and gravel mining	<1	24,697	45,256	65,894
Other clay, ceramic, refractory minerals mining	<1	1,604	3,452	5,511
Potash, soda, and borate mineral mining	<1	1,448	2,156	3,242
Phosphate rock mining	<1	376	724	1,091
Other chemical and fertilizer mineral mining	<1	2,119	3,293	5,106
Other nonmetallic minerals	<1	6,865	12,551	19,033
Drilling oil and gas wells	<1	23	93	183
Support activities for oil and gas operations	<1	440	797	1,924
Metal mining services	<1	8,078	16,870	82,404
Other nonmetallic minerals services	<1	100	349	1,391
Electric power generation - Hydroelectric	<1	1,872	4,369	7,828
Electric power generation - Fossil fuel	<1	237,738	762,586	1,342,030
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	44,215	106,175	153,360
Electric power generation - Wind	<1	1,173	7,915	11,644
Electric power generation - Geothermal	<1	8,868	17,373	25,882
Electric power generation - Biomass	<1	411	1,183	2,425
Electric power generation - All other	<1	5,461	3,174	5,317
Electric power transmission and distribution	1	507,575	1,718,103	2,916,625
Natural gas distribution	<1	150,986	561,178	871,996
Water, sewage and other systems	<1	38,798	78,593	111,173
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0

Appendix

Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	5	401,378	841,744	1,667,131
Maintenance and repair construction of residential structures	2	124,775	230,606	462,073
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	123	252	514
Dog and cat food manufacturing	<1	29,879	87,261	319,049
Other animal food manufacturing	<1	17,951	36,007	293,327
Flour milling	<1	11,138	25,805	140,824
Rice milling	<1	3,227	6,237	32,753
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	813	2,420	17,470
Breakfast cereal manufacturing	<1	31,994	85,922	258,019
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	14,513	21,309	80,610
Chocolate and confectionery manufacturing from cacao beans	<1	1,028	1,602	9,248
Confectionery manufacturing from purchased chocolate	<1	2,656	4,247	31,655
Frozen fruits, juices and vegetables manufacturing	<1	6,482	15,179	49,222
Frozen specialties manufacturing	<1	36,452	51,871	193,106
Canned fruits and vegetables manufacturing	<1	1,541	3,239	14,701
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	3,809	7,490	27,331
Cheese manufacturing	<1	39,853	59,679	581,870
Dry, condensed, and evaporated dairy product manufacturing	<1	3,943	10,438	56,103

## Appendix

Fluid milk manufacturing	<1	24,680	42,903	225,862
Creamery butter manufacturing	<1	2,598	10,030	55,417
Ice cream and frozen dessert manufacturing	<1	10,908	16,466	65,962
Frozen cakes and other pastries manufacturing	<1	17,746	29,063	54,521
Poultry processing	<1	32,478	42,585	201,184
Animal, except poultry, slaughtering	<1	60,580	76,701	595,590
Meat processed from carcasses	<1	82,148	80,233	559,693
Rendering and meat byproduct processing	<1	1,597	1,809	10,027
Seafood product preparation and packaging	<1	71	117	1,368
Bread and bakery product, except frozen, manufacturing	2	64,527	102,087	274,065
Cookie and cracker manufacturing	<1	59,160	91,577	269,698
Dry pasta, mixes, and dough manufacturing	<1	5,424	13,605	46,306
Tortilla manufacturing	<1	1,889	2,611	10,203
Roasted nuts and peanut butter manufacturing	<1	4,358	6,004	33,177
Other snack food manufacturing	<1	26,175	77,254	247,238
Coffee and tea manufacturing	<1	3,513	7,086	30,257
Flavoring syrup and concentrate manufacturing	<1	672	5,792	11,562
Mayonnaise, dressing, and sauce manufacturing	<1	3,284	6,725	30,978
Spice and extract manufacturing	<1	10,703	18,931	69,441
All other food manufacturing	<1	26,516	39,324	154,858
Bottled and canned soft drinks & water	<1	38,533	76,957	312,524
Manufactured ice	<1	1,723	1,352	6,751
Breweries	<1	12,536	30,125	95,380
Wineries	<1	3,224	6,574	26,339
Distilleries	<1	2,389	12,394	29,335
Tobacco product manufacturing	<1	570	25,246	40,486
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	223	332	1,123
Narrow fabric mills and schiffli machine embroidery	<1	61	68	173
Nonwoven fabric mills	<1	805	1,494	13,960
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2,570	3,442	15,620
Fabric coating mills	<1	437	557	2,190
Carpet and rug mills	<1	779	1,203	4,438
Curtain and linen mills	<1	857	1,137	4,721

## Appendix

Textile bag and canvas mills	<1	6,393	9,063	28,580
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,932	5,009	15,623
Other textile product mills	<1	2,086	2,598	8,402
Hosiery and sock mills	<1	404	385	1,340
Other apparel knitting mills	<1	473	469	1,629
Cut and sew apparel contractors	<1	1,326	1,265	4,040
Men's and boys' cut and sew apparel manufacturing	<1	397	338	1,686
Women's and girls' cut and sew apparel manufacturing	<1	508	13	3,608
Other cut and sew apparel manufacturing	<1	248	213	1,158
Apparel accessories and other apparel manufacturing	<1	1,467	585	5,442
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	117	83	271
Other leather and allied product manufacturing	<1	3,473	2,420	6,307
Sawmills	<1	2,126	3,269	22,103
Wood preservation	<1	288	626	3,599
Veneer and plywood manufacturing	<1	2,173	3,067	11,497
Engineered wood member and truss manufacturing	<1	12,281	17,041	67,904
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	27,697	33,204	120,806
Cut stock, resawing lumber, and planing	<1	397	631	2,063
Other millwork, including flooring	<1	12,885	17,371	70,539
Wood container and pallet manufacturing	<1	13,978	16,771	58,230
Manufactured home (mobile home) manufacturing	<1	5	6	21
Prefabricated wood building manufacturing	<1	1,042	1,449	4,997
All other miscellaneous wood product manufacturing	<1	5,818	6,888	29,334
Pulp mills	0	0	0	0
Paper mills	<1	11,302	33,328	87,660
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	63,202	126,290	432,956
Paper bag and coated and treated paper manufacturing	<1	23,343	46,688	134,477
Stationery product manufacturing	<1	5,283	7,805	28,449

Appendix

Sanitary paper product manufacturing	<1	60,811	276,330	641,763
All other converted paper product manufacturing	<1	1,319	2,972	7,574
Printing	4	267,893	461,746	856,798
Support activities for printing	<1	26,446	45,087	66,698
Petroleum refineries	<1	92,405	1,118,761	4,578,019
Asphalt paving mixture and block manufacturing	<1	4,024	6,662	30,516
Asphalt shingle and coating materials manufacturing	<1	3,680	18,370	43,480
Petroleum lubricating oil and grease manufacturing	<1	4,799	15,692	37,482
All other petroleum and coal products manufacturing	<1	589	2,212	5,707
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	15,072	29,246	131,043
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	20,323	31,938	129,710
Other basic organic chemical manufacturing	<1	1,425	2,416	24,367
Plastics material and resin manufacturing	<1	1,261	1,891	27,407
Synthetic rubber manufacturing	<1	416	526	4,668
Artificial and synthetic fibers and filaments manufacturing	<1	425	545	4,741
Nitrogenous fertilizer manufacturing	<1	1,745	3,926	27,835
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	195	290	1,285
Pesticide and other agricultural chemical manufacturing	<1	1,430	3,056	10,326
Medicinal and botanical manufacturing	<1	15,249	16,746	78,480
Pharmaceutical preparation manufacturing	<1	44,827	72,753	334,683
In-vitro diagnostic substance manufacturing	<1	3,179	3,367	11,891
Biological product (except diagnostic) manufacturing	<1	3,101	5,013	16,996
Paint and coating manufacturing	<1	5,647	8,220	56,144
Adhesive manufacturing	<1	4,488	5,403	21,302
Soap and other detergent manufacturing	<1	41,774	71,837	353,337
Polish and other sanitation good manufacturing	<1	8,970	10,909	44,010

## Appendix

Surface active agent manufacturing	<1	1,532	3,610	17,154
Toilet preparation manufacturing	<1	4,128	7,124	38,989
Printing ink manufacturing	<1	1,154	1,175	5,669
Explosives manufacturing	<1	122	130	342
Custom compounding of purchased resins	<1	73	97	515
Photographic film and chemical manufacturing	<1	5,544	8,609	40,522
Other miscellaneous chemical product manufacturing	<1	5,089	6,282	36,338
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	36,857	58,732	238,473
Unlaminated plastics profile shape manufacturing	<1	9,536	21,141	75,041
Plastics pipe and pipe fitting manufacturing	<1	9,926	27,406	101,272
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	7,805	12,939	39,709
Polystyrene foam product manufacturing	<1	11,945	21,185	91,364
Urethane and other foam product (except polystyrene) manufacturing	<1	2,163	3,691	16,802
Plastics bottle manufacturing	<1	8,803	13,595	66,958
Other plastics product manufacturing	2	148,158	222,470	738,295
Tire manufacturing	<1	11,939	15,686	55,090
Rubber and plastics hoses and belting manufacturing	<1	1,387	2,200	9,282
Other rubber product manufacturing	<1	44,001	55,174	171,539
Pottery, ceramics, and plumbing fixture manufacturing	<1	775	1,296	2,740
Brick, tile, and other structural clay product manufacturing	<1	4,561	7,965	21,322
Flat glass manufacturing	<1	1,682	3,489	9,451
Other pressed and blown glass and glassware manufacturing	<1	2,231	3,954	10,806
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	16,547	30,963	79,789
Cement manufacturing	<1	7,321	17,285	43,400
Ready-mix concrete manufacturing	<1	29,744	49,823	157,891
Concrete block and brick manufacturing	<1	2,916	5,394	17,793
Concrete pipe manufacturing	<1	1,358	2,341	5,644

## Appendix

Other concrete product manufacturing	<1	12,317	18,698	47,399
Lime manufacturing	<1	2,120	4,616	13,527
Gypsum product manufacturing	<1	5,770	17,396	46,437
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	9,036	12,016	27,243
Ground or treated mineral and earth manufacturing	<1	3,363	7,947	17,269
Mineral wool manufacturing	<1	2,982	8,140	20,634
Miscellaneous nonmetallic mineral products manufacturing	<1	4,543	10,679	24,033
Iron and steel mills and ferroalloy manufacturing	<1	32,744	103,873	416,909
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,407	6,563	31,769
Rolled steel shape manufacturing	<1	1,551	7,007	26,084
Steel wire drawing	<1	7,577	18,341	66,771
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	2,118	3,488	15,827
Nonferrous metal (exc aluminum) smelting and refining	<1	3,825	31,242	81,592
Copper rolling, drawing, extruding and alloying	<1	2,684	6,615	46,755
Nonferrous metal, except copper and aluminum, shaping	<1	6,621	8,668	30,921
Secondary processing of other nonferrous metals	<1	12	29	123
Ferrous metal foundries	<1	8,476	17,338	38,476
Nonferrous metal foundries	<1	5,218	7,829	21,016
Custom roll forming	<1	41	56	230
Crown and closure manufacturing and metal stamping	<1	3,004	3,797	13,088
Iron and steel forging	<1	709	943	4,101
Nonferrous forging	<1	23	29	86
Cutlery, utensil, pot, and pan manufacturing	<1	128	244	1,144
Handtool manufacturing	<1	3,791	5,826	16,826
Prefabricated metal buildings and components manufacturing	<1	9,126	12,348	44,716
Fabricated structural metal manufacturing	<1	38,822	55,098	198,678

Appendix

Plate work manufacturing	<1	14,455	16,285	53,672
Metal window and door manufacturing	<1	13,603	18,122	51,603
Sheet metal work manufacturing	<1	20,474	26,541	82,011
Ornamental and architectural metal work manufacturing	<1	19,786	23,211	68,253
Power boiler and heat exchanger manufacturing	<1	98	130	448
Metal tank (heavy gauge) manufacturing	<1	3,163	3,791	11,862
Metal cans manufacturing	<1	344	581	2,424
Metal barrels, drums and pails manufacturing	<1	2,126	2,709	14,648
Hardware manufacturing	<1	1,054	1,471	6,137
Spring and wire product manufacturing	<1	3,558	4,512	16,618
Machine shops	<1	65,809	76,006	176,473
Turned product and screw, nut, and bolt manufacturing	<1	6,366	7,873	23,764
Metal heat treating	<1	2,321	2,968	9,152
Metal coating and nonprecious engraving	<1	8,180	13,393	44,669
Electroplating, anodizing, and coloring metal	<1	10,378	11,230	29,272
Valve and fittings, other than plumbing, manufacturing	<1	8,360	11,837	38,627
Plumbing fixture fitting and trim manufacturing	<1	3,424	7,028	29,107
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	32,424	67,802	192,249
Ammunition, except for small arms, manufacturing	<1	724	804	1,829
Small arms, ordnance, and accessories manufacturing	<1	34,923	66,011	228,383
Fabricated pipe and pipe fitting manufacturing	<1	738	897	3,356
Other fabricated metal manufacturing	<1	34,199	43,581	149,398
Farm machinery and equipment manufacturing	<1	965	1,988	8,923
Lawn and garden equipment manufacturing	<1	93	172	532
Construction machinery manufacturing	<1	340	875	2,777
Mining machinery and equipment manufacturing	<1	366	545	1,654
Oil and gas field machinery and equipment manufacturing	<1	504	654	2,278



## Appendix

Semiconductor machinery manufacturing	<1	41	51	265
Food product machinery manufacturing	<1	13	16	61
Sawmill, woodworking, and paper machinery	<1	4	5	39
Printing machinery and equipment manufacturing	<1	72	80	302
All other industrial machinery manufacturing	<1	326	423	1,343
Optical instrument and lens manufacturing	<1	240	351	947
Photographic and photocopying equipment manufacturing	<1	123	154	510
Other commercial service industry machinery manufacturing	<1	1,902	3,215	10,226
Air purification and ventilation equipment manufacturing	<1	873	1,180	4,521
Heating equipment (except warm air furnaces) manufacturing	<1	5,160	8,406	22,126
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,886	5,045	14,340
Industrial mold manufacturing	<1	1,734	2,132	5,107
Special tool, die, jig, and fixture manufacturing	<1	360	484	1,030
Cutting tool and machine tool accessory manufacturing	<1	1,372	1,613	3,794
Machine tool manufacturing	<1	87	115	461
Rolling mill and other metalworking machinery manufacturing	<1	99	137	303
Turbine and turbine generator set units manufacturing	<1	9	10	27
Speed changer, industrial high-speed drive, and gear manufacturing	<1	102	143	350
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	1,714	3,976	20,114
Pump and pumping equipment manufacturing	<1	265	460	1,367
Air and gas compressor manufacturing	<1	38	52	149
Elevator and moving stairway manufacturing	<1	72	95	339
Conveyor and conveying equipment manufacturing	<1	105	120	336
Overhead cranes, hoists, and monorail systems manufacturing	<1	43	82	301

## Appendix

Industrial truck, trailer, and stacker manufacturing	<1	888	1,515	5,006
Power-driven handtool manufacturing	<1	175	476	1,043
Welding and soldering equipment manufacturing	<1	105	157	522
Packaging machinery manufacturing	<1	510	774	2,514
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	7,192	10,393	24,106
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	244	303	891
Electronic computer manufacturing	<1	545	736	2,835
Computer storage device manufacturing	<1	63	95	362
Computer terminals and other computer peripheral equipment manufacturing	<1	2,544	3,550	12,305
Telephone apparatus manufacturing	<1	73	117	343
Broadcast and wireless communications equipment manufacturing	<1	91	118	410
Other communications equipment manufacturing	<1	93	145	642
Audio and video equipment manufacturing	<1	592	949	5,452
Printed circuit assembly (electronic assembly) manufacturing	<1	739	1,105	5,539
Bare printed circuit board manufacturing	<1	1,014	1,240	4,694
Semiconductor and related device manufacturing	<1	2,644	3,993	17,260
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	351	430	1,303
Electronic connector manufacturing	<1	3,732	4,790	13,514
Other electronic component manufacturing	<1	1,253	1,501	4,599
Electromedical and electrotherapeutic apparatus manufacturing	<1	392	587	1,795
Search, detection, and navigation instruments manufacturing	<1	63	95	282

## Appendix

Automatic environmental control manufacturing	<1	3,892	4,998	12,005
Industrial process variable instruments manufacturing	<1	833	1,137	3,334
Totalizing fluid meter and counting device manufacturing	<1	182	353	879
Electricity and signal testing instruments manufacturing	<1	398	466	1,259
Analytical laboratory instrument manufacturing	<1	206	285	894
Irradiation apparatus manufacturing	<1	281	475	1,777
Watch, clock, and other measuring and controlling device manufacturing	<1	403	543	2,062
Blank magnetic and optical recording media manufacturing	<1	4,604	13,543	85,584
Software and other prerecorded and record reproducing	<1	6,995	9,663	33,568
Electric lamp bulb and part manufacturing	<1	113	275	776
Lighting fixture manufacturing	<1	578	972	2,665
Small electrical appliance manufacturing	<1	740	2,796	7,725
Household cooking appliance manufacturing	<1	156	780	1,860
Household refrigerator and home freezer manufacturing	<1	201	907	2,086
Household laundry equipment manufacturing	<1	597	1,662	5,335
Other major household appliance manufacturing	<1	126	701	1,410
Power, distribution, and specialty transformer manufacturing	<1	11	20	32
Motor and generator manufacturing	<1	929	2,724	5,459
Switchgear and switchboard apparatus manufacturing	<1	320	924	1,754
Relay and industrial control manufacturing	<1	474	841	2,153
Storage battery manufacturing	<1	5,484	13,341	32,081
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	290	873	2,497
Wiring device manufacturing	<1	253	900	1,951
Carbon and graphite product manufacturing	<1	35,561	73,459	187,366

## Appendix

All other miscellaneous electrical equipment and component manufacturing	<1	231	299	880
Automobile manufacturing	<1	466	2,023	4,795
Light truck and utility vehicle manufacturing	<1	115	489	1,519
Heavy duty truck manufacturing	<1	146	348	1,415
Motor vehicle body manufacturing	<1	79	113	431
Truck trailer manufacturing	<1	284	400	1,573
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	27,307	34,489	168,525
Motor vehicle gasoline engine and engine parts manufacturing	<1	280	509	3,468
Motor vehicle electrical and electronic equipment manufacturing	<1	6,029	8,953	31,451
Motor vehicle transmission and power train parts manufacturing	<1	1,874	3,000	14,016
Motor vehicle seating and interior trim manufacturing	<1	197	250	1,492
Motor vehicle metal stamping	<1	20,276	27,831	87,500
Other motor vehicle parts manufacturing	1	114,200	170,079	688,594
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4,570	7,647	26,626
Aircraft manufacturing	<1	36	50	155
Aircraft engine and engine parts manufacturing	<1	926	1,833	4,749
Other aircraft parts and auxiliary equipment manufacturing	<1	2,513	3,215	7,223
Guided missile and space vehicle manufacturing	<1	1,192	1,766	4,046
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,166	2,751	5,631
Railroad rolling stock manufacturing	<1	50	54	256
Ship building and repairing	<1	29	36	93
Boat building	<1	2,118	2,860	11,426
Motorcycle, bicycle, and parts manufacturing	<1	3,602	8,368	27,576
Military armored vehicle, tank, and tank component manufacturing	<1	428	696	1,994
All other transportation equipment manufacturing	<1	984	1,653	6,787
Wood kitchen cabinet and countertop manufacturing	<1	32,672	54,447	117,056

## Appendix

Upholstered household furniture manufacturing	<1	7,100	8,831	32,890
Nonupholstered wood household furniture manufacturing	<1	6,549	9,014	24,956
Other household nonupholstered furniture manufacturing	<1	1,782	4,324	12,837
Institutional furniture manufacturing	<1	313	353	1,048
Wood office furniture manufacturing	<1	5	9	26
Custom architectural woodwork and millwork	<1	942	921	2,664
Office furniture, except wood, manufacturing	<1	125	325	941
Showcase, partition, shelving, and locker manufacturing	<1	839	1,561	3,934
Mattress manufacturing	<1	10,868	29,935	90,763
Blind and shade manufacturing	<1	2,495	2,518	10,680
Surgical and medical instrument manufacturing	<1	28,356	45,556	94,322
Surgical appliance and supplies manufacturing	<1	8,802	17,928	39,218
Dental equipment and supplies manufacturing	<1	2,325	4,089	9,411
Ophthalmic goods manufacturing	<1	844	1,728	3,341
Dental laboratories	<1	9,058	10,470	19,715
Jewelry and silverware manufacturing	<1	12,738	21,623	58,048
Sporting and athletic goods manufacturing	1	105,990	158,978	488,056
Doll, toy, and game manufacturing	<1	1,000	2,083	8,166
Office supplies (except paper) manufacturing	<1	7,887	12,668	35,546
Sign manufacturing	<1	12,073	11,566	27,812
Gasket, packing, and sealing device manufacturing	<1	5,737	6,574	15,810
Musical instrument manufacturing	<1	545	635	2,257
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	5,863	9,516	21,697
Burial casket manufacturing	<1	1,204	1,889	3,894
All other miscellaneous manufacturing	<1	15,465	22,323	60,682
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	115,868	221,035	531,366
Wholesale - Professional and commercial equipment and supplies	3	412,780	607,329	1,121,669

## Appendix

Wholesale - Household appliances and electrical and electronic goods	2	173,339	360,069	858,992
Wholesale - Machinery, equipment, and supplies	2	218,743	367,371	710,341
Wholesale - Other durable goods merchant wholesalers	4	415,439	685,950	1,511,847
Wholesale - Drugs and druggists'sundries	2	282,539	576,141	1,494,179
Wholesale - Grocery and related product wholesalers	3	278,866	385,258	832,684
Wholesale - Petroleum and petroleum products	<1	28,399	416,507	502,768
Wholesale - Other nondurable goods merchant wholesalers	4	346,170	742,714	1,585,363
Wholesale - Wholesale electronic markets and agents and brokers	3	368,244	403,892	475,934
Retail - Motor vehicle and parts dealers	5	382,425	579,027	798,492
Retail - Furniture and home furnishings stores	3	189,465	281,053	448,677
Retail - Electronics and appliance stores	3	195,331	210,131	323,976
Retail - Building material and garden equipment and supplies stores	4	190,722	418,664	572,328
Retail - Food and beverage stores	14	456,925	734,625	1,215,907
Retail - Health and personal care stores	6	404,572	513,502	714,653
Retail - Gasoline stores	4	178,453	441,316	778,457
Retail - Clothing and clothing accessories stores	7	301,382	511,308	931,338
Retail - Sporting goods, hobby, musical instrument and book stores	5	169,652	241,179	385,171
Retail - General merchandise stores	13	484,659	865,435	1,395,294
Retail - Miscellaneous store retailers	9	454,888	457,599	660,872
Retail - Nonstore retailers	12	254,174	1,815,640	2,866,352
Air transportation	3	391,831	990,956	1,814,214
Rail transportation	<1	60,729	183,700	346,578
Water transportation	<1	2,184	5,288	23,739
Truck transportation	9	727,979	1,077,005	2,230,346
Transit and ground passenger transportation	7	98,285	244,517	358,003
Pipeline transportation	<1	27,338	68,476	126,927
Scenic and sightseeing transportation and support activities for transportation	8	994,746	836,975	1,156,388
Couriers and messengers	14	464,471	696,610	871,963

## Appendix

Warehousing and storage	7	401,300	426,940	766,297
Newspaper publishers	<1	27,832	42,714	64,303
Periodical publishers	<1	19,967	28,231	48,506
Book publishers	<1	40,950	95,219	236,100
Directory, mailing list, and other publishers	<1	36,023	72,687	131,101
Greeting card publishing	<1	2,264	6,220	12,018
Software publishers	9	1,520,380	2,508,512	3,499,841
Motion picture and video industries	4	187,633	296,129	960,274
Sound recording industries	<1	6,295	43,931	97,209
Radio and television broadcasting	2	278,224	504,552	1,105,811
Cable and other subscription programming	<1	42,201	385,698	757,919
Wired telecommunications carriers	2	151,126	478,876	819,226
Wireless telecommunications carriers (except satellite)	<1	36,438	526,230	1,184,336
Satellite, telecommunications resellers, and all other telecommunications	<1	90,282	132,105	329,215
Data processing, hosting, and related services	5	735,115	1,577,347	3,943,803
News syndicates, libraries, archives and all other information services	<1	29,110	45,792	107,021
Internet publishing and broadcasting and web search portals	2	287,837	778,782	3,293,905
Nondepository credit intermediation and related activities	8	894,922	967,311	1,512,122
Securities and commodity contracts intermediation and brokerage	15	607,646	459,175	1,565,365
Monetary authorities and depository credit intermediation	11	1,033,707	9,003,995	10,019,274
Other financial investment activities	14	504,176	581,527	2,322,288
Direct life insurance carriers	<1	82,364	203,218	275,678
Insurance carriers, except direct life	5	487,742	2,030,665	3,879,861
Insurance agencies, brokerages, and related activities	8	663,051	1,242,831	2,786,262
Funds, trusts, and other financial vehicles	4	77,165	177,779	905,882
Other real estate	113	2,454,530	7,327,847	21,534,821
Tenant-occupied housing	5	107,842	1,802,724	1,940,291
Owner-occupied dwellings	0	0	7,628,981	9,206,917

## Appendix

Automotive equipment rental and leasing	1	194,393	340,540	434,675
General and consumer goods rental except video tapes and discs	2	170,924	228,091	309,854
Video tape and disc rental	<1	29,415	48,765	82,409
Commercial and industrial machinery and equipment rental and leasing	2	310,626	501,463	637,583
Lessors of nonfinancial intangible assets	<1	37,274	655,256	728,703
Legal services	25	2,514,414	3,311,358	5,008,596
Accounting, tax preparation, bookkeeping, and payroll services	12	876,910	1,196,276	1,930,092
Architectural, engineering, and related services	12	1,008,740	1,138,125	2,138,933
Specialized design services	2	101,467	190,163	351,666
Custom computer programming services	5	577,728	577,569	814,057
Computer systems design services	3	368,583	365,826	467,724
Other computer related services, including facilities management	4	365,343	519,224	964,333
Management consulting services	46	3,932,764	4,080,872	7,005,928
Environmental and other technical consulting services	4	334,231	381,808	615,737
Scientific research and development services	566	53,982,959	68,645,812	137,948,794
Advertising, public relations, and related services	8	611,495	1,037,574	2,205,467
Photographic services	<1	20,180	59,013	134,933
Veterinary services	2	82,418	95,722	152,041
Marketing research and all other miscellaneous professional, scientific, and technical services	17	1,394,282	2,633,785	5,525,579
Management of companies and enterprises	44	3,750,915	4,046,094	8,244,120
Office administrative services	14	1,236,897	425,401	1,136,280
Facilities support services	<1	38,522	52,590	137,136
Employment services	46	2,591,401	3,560,440	5,762,688
Business support services	9	601,650	514,765	852,936
Travel arrangement and reservation services	3	159,662	252,825	915,278
Investigation and security services	5	302,748	306,683	419,399
Services to buildings	11	459,512	646,914	1,318,592
Landscape and horticultural services	8	390,950	478,228	890,743
Other support services	3	164,222	208,697	417,608
Waste management and remediation services	2	166,360	281,625	591,451



## Appendix

Elementary and secondary schools	7	318,716	267,622	329,558
Junior colleges, colleges, universities, and professional schools	11	452,883	582,815	850,141
Other educational services	4	225,723	249,383	461,736
Offices of physicians	17	1,634,753	1,639,178	2,477,764
Offices of dentists	8	441,136	509,647	761,764
Offices of other health practitioners	6	295,406	417,651	572,492
Outpatient care centers	3	211,954	207,558	358,888
Medical and diagnostic laboratories	2	142,834	212,023	298,775
Home health care services	7	369,087	365,200	469,746
Other ambulatory health care services	2	112,330	128,198	199,285
Hospitals	26	2,355,060	2,812,386	5,263,762
Nursing and community care facilities	5	241,396	273,572	461,884
Residential mental retardation, mental health, substance abuse and other facilities	3	173,927	178,997	261,111
Individual and family services	14	477,245	422,850	591,735
Child day care services	5	156,942	238,915	325,276
Community food, housing, and other relief services, including rehabilitation services	3	108,325	101,431	226,664
Performing arts companies	3	71,264	124,646	247,968
Commercial Sports Except Racing	6	272,400	220,944	377,269
Racing and Track Operation	<1	12,698	18,603	35,102
Independent artists, writers, and performers	3	83,328	227,887	346,210
Promoters of performing arts and sports and agents for public figures	3	81,152	199,088	451,252
Museums, historical sites, zoos, and parks	<1	20,481	24,262	48,655
Amusement parks and arcades	<1	12,525	50,030	56,606
Gambling industries (except casino hotels)	3	99,236	181,411	291,571
Other amusement and recreation industries	4	125,518	157,213	212,566
Fitness and recreational sports centers	3	51,327	82,157	138,305
Bowling centers	<1	10,420	17,316	28,645
Hotels and motels, including casino hotels	3	104,600	199,737	311,418
Other accommodations	<1	31,975	40,438	55,081
Full-service restaurants	24	752,168	1,111,553	2,200,691
Limited-service restaurants	27	673,733	1,069,198	2,594,878

## Appendix

All other food and drinking places	21	671,498	980,233	1,638,310
Automotive repair and maintenance, except car washes	11	719,734	924,199	1,279,036
Car washes	6	383,095	578,922	847,303
Electronic and precision equipment repair and maintenance	3	194,298	280,830	439,657
Commercial and industrial machinery and equipment repair and maintenance	4	307,995	350,134	518,856
Personal and household goods repair and maintenance	1	64,181	222,430	274,145
Personal care services	7	187,337	179,181	213,327
Death care services	2	52,146	52,409	68,785
Dry-cleaning and laundry services	4	106,381	102,520	126,548
Other personal services	6	173,956	306,562	411,046
Religious organizations	6	343,513	307,810	699,112
Grantmaking, giving, and social advocacy organizations	<1	56,248	445,731	524,505
Business and professional associations	<1	99,693	311,384	400,114
Labor and civic organizations	1	49,876	363,800	460,694
Private households	5	62,957	62,957	62,957
Postal service	3	316,158	317,628	317,743
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	19,624	36,752	77,312
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	141,647	155,852	383,638
Local government passenger transit	3	243,861	17,593	107,272
Local government electric utilities	<1	16,386	42,788	90,909
Other local government enterprises	3	310,429	489,895	1,223,326
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0

## Appendix

* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	5	918,503	1,200,581	2,214,680

## Investments in Climate Change Research and Technology

**Table 759: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	146	9,484,109	15,112,325	29,450,288
Oilseed farming	<1	40	39	406
Grain farming	<1	881	135	7,664
Vegetable and melon farming	<1	690	1,914	3,168
Fruit farming	<1	406	1,114	1,485
Tree nut farming	<1	5	13	18
Greenhouse, nursery, and floriculture production	<1	2,200	5,079	8,058
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,700	7,508	13,444
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	2,827	15,645	31,236
Dairy cattle and milk production	<1	1,036	3,380	14,610
Poultry and egg production	<1	1,353	2,906	27,053
Animal production, except cattle and poultry and eggs	<1	9,961	44,728	49,691
Forestry, forest products, and timber tract production	<1	675	768	1,120
Commercial logging	<1	535	591	1,086
Commercial fishing	<1	705	2,952	2,980
Commercial hunting and trapping	<1	112	227	275
Support activities for agriculture and forestry	<1	9,007	6,790	8,286
Oil and gas extraction	<1	3,494	24,502	56,938
Coal mining	<1	11,152	27,326	35,496
Copper, nickel, lead, and zinc mining	<1	9,510	36,136	49,574
Iron ore mining	<1	3,093	5,375	7,743

Appendix

Gold ore mining	<1	793	1,473	1,947
Silver ore mining	<1	260	389	505
Uranium-radium-vanadium ore mining	<1	541	3,274	4,980
Other metal ore mining	<1	473	951	1,371
Stone mining and quarrying	<1	270	1,381	2,023
Sand and gravel mining	<1	1,763	3,372	5,020
Other clay, ceramic, refractory minerals mining	<1	168	372	594
Potash, soda, and borate mineral mining	<1	163	246	371
Phosphate rock mining	<1	39	78	117
Other chemical and fertilizer mineral mining	<1	327	503	802
Other nonmetallic minerals	<1	559	1,049	1,565
Drilling oil and gas wells	<1	4	17	32
Support activities for oil and gas operations	<1	56	98	229
Metal mining services	<1	1,503	3,170	14,374
Other nonmetallic minerals services	<1	13	38	147
Electric power generation - Hydroelectric	<1	99	235	421
Electric power generation - Fossil fuel	<1	14,936	56,093	98,604
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2,964	7,342	10,631
Electric power generation - Wind	<1	141	1,043	1,574
Electric power generation - Geothermal	<1	315	608	885
Electric power generation - Biomass	<1	22	64	126
Electric power generation - All other	<1	351	531	522
Electric power transmission and distribution	<1	40,523	149,898	256,509
Natural gas distribution	<1	13,748	52,409	83,367
Water, sewage and other systems	<1	5,874	12,502	18,372
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0

## Appendix

Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	34,438	70,325	144,992
Maintenance and repair construction of residential structures	<1	10,620	19,274	39,820
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	11	21	45
Dog and cat food manufacturing	<1	3,254	9,131	35,269
Other animal food manufacturing	<1	1,778	3,378	28,598
Flour milling	<1	1,471	3,354	17,799
Rice milling	<1	341	669	3,437
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	81	234	1,721
Breakfast cereal manufacturing	<1	2,524	6,700	22,470
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1,494	2,179	8,624
Chocolate and confectionery manufacturing from cacao beans	<1	82	125	758
Confectionery manufacturing from purchased chocolate	<1	273	419	3,248
Frozen fruits, juices and vegetables manufacturing	<1	639	1,409	4,930
Frozen specialties manufacturing	<1	4,032	5,751	21,352
Canned fruits and vegetables manufacturing	<1	138	279	1,314
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	372	726	2,692
Cheese manufacturing	<1	3,906	5,816	54,746
Dry, condensed, and evaporated dairy product manufacturing	<1	413	1,081	5,933

## Appendix

Fluid milk manufacturing	<1	2,512	4,182	22,467
Creamery butter manufacturing	<1	304	1,170	6,481
Ice cream and frozen dessert manufacturing	<1	1,316	1,933	8,099
Frozen cakes and other pastries manufacturing	<1	2,034	3,347	6,325
Poultry processing	<1	4,459	5,579	26,459
Animal, except poultry, slaughtering	<1	8,619	10,712	82,132
Meat processed from carcasses	<1	7,137	6,924	48,856
Rendering and meat byproduct processing	<1	165	185	1,015
Seafood product preparation and packaging	<1	10	16	205
Bread and bakery product, except frozen, manufacturing	<1	7,327	11,505	30,982
Cookie and cracker manufacturing	<1	4,547	6,588	22,422
Dry pasta, mixes, and dough manufacturing	<1	526	1,295	4,282
Tortilla manufacturing	<1	217	302	1,166
Roasted nuts and peanut butter manufacturing	<1	407	541	3,104
Other snack food manufacturing	<1	2,648	7,602	25,324
Coffee and tea manufacturing	<1	470	908	3,972
Flavoring syrup and concentrate manufacturing	<1	61	486	1,036
Mayonnaise, dressing, and sauce manufacturing	<1	378	784	3,568
Spice and extract manufacturing	<1	1,010	1,703	6,402
All other food manufacturing	<1	2,505	3,668	14,474
Bottled and canned soft drinks & water	<1	4,055	7,889	32,101
Manufactured ice	<1	153	116	631
Breweries	<1	1,836	4,172	13,250
Wineries	<1	256	503	2,027
Distilleries	<1	337	1,557	3,816
Tobacco product manufacturing	<1	50	1,615	2,892
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	36	50	189
Narrow fabric mills and schiffli machine embroidery	<1	7	8	20
Nonwoven fabric mills	<1	50	89	939
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1,020	1,377	6,769
Fabric coating mills	<1	25	33	139
Carpet and rug mills	<1	83	122	504
Curtain and linen mills	<1	84	108	479

## Appendix

Textile bag and canvas mills	<1	621	845	2,808
Rope, cordage, twine, tire cord and tire fabric mills	<1	349	527	1,857
Other textile product mills	<1	233	282	969
Hosiery and sock mills	<1	40	37	140
Other apparel knitting mills	<1	51	49	185
Cut and sew apparel contractors	<1	107	102	334
Men's and boys' cut and sew apparel manufacturing	<1	34	29	150
Women's and girls' cut and sew apparel manufacturing	<1	42	1	310
Other cut and sew apparel manufacturing	<1	28	24	136
Apparel accessories and other apparel manufacturing	<1	126	50	506
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	12	8	30
Other leather and allied product manufacturing	<1	335	227	633
Sawmills	<1	231	367	2,423
Wood preservation	<1	37	83	442
Veneer and plywood manufacturing	<1	273	394	1,429
Engineered wood member and truss manufacturing	<1	1,057	1,517	5,949
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	2,695	3,312	12,228
Cut stock, resawing lumber, and planing	<1	39	67	209
Other millwork, including flooring	<1	1,096	1,557	6,287
Wood container and pallet manufacturing	<1	1,249	1,556	5,402
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	103	151	519
All other miscellaneous wood product manufacturing	<1	430	562	2,509
Pulp mills	0	0	0	0
Paper mills	<1	1,152	4,356	9,832
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	6,902	14,053	46,722
Paper bag and coated and treated paper manufacturing	<1	2,050	4,461	13,119
Stationery product manufacturing	<1	501	771	3,024

## Appendix

Sanitary paper product manufacturing	<1	6,851	32,578	72,505
All other converted paper product manufacturing	<1	107	259	640
Printing	<1	21,828	36,104	72,084
Support activities for printing	<1	1,845	3,077	4,762
Petroleum refineries	<1	10,526	116,269	505,352
Asphalt paving mixture and block manufacturing	<1	374	590	2,942
Asphalt shingle and coating materials manufacturing	<1	307	1,342	3,518
Petroleum lubricating oil and grease manufacturing	<1	362	1,198	3,142
All other petroleum and coal products manufacturing	<1	75	279	837
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,112	3,624	17,375
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	3,569	4,872	21,087
Other basic organic chemical manufacturing	<1	217	325	3,336
Plastics material and resin manufacturing	<1	196	253	3,796
Synthetic rubber manufacturing	<1	80	95	806
Artificial and synthetic fibers and filaments manufacturing	<1	30	39	347
Nitrogenous fertilizer manufacturing	<1	103	213	1,914
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	20	26	126
Pesticide and other agricultural chemical manufacturing	<1	181	347	1,194
Medicinal and botanical manufacturing	<1	1,045	1,178	5,779
Pharmaceutical preparation manufacturing	<1	3,713	5,793	27,649
In-vitro diagnostic substance manufacturing	<1	186	210	712
Biological product (except diagnostic) manufacturing	<1	133	241	862
Paint and coating manufacturing	<1	759	994	6,970
Adhesive manufacturing	<1	312	361	1,480
Soap and other detergent manufacturing	<1	3,379	5,395	31,194
Polish and other sanitation good manufacturing	<1	736	853	3,641



## Appendix

Surface active agent manufacturing	<1	144	329	1,637
Toilet preparation manufacturing	<1	355	587	3,308
Printing ink manufacturing	<1	111	114	550
Explosives manufacturing	<1	20	21	55
Custom compounding of purchased resins	<1	7	9	50
Photographic film and chemical manufacturing	<1	386	579	3,001
Other miscellaneous chemical product manufacturing	<1	5,797	7,016	38,123
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,471	5,509	23,417
Unlaminated plastics profile shape manufacturing	<1	811	1,785	6,667
Plastics pipe and pipe fitting manufacturing	<1	851	2,288	8,474
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,145	1,865	5,993
Polystyrene foam product manufacturing	<1	1,128	1,942	8,832
Urethane and other foam product (except polystyrene) manufacturing	<1	209	349	1,647
Plastics bottle manufacturing	<1	817	1,253	6,364
Other plastics product manufacturing	<1	14,810	21,469	75,252
Tire manufacturing	<1	7,123	8,994	34,226
Rubber and plastics hoses and belting manufacturing	<1	247	384	1,624
Other rubber product manufacturing	<1	3,597	4,477	13,706
Pottery, ceramics, and plumbing fixture manufacturing	<1	56	92	199
Brick, tile, and other structural clay product manufacturing	<1	388	717	1,865
Flat glass manufacturing	<1	155	332	919
Other pressed and blown glass and glassware manufacturing	<1	190	333	920
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,720	3,344	8,331
Cement manufacturing	<1	531	1,328	3,248
Ready-mix concrete manufacturing	<1	2,472	4,336	13,398
Concrete block and brick manufacturing	<1	218	427	1,374
Concrete pipe manufacturing	<1	159	284	650

## Appendix

Other concrete product manufacturing	<1	1,187	1,889	4,592
Lime manufacturing	<1	291	704	1,924
Gypsum product manufacturing	<1	478	1,514	3,983
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	795	1,083	2,438
Ground or treated mineral and earth manufacturing	<1	420	1,100	2,314
Mineral wool manufacturing	<1	216	646	1,641
Miscellaneous nonmetallic mineral products manufacturing	<1	301	784	1,765
Iron and steel mills and ferroalloy manufacturing	<1	5,200	16,659	68,567
Iron, steel pipe and tube manufacturing from purchased steel	<1	373	1,045	4,989
Rolled steel shape manufacturing	<1	233	1,100	3,855
Steel wire drawing	<1	822	2,075	7,390
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	681	1,170	5,285
Nonferrous metal (exc aluminum) smelting and refining	<1	525	5,325	12,503
Copper rolling, drawing, extruding and alloying	<1	448	1,177	8,547
Nonferrous metal, except copper and aluminum, shaping	<1	795	1,052	3,791
Secondary processing of other nonferrous metals	<1	2	5	19
Ferrous metal foundries	<1	2,350	4,912	10,863
Nonferrous metal foundries	<1	619	952	2,593
Custom roll forming	<1	4	5	21
Crown and closure manufacturing and metal stamping	<1	262	330	1,166
Iron and steel forging	<1	181	237	1,085
Nonferrous forging	<1	5	7	20
Cutlery, utensil, pot, and pan manufacturing	<1	10	20	96
Handtool manufacturing	<1	329	497	1,527
Prefabricated metal buildings and components manufacturing	<1	578	827	2,922
Fabricated structural metal manufacturing	<1	4,262	5,973	21,968

## Appendix

Plate work manufacturing	<1	2,453	2,732	9,393
Metal window and door manufacturing	<1	900	1,190	3,554
Sheet metal work manufacturing	<1	1,844	2,412	7,783
Ornamental and architectural metal work manufacturing	<1	1,596	1,892	5,752
Power boiler and heat exchanger manufacturing	<1	11	15	51
Metal tank (heavy gauge) manufacturing	<1	201	238	790
Metal cans manufacturing	<1	5,741	10,393	45,026
Metal barrels, drums and pails manufacturing	<1	838	1,069	5,947
Hardware manufacturing	<1	117	164	692
Spring and wire product manufacturing	<1	475	602	2,255
Machine shops	<1	12,275	14,215	34,230
Turned product and screw, nut, and bolt manufacturing	<1	1,081	1,338	4,135
Metal heat treating	<1	325	411	1,258
Metal coating and nonprecious engraving	<1	1,313	2,121	7,226
Electroplating, anodizing, and coloring metal	<1	1,188	1,282	3,368
Valve and fittings, other than plumbing, manufacturing	<1	10,451	15,041	56,569
Plumbing fixture fitting and trim manufacturing	<1	233	491	1,969
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2,485	5,176	15,634
Ammunition, except for small arms, manufacturing	<1	88	98	231
Small arms, ordnance, and accessories manufacturing	<1	2,975	5,768	21,182
Fabricated pipe and pipe fitting manufacturing	<1	197	240	910
Other fabricated metal manufacturing	<1	2,890	3,691	12,996
Farm machinery and equipment manufacturing	<1	100	198	938
Lawn and garden equipment manufacturing	<1	6	11	38
Construction machinery manufacturing	<1	20	49	180
Mining machinery and equipment manufacturing	<1	45	68	212
Oil and gas field machinery and equipment manufacturing	<1	87	116	373

## Appendix

Semiconductor machinery manufacturing	<1	4	5	25
Food product machinery manufacturing	<1	1	1	6
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	8	9	32
All other industrial machinery manufacturing	<1	36	47	146
Optical instrument and lens manufacturing	<1	20	31	83
Photographic and photocopying equipment manufacturing	<1	11	14	46
Other commercial service industry machinery manufacturing	<1	155	263	828
Air purification and ventilation equipment manufacturing	<1	104	140	553
Heating equipment (except warm air furnaces) manufacturing	<1	646	1,041	2,886
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	353	644	1,875
Industrial mold manufacturing	<1	122	151	382
Special tool, die, jig, and fixture manufacturing	<1	29	39	87
Cutting tool and machine tool accessory manufacturing	<1	138	163	394
Machine tool manufacturing	<1	8	10	43
Rolling mill and other metalworking machinery manufacturing	<1	10	14	32
Turbine and turbine generator set units manufacturing	<1	1	1	4
Speed changer, industrial high-speed drive, and gear manufacturing	<1	16	24	60
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	228	551	2,847
Pump and pumping equipment manufacturing	<1	22	39	115
Air and gas compressor manufacturing	<1	3	4	12
Elevator and moving stairway manufacturing	<1	9	12	43
Conveyor and conveying equipment manufacturing	<1	9	10	30
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	8	29

## Appendix

Industrial truck, trailer, and stacker manufacturing	<1	87	154	510
Power-driven handtool manufacturing	<1	8	24	52
Welding and soldering equipment manufacturing	<1	16	25	97
Packaging machinery manufacturing	<1	50	77	250
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	867	1,286	2,956
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	25	32	95
Electronic computer manufacturing	<1	39	52	218
Computer storage device manufacturing	<1	5	7	28
Computer terminals and other computer peripheral equipment manufacturing	<1	170	231	836
Telephone apparatus manufacturing	<1	12	19	57
Broadcast and wireless communications equipment manufacturing	<1	11	14	49
Other communications equipment manufacturing	<1	9	14	62
Audio and video equipment manufacturing	<1	47	75	442
Printed circuit assembly (electronic assembly) manufacturing	<1	80	117	600
Bare printed circuit board manufacturing	<1	124	146	515
Semiconductor and related device manufacturing	<1	397	590	2,650
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	25	30	94
Electronic connector manufacturing	<1	268	337	981
Other electronic component manufacturing	<1	129	153	474
Electromedical and electrotherapeutic apparatus manufacturing	<1	35	52	163
Search, detection, and navigation instruments manufacturing	<1	8	13	39

## Appendix

Automatic environmental control manufacturing	<1	205	260	645
Industrial process variable instruments manufacturing	<1	6,762	9,127	24,760
Totalizing fluid meter and counting device manufacturing	<1	25	46	124
Electricity and signal testing instruments manufacturing	<1	265	312	864
Analytical laboratory instrument manufacturing	<1	3,384	5,207	14,499
Irradiation apparatus manufacturing	<1	20	34	132
Watch, clock, and other measuring and controlling device manufacturing	<1	40	54	207
Blank magnetic and optical recording media manufacturing	<1	191	615	4,000
Software and other prerecorded and record reproducing	<1	342	472	1,751
Electric lamp bulb and part manufacturing	<1	9	23	66
Lighting fixture manufacturing	<1	37	61	182
Small electrical appliance manufacturing	<1	55	201	571
Household cooking appliance manufacturing	<1	12	55	146
Household refrigerator and home freezer manufacturing	<1	16	64	164
Household laundry equipment manufacturing	<1	46	121	425
Other major household appliance manufacturing	<1	9	41	92
Power, distribution, and specialty transformer manufacturing	<1	1	1	3
Motor and generator manufacturing	<1	101	295	590
Switchgear and switchboard apparatus manufacturing	<1	24	71	139
Relay and industrial control manufacturing	<1	50	88	242
Storage battery manufacturing	<1	392	954	2,466
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	45	130	393
Wiring device manufacturing	<1	29	98	225
Carbon and graphite product manufacturing	<1	4,200	8,916	22,625

## Appendix

All other miscellaneous electrical equipment and component manufacturing	<1	22	29	87
Automobile manufacturing	<1	54	273	608
Light truck and utility vehicle manufacturing	<1	14	67	198
Heavy duty truck manufacturing	<1	15	36	171
Motor vehicle body manufacturing	<1	9	12	46
Truck trailer manufacturing	<1	34	49	193
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,647	4,701	22,551
Motor vehicle gasoline engine and engine parts manufacturing	<1	28	51	350
Motor vehicle electrical and electronic equipment manufacturing	<1	705	1,039	3,983
Motor vehicle transmission and power train parts manufacturing	<1	116	193	995
Motor vehicle seating and interior trim manufacturing	<1	27	34	206
Motor vehicle metal stamping	<1	2,391	3,234	10,796
Other motor vehicle parts manufacturing	<1	12,706	19,596	78,705
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	404	649	2,373
Aircraft manufacturing	<1	41	67	193
Aircraft engine and engine parts manufacturing	<1	1,033	1,963	5,213
Other aircraft parts and auxiliary equipment manufacturing	<1	55,495	70,498	157,428
Guided missile and space vehicle manufacturing	<1	149	207	482
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	617	781	1,629
Railroad rolling stock manufacturing	<1	5	5	25
Ship building and repairing	<1	2	3	8
Boat building	<1	262	362	1,439
Motorcycle, bicycle, and parts manufacturing	<1	460	1,287	3,924
Military armored vehicle, tank, and tank component manufacturing	<1	41	70	205
All other transportation equipment manufacturing	<1	139	246	1,020
Wood kitchen cabinet and countertop manufacturing	<1	3,348	5,789	12,527

Appendix

Upholstered household furniture manufacturing	<1	600	745	2,747
Nonupholstered wood household furniture manufacturing	<1	593	821	2,326
Other household nonupholstered furniture manufacturing	<1	166	411	1,290
Institutional furniture manufacturing	<1	18	21	67
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	73	71	212
Office furniture, except wood, manufacturing	<1	8	24	67
Showcase, partition, shelving, and locker manufacturing	<1	82	161	407
Mattress manufacturing	<1	1,116	3,093	9,422
Blind and shade manufacturing	<1	283	285	1,174
Surgical and medical instrument manufacturing	<1	2,426	3,834	8,270
Surgical appliance and supplies manufacturing	<1	743	1,477	3,371
Dental equipment and supplies manufacturing	<1	205	354	830
Ophthalmic goods manufacturing	<1	90	179	353
Dental laboratories	<1	835	960	1,819
Jewelry and silverware manufacturing	<1	1,261	2,095	5,682
Sporting and athletic goods manufacturing	<1	11,021	16,404	52,648
Doll, toy, and game manufacturing	<1	92	182	724
Office supplies (except paper) manufacturing	<1	1,049	1,676	4,978
Sign manufacturing	<1	1,081	1,018	2,522
Gasket, packing, and sealing device manufacturing	<1	572	648	1,605
Musical instrument manufacturing	<1	32	36	131
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	317	470	1,196
Burial casket manufacturing	<1	161	240	555
All other miscellaneous manufacturing	<1	1,465	2,086	5,888
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	9,981	19,195	45,586
Wholesale - Professional and commercial equipment and supplies	<1	33,458	49,469	91,744



Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	16,151	34,121	81,283
Wholesale - Machinery, equipment, and supplies	<1	22,568	38,381	74,187
Wholesale - Other durable goods merchant wholesalers	<1	40,132	66,980	147,208
Wholesale - Drugs and druggists'sundries	<1	23,405	48,872	128,983
Wholesale - Grocery and related product wholesalers	<1	27,723	38,825	84,058
Wholesale - Petroleum and petroleum products	<1	3,158	37,973	47,107
Wholesale - Other nondurable goods merchant wholesalers	<1	30,804	64,471	140,615
Wholesale - Wholesale electronic markets and agents and brokers	<1	33,291	36,831	43,912
Retail - Motor vehicle and parts dealers	<1	33,754	51,787	71,786
Retail - Furniture and home furnishings stores	<1	16,269	24,403	39,305
Retail - Electronics and appliance stores	<1	16,672	18,132	28,675
Retail - Building material and garden equipment and supplies stores	<1	16,143	36,423	49,993
Retail - Food and beverage stores	1	37,453	61,113	101,532
Retail - Health and personal care stores	<1	34,360	44,019	62,254
Retail - Gasoline stores	<1	15,807	40,472	72,248
Retail - Clothing and clothing accessories stores	<1	25,394	44,620	82,741
Retail - Sporting goods, hobby, musical instrument and book stores	<1	14,258	20,589	33,322
Retail - General merchandise stores	1	43,088	78,195	126,629
Retail - Miscellaneous store retailers	<1	38,648	39,442	57,970
Retail - Nonstore retailers	1	21,557	155,746	246,312
Air transportation	<1	36,249	90,645	169,293
Rail transportation	<1	5,658	18,759	33,768
Water transportation	<1	152	334	1,686
Truck transportation	<1	67,674	101,205	214,652
Transit and ground passenger transportation	<1	6,557	16,761	26,470
Pipeline transportation	<1	3,777	7,921	15,082
Scenic and sightseeing transportation and support activities for transportation	<1	75,685	66,180	90,150
Couriers and messengers	1	37,720	60,239	75,310

## Appendix

Warehousing and storage	<1	36,331	38,374	69,904
Newspaper publishers	<1	1,968	2,686	4,333
Periodical publishers	<1	1,098	1,313	2,563
Book publishers	<1	2,664	5,336	14,452
Directory, mailing list, and other publishers	<1	3,212	5,858	10,974
Greeting card publishing	<1	199	494	970
Software publishers	<1	140,440	213,273	307,213
Motion picture and video industries	<1	14,868	23,432	79,404
Sound recording industries	<1	553	3,825	8,839
Radio and television broadcasting	<1	20,351	36,728	90,725
Cable and other subscription programming	<1	2,933	25,075	52,838
Wired telecommunications carriers	<1	14,213	43,105	76,114
Wireless telecommunications carriers (except satellite)	<1	3,636	44,669	109,292
Satellite, telecommunications resellers, and all other telecommunications	<1	8,372	13,065	31,584
Data processing, hosting, and related services	<1	62,607	135,340	344,107
News syndicates, libraries, archives and all other information services	<1	2,163	3,410	7,979
Internet publishing and broadcasting and web search portals	<1	24,256	66,205	280,876
Nondepository credit intermediation and related activities	<1	75,108	80,723	130,145
Securities and commodity contracts intermediation and brokerage	1	46,331	36,848	141,559
Monetary authorities and depository credit intermediation	1	97,523	732,072	874,323
Other financial investment activities	1	34,112	39,368	179,053
Direct life insurance carriers	<1	7,417	17,771	25,453
Insurance carriers, except direct life	<1	41,206	165,886	337,967
Insurance agencies, brokerages, and related activities	<1	62,211	115,712	268,342
Funds, trusts, and other financial vehicles	<1	5,942	12,798	75,527
Other real estate	9	183,564	553,820	1,699,905
Tenant-occupied housing	<1	9,084	146,258	159,120
Owner-occupied dwellings	0	0	633,458	769,233

## Appendix

Automotive equipment rental and leasing	<1	16,354	27,119	36,151
General and consumer goods rental except video tapes and discs	<1	17,670	23,684	32,759
Video tape and disc rental	<1	2,596	4,346	7,319
Commercial and industrial machinery and equipment rental and leasing	<1	27,530	42,941	55,908
Lessors of nonfinancial intangible assets	<1	3,568	53,849	60,325
Legal services	2	190,220	239,388	370,312
Accounting, tax preparation, bookkeeping, and payroll services	1	74,609	99,586	166,698
Architectural, engineering, and related services	1	111,165	124,646	250,981
Specialized design services	<1	8,816	16,214	31,631
Custom computer programming services	<1	52,329	52,469	76,193
Computer systems design services	<1	28,615	28,363	36,997
Other computer related services, including facilities management	<1	26,280	37,626	70,682
Management consulting services	7	577,674	597,046	1,063,045
Environmental and other technical consulting services	<1	23,314	26,316	43,876
Scientific research and development services	36	3,302,120	4,315,830	8,700,260
Advertising, public relations, and related services	<1	44,344	74,204	163,985
Photographic services	<1	1,851	4,985	12,356
Veterinary services	<1	6,797	7,811	12,684
Marketing research and all other miscellaneous professional, scientific, and technical services	1	78,926	147,166	318,422
Management of companies and enterprises	3	265,900	285,941	601,746
Office administrative services	<1	77,579	24,610	73,426
Facilities support services	<1	3,547	4,716	13,212
Employment services	4	190,456	254,906	446,975
Business support services	<1	55,241	46,358	82,338
Travel arrangement and reservation services	<1	13,328	20,828	78,531
Investigation and security services	<1	25,454	25,715	36,646
Services to buildings	1	49,280	67,628	146,268
Landscape and horticultural services	<1	31,300	37,690	73,542
Other support services	<1	14,506	18,191	38,236
Waste management and remediation services	<1	14,164	24,314	51,475

## Appendix

Elementary and secondary schools	<1	21,770	18,364	23,032
Junior colleges, colleges, universities, and professional schools	17	650,697	835,152	1,235,435
Other educational services	<1	20,290	22,239	42,369
Offices of physicians	1	136,533	136,434	209,251
Offices of dentists	<1	36,587	41,542	63,163
Offices of other health practitioners	<1	25,965	35,394	49,407
Outpatient care centers	<1	17,739	17,300	29,600
Medical and diagnostic laboratories	<1	12,245	17,585	25,364
Home health care services	<1	29,068	28,643	37,253
Other ambulatory health care services	<1	9,307	10,457	16,563
Hospitals	2	163,593	193,401	363,263
Nursing and community care facilities	<1	17,842	20,121	35,090
Residential mental retardation, mental health, substance abuse and other facilities	<1	11,231	11,535	17,351
Individual and family services	1	34,130	30,030	43,496
Child day care services	<1	11,873	17,570	24,506
Community food, housing, and other relief services, including rehabilitation services	<1	7,164	6,680	15,479
Performing arts companies	<1	5,424	9,286	19,895
Commercial Sports Except Racing	<1	23,022	16,563	29,836
Racing and Track Operation	<1	875	1,346	2,706
Independent artists, writers, and performers	<1	6,324	17,087	26,777
Promoters of performing arts and sports and agents for public figures	<1	6,212	15,144	37,134
Museums, historical sites, zoos, and parks	<1	1,497	1,745	3,634
Amusement parks and arcades	<1	1,045	4,120	4,746
Gambling industries (except casino hotels)	<1	7,794	14,030	22,960
Other amusement and recreation industries	<1	10,162	12,610	17,523
Fitness and recreational sports centers	<1	3,934	6,156	10,831
Bowling centers	<1	858	1,394	2,371
Hotels and motels, including casino hotels	<1	9,395	18,549	29,195
Other accommodations	<1	2,525	3,203	4,440
Full-service restaurants	2	63,592	95,113	191,966
Limited-service restaurants	2	57,004	91,585	229,066

## Appendix

All other food and drinking places	2	53,262	79,026	135,634
Automotive repair and maintenance, except car washes	<1	59,133	79,605	110,897
Car washes	<1	32,646	50,062	73,864
Electronic and precision equipment repair and maintenance	<1	45,814	66,378	104,312
Commercial and industrial machinery and equipment repair and maintenance	1	80,460	92,764	144,470
Personal and household goods repair and maintenance	<1	5,181	19,953	24,386
Personal care services	<1	15,416	16,881	19,827
Death care services	<1	3,940	4,448	5,799
Dry-cleaning and laundry services	<1	9,008	9,949	12,136
Other personal services	<1	13,998	25,657	34,595
Religious organizations	<1	23,566	24,721	51,069
Grantmaking, giving, and social advocacy organizations	<1	3,571	33,058	38,111
Business and professional associations	<1	7,042	25,305	32,375
Labor and civic organizations	<1	3,300	28,563	34,683
Private households	<1	5,188	5,188	5,211
Postal service	<1	27,373	27,483	27,690
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,497	2,809	5,770
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	15,199	20,797	52,417
Local government passenger transit	<1	20,753	2,677	12,984
Local government electric utilities	<1	1,515	4,523	9,475
Other local government enterprises	<1	33,576	69,788	150,294
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0

Appendix

* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Vermont

## NASA

Table 760: Detailed NASA Impacts by Types of Impact, Vermont

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	38	3,195,887	4,912,155	9,159,297
Oilseed farming	<1	64	233	272
Grain farming	<1	539	2,288	2,870
Vegetable and melon farming	<1	1,191	3,143	3,315
Fruit farming	<1	460	909	927
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	305	819	868
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	859	2,104	2,296
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	839	3,534	4,568
Dairy cattle and milk production	<1	1,731	5,807	14,011
Poultry and egg production	<1	142	450	2,345
Animal production, except cattle and poultry and eggs	<1	1,194	3,099	3,552
Forestry, forest products, and timber tract production	<1	45	49	79
Commercial logging	<1	357	362	840
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	214	207	295
Support activities for agriculture and forestry	<1	2,689	2,642	3,174
Oil and gas extraction	<1	-10	-11	3,326
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	118	279	657
Other metal ore mining	<1	43	84	231
Stone mining and quarrying	<1	344	1,028	1,976
Sand and gravel mining	<1	269	450	942

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	10	14	28
Phosphate rock mining	<1	2	4	8
Other chemical and fertilizer mineral mining	<1	4	6	13
Other nonmetallic minerals	<1	86	141	282
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	0	0	21
Other nonmetallic minerals services	<1	<1	<1	5
Electric power generation - Hydroelectric	<1	366	914	2,007
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	<1	940	2,023	4,722
Electric power generation - Solar	<1	169	514	1,367
Electric power generation - Wind	<1	148	1,155	2,347
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	75	223	679
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	8,193	27,567	66,657
Natural gas distribution	<1	1,450	4,810	10,165
Water, sewage and other systems	<1	515	1,038	1,840
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0



## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,686	7,291	24,885
Maintenance and repair construction of residential structures	<1	3,938	4,662	13,650
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	13
Dog and cat food manufacturing	<1	8	13	173
Other animal food manufacturing	<1	565	725	9,108
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	144	195	2,062
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	9	10	93
Chocolate and confectionery manufacturing from cacao beans	<1	8	9	96
Confectionery manufacturing from purchased chocolate	<1	203	223	1,338
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	114	125	764
Canned fruits and vegetables manufacturing	<1	93	114	891
Canned specialties	<1	64	85	865
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	346	389	6,249
Dry, condensed, and evaporated dairy product manufacturing	<1	450	585	5,978
Fluid milk manufacturing	<1	866	976	8,833
Creamery butter manufacturing	<1	89	143	1,680
Ice cream and frozen dessert manufacturing	<1	267	294	1,579

## Appendix

Frozen cakes and other pastries manufacturing	<1	225	293	549
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	236	272	3,260
Meat processed from carcasses	<1	298	296	3,180
Rendering and meat byproduct processing	<1	6	8	42
Seafood product preparation and packaging	<1	39	41	489
Bread and bakery product, except frozen, manufacturing	<1	829	1,005	3,172
Cookie and cracker manufacturing	<1	231	257	1,330
Dry pasta, mixes, and dough manufacturing	<1	80	102	753
Tortilla manufacturing	<1	92	103	505
Roasted nuts and peanut butter manufacturing	<1	54	65	373
Other snack food manufacturing	<1	35	46	258
Coffee and tea manufacturing	<1	279	330	2,412
Flavoring syrup and concentrate manufacturing	<1	31	77	594
Mayonnaise, dressing, and sauce manufacturing	<1	3	4	44
Spice and extract manufacturing	<1	7	8	75
All other food manufacturing	<1	77	86	578
Bottled and canned soft drinks & water	<1	143	166	966
Manufactured ice	<1	31	17	85
Breweries	<1	1,026	1,418	5,072
Wineries	<1	878	990	3,835
Distilleries	<1	218	648	1,892
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	12	17	117
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	8	13	64
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3	4	24
Fabric coating mills	<1	36	45	226
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	3	4	14
Textile bag and canvas mills	<1	4	5	20
Rope, cordage, twine, tire cord and tire fabric mills	<1	7	11	42

## Appendix

Other textile product mills	<1	10	11	45
Hosiery and sock mills	<1	24	25	55
Other apparel knitting mills	<1	26	29	62
Cut and sew apparel contractors	<1	<1	<1	2
Men's and boys' cut and sew apparel manufacturing	<1	3	4	10
Women's and girls' cut and sew apparel manufacturing	<1	5	7	25
Other cut and sew apparel manufacturing	<1	2	3	8
Apparel accessories and other apparel manufacturing	<1	50	63	133
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	7
Sawmills	<1	386	635	3,233
Wood preservation	<1	26	65	359
Veneer and plywood manufacturing	<1	136	208	912
Engineered wood member and truss manufacturing	<1	5	8	33
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	787	995	3,374
Cut stock, resawing lumber, and planing	<1	45	81	354
Other millwork, including flooring	<1	257	376	1,367
Wood container and pallet manufacturing	<1	43	55	219
Manufactured home (mobile home) manufacturing	<1	0	<1	<1
Prefabricated wood building manufacturing	<1	62	93	323
All other miscellaneous wood product manufacturing	<1	153	199	800
Pulp mills	0	0	0	0
Paper mills	<1	147	197	1,033
Paperboard mills	<1	205	279	1,535
Paperboard container manufacturing	<1	37	46	273
Paper bag and coated and treated paper manufacturing	<1	21	26	125
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	3,383	3,748	9,414
Support activities for printing	<1	51	54	99
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	63	171	556
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	111	117	999
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	9	12	211
Plastics material and resin manufacturing	<1	61	72	895
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	12	13	87
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	10	10	75
Pesticide and other agricultural chemical manufacturing	<1	11	17	363
Medicinal and botanical manufacturing	<1	2	2	14
Pharmaceutical preparation manufacturing	<1	115	105	573
In-vitro diagnostic substance manufacturing	<1	10	9	31
Biological product (except diagnostic) manufacturing	<1	8	6	37
Paint and coating manufacturing	<1	1	1	18
Adhesive manufacturing	<1	2	1	13
Soap and other detergent manufacturing	<1	324	281	2,805
Polish and other sanitation good manufacturing	<1	34	28	129

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	115	89	681
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	18	19	152
Photographic film and chemical manufacturing	<1	22	22	142
Other miscellaneous chemical product manufacturing	<1	1	1	9
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	16	23	101
Unlaminated plastics profile shape manufacturing	<1	11	20	79
Plastics pipe and pipe fitting manufacturing	<1	7	17	75
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	6	10	46
Plastics bottle manufacturing	<1	5	7	33
Other plastics product manufacturing	<1	768	1,053	3,498
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	5	7	26
Other rubber product manufacturing	<1	41	50	181
Pottery, ceramics, and plumbing fixture manufacturing	<1	104	143	363
Brick, tile, and other structural clay product manufacturing	<1	65	91	260
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	270	385	1,238
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	32	49	199
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	332	456	1,721
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0

Appendix

Other concrete product manufacturing	<1	283	360	1,009
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	35	58	138
Cut stone and stone product manufacturing	<1	227	265	615
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	27	46	133
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	7	12	68
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	12	17	124
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	11	22	234
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	7	8	21
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	34	43	144
Iron and steel forging	<1	37	50	189
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	17	26	93
Handtool manufacturing	<1	32	46	145
Prefabricated metal buildings and components manufacturing	0	0	0	0

## Appendix

Fabricated structural metal manufacturing	<1	57	81	310
Plate work manufacturing	<1	42	51	178
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	90	116	353
Ornamental and architectural metal work manufacturing	<1	4	6	23
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	2	3	23
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	4
Machine shops	<1	409	478	1,126
Turned product and screw, nut, and bolt manufacturing	<1	16	19	52
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	24	36	129
Electroplating, anodizing, and coloring metal	<1	18	20	49
Valve and fittings, other than plumbing, manufacturing	<1	10	13	44
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	42	72	203
Fabricated pipe and pipe fitting manufacturing	<1	31	39	114
Other fabricated metal manufacturing	<1	66	88	320
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	1	2	4
Semiconductor machinery manufacturing	<1	11	15	48
Food product machinery manufacturing	<1	0	0	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	2
Printing machinery and equipment manufacturing	<1	1	1	4
All other industrial machinery manufacturing	<1	17	26	61
Optical instrument and lens manufacturing	<1	3	4	10
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	18	37	93
Air purification and ventilation equipment manufacturing	<1	1	2	6
Heating equipment (except warm air furnaces) manufacturing	<1	73	143	366
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5	10	34
Industrial mold manufacturing	<1	39	53	113
Special tool, die, jig, and fixture manufacturing	<1	7	11	19
Cutting tool and machine tool accessory manufacturing	<1	29	38	95
Machine tool manufacturing	<1	3	5	15
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	0	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	2	6
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0



## Appendix

Conveyor and conveying equipment manufacturing	<1	2	3	7
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	6	25	50
Welding and soldering equipment manufacturing	<1	<1	1	2
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	2	6	12
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	4	13
Electronic computer manufacturing	<1	7	9	32
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	7	10	44
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	2
Audio and video equipment manufacturing	<1	<1	<1	5
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	23	27	75
Semiconductor and related device manufacturing	<1	91	125	502
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	21	24	81
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	2

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	7	9	25
Industrial process variable instruments manufacturing	<1	<1	1	3
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	4	4	15
Irradiation apparatus manufacturing	<1	0	0	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	19	24	80
Blank magnetic and optical recording media manufacturing	<1	10	27	234
Software and other prerecorded and record reproducing	<1	4	5	22
Electric lamp bulb and part manufacturing	<1	6	7	27
Lighting fixture manufacturing	<1	37	42	178
Small electrical appliance manufacturing	<1	10	13	77
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	<1	3	3	11
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	19	6	77
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	10	12	68
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	28	35	146
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	12
Automobile manufacturing	<1	27	40	466
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	7
Motor vehicle body manufacturing	<1	<1	<1	2
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	196	263	1,492
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	48	58	375
Motor vehicle electrical and electronic equipment manufacturing	<1	112	127	641
Motor vehicle transmission and power train parts manufacturing	<1	118	137	793
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	467	544	2,959
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	14	18	63
Other aircraft parts and auxiliary equipment manufacturing	<1	5	5	14
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	<1	10	11	44
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1	2	11
Wood kitchen cabinet and countertop manufacturing	<1	36	39	117
Upholstered household furniture manufacturing	<1	14	15	72
Nonupholstered wood household furniture manufacturing	<1	152	161	516
Other household nonupholstered furniture manufacturing	<1	7	9	59
Institutional furniture manufacturing	<1	2	2	7
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	3	0	4
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	10	11	40
Mattress manufacturing	<1	6	8	40
Blind and shade manufacturing	<1	9	8	30
Surgical and medical instrument manufacturing	<1	105	162	409
Surgical appliance and supplies manufacturing	<1	25	48	145
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	14	26	56
Dental laboratories	<1	7	8	15
Jewelry and silverware manufacturing	<1	43	70	223
Sporting and athletic goods manufacturing	<1	117	173	560
Doll, toy, and game manufacturing	<1	152	286	1,444
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	105	100	267
Gasket, packing, and sealing device manufacturing	<1	57	65	152
Musical instrument manufacturing	<1	17	19	60
Fasteners, buttons, needles, and pins manufacturing	<1	49	56	124

## Appendix

Broom, brush, and mop manufacturing	<1	109	152	396
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	10	15	70
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,985	4,100	10,154
Wholesale - Professional and commercial equipment and supplies	<1	7,334	10,882	18,966
Wholesale - Household appliances and electrical and electronic goods	<1	2,135	4,663	11,658
Wholesale - Machinery, equipment, and supplies	<1	3,044	5,400	10,791
Wholesale - Other durable goods merchant wholesalers	<1	5,621	9,722	22,747
Wholesale - Drugs and druggistsâ€™ sundries	<1	4,953	11,141	32,591
Wholesale - Grocery and related product wholesalers	<1	4,944	7,120	15,580
Wholesale - Petroleum and petroleum products	<1	881	13,698	17,050
Wholesale - Other nondurable goods merchant wholesalers	<1	10,559	21,624	45,869
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,981	2,224	2,676
Retail - Motor vehicle and parts dealers	<1	9,156	12,726	18,113
Retail - Furniture and home furnishings stores	<1	4,330	5,854	9,520
Retail - Electronics and appliance stores	<1	3,310	3,359	5,677
Retail - Building material and garden equipment and supplies stores	<1	5,859	10,472	14,986
Retail - Food and beverage stores	<1	14,967	20,758	34,685
Retail - Health and personal care stores	<1	7,095	8,779	13,092
Retail - Gasoline stores	<1	4,462	9,242	18,139
Retail - Clothing and clothing accessories stores	<1	4,912	7,454	14,984
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,957	5,343	8,871
Retail - General merchandise stores	<1	6,265	9,797	16,439
Retail - Miscellaneous store retailers	<1	8,991	9,112	15,467
Retail - Nonstore retailers	<1	8,399	39,099	64,191
Air transportation	<1	818	3,146	6,028

## Appendix

Rail transportation	<1	821	1,336	3,958
Water transportation	<1	767	1,794	7,221
Truck transportation	<1	9,692	13,762	28,200
Transit and ground passenger transportation	<1	5,681	6,721	8,622
Pipeline transportation	<1	235	611	1,151
Scenic and sightseeing transportation and support activities for transportation	<1	7,198	5,994	9,947
Couriers and messengers	<1	5,847	9,777	11,341
Warehousing and storage	<1	3,538	3,822	7,264
Newspaper publishers	<1	2,358	3,423	5,673
Periodical publishers	<1	1,703	2,165	4,410
Book publishers	<1	1,240	2,587	7,256
Directory, mailing list, and other publishers	<1	97	190	401
Greeting card publishing	<1	36	92	134
Software publishers	<1	64,621	110,429	171,501
Motion picture and video industries	<1	2,105	3,157	10,260
Sound recording industries	<1	183	1,031	2,554
Radio and television broadcasting	<1	7,665	10,865	36,460
Cable and other subscription programming	<1	896	4,945	14,318
Wired telecommunications carriers	<1	4,876	9,340	18,354
Wireless telecommunications carriers (except satellite)	<1	488	3,396	10,492
Satellite, telecommunications resellers, and all other telecommunications	<1	571	601	1,522
Data processing, hosting, and related services	<1	7,775	14,675	45,358
News syndicates, libraries, archives and all other information services	<1	1,248	1,960	6,701
Internet publishing and broadcasting and web search portals	<1	4,927	12,749	58,697
Nondepository credit intermediation and related activities	<1	5,273	5,793	8,799
Securities and commodity contracts intermediation and brokerage	<1	16,739	10,865	23,238
Monetary authorities and depository credit intermediation	<1	33,796	85,136	142,457

Appendix

Other financial investment activities	<1	15,223	16,128	38,472
Direct life insurance carriers	<1	7,651	17,969	22,634
Insurance carriers, except direct life	<1	9,358	37,064	63,971
Insurance agencies, brokerages, and related activities	<1	11,582	20,826	42,314
Funds, trusts, and other financial vehicles	<1	3,790	3,452	17,163
Other real estate	2	45,796	138,145	338,899
Tenant-occupied housing	<1	4,221	41,447	44,856
Owner-occupied dwellings	0	0	260,181	313,995
Automotive equipment rental and leasing	<1	1,255	5,171	7,058
General and consumer goods rental except video tapes and discs	<1	2,059	4,215	6,595
Video tape and disc rental	<1	713	1,308	2,201
Commercial and industrial machinery and equipment rental and leasing	<1	1,299	3,767	5,155
Lessors of nonfinancial intangible assets	<1	287	4,938	5,385
Legal services	<1	50,105	80,462	117,421
Accounting, tax preparation, bookkeeping, and payroll services	<1	16,937	24,839	37,708
Architectural, engineering, and related services	<1	27,934	32,481	61,109
Specialized design services	<1	1,758	3,768	6,226
Custom computer programming services	<1	11,524	11,134	16,101
Computer systems design services	<1	7,969	7,319	9,723
Other computer related services, including facilities management	<1	5,223	6,430	12,835
Management consulting services	<1	58,110	60,919	98,996
Environmental and other technical consulting services	<1	73,095	82,360	128,319
Scientific research and development services	9	802,289	966,911	2,097,027
Advertising, public relations, and related services	<1	10,435	20,867	41,247
Photographic services	<1	307	1,034	2,154
Veterinary services	<1	4,097	4,961	7,545
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	18,947	40,355	75,842
Management of companies and enterprises	<1	41,676	42,432	68,524

## Appendix

Office administrative services	<1	19,526	11,946	25,129
Facilities support services	<1	1,328	1,930	5,419
Employment services	<1	53,196	77,803	116,860
Business support services	<1	5,708	5,323	9,063
Travel arrangement and reservation services	<1	2,934	5,112	15,947
Investigation and security services	<1	3,285	3,356	4,807
Services to buildings	<1	5,845	8,822	18,654
Landscape and horticultural services	<1	6,024	7,699	14,910
Other support services	<1	2,937	3,901	8,058
Waste management and remediation services	<1	4,741	9,191	16,710
Elementary and secondary schools	<1	13,453	9,750	11,902
Junior colleges, colleges, universities, and professional schools	<1	20,293	24,602	35,172
Other educational services	<1	36,107	40,811	78,262
Offices of physicians	<1	38,420	38,854	55,321
Offices of dentists	<1	12,202	14,362	19,134
Offices of other health practitioners	<1	10,047	14,692	18,733
Outpatient care centers	<1	15,261	15,142	25,984
Medical and diagnostic laboratories	<1	720	1,120	1,544
Home health care services	<1	13,981	13,942	17,107
Other ambulatory health care services	<1	3,770	4,404	7,326
Hospitals	1	103,754	122,379	222,978
Nursing and community care facilities	<1	13,685	14,743	22,789
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,108	5,280	7,374
Individual and family services	<1	32,950	28,572	39,913
Child day care services	<1	9,241	12,831	16,668
Community food, housing, and other relief services, including rehabilitation services	<1	5,838	5,568	11,136
Performing arts companies	<1	2,516	3,992	8,531
Commercial Sports Except Racing	<1	1,500	1,673	2,694
Racing and Track Operation	<1	522	682	1,296
Independent artists, writers, and performers	<1	3,053	6,663	12,319



## Appendix

Promoters of performing arts and sports and agents for public figures	<1	3,022	6,023	16,516
Museums, historical sites, zoos, and parks	<1	1,630	2,098	3,605
Amusement parks and arcades	<1	69	241	283
Gambling industries (except casino hotels)	<1	3,828	13,284	17,455
Other amusement and recreation industries	<1	3,311	5,005	6,580
Fitness and recreational sports centers	<1	1,582	3,072	4,439
Bowling centers	<1	481	915	1,236
Hotels and motels, including casino hotels	<1	1,333	3,735	5,119
Other accommodations	<1	440	560	760
Full-service restaurants	<1	30,860	38,942	71,309
Limited-service restaurants	<1	17,693	24,726	51,490
All other food and drinking places	<1	16,875	28,948	40,996
Automotive repair and maintenance, except car washes	<1	20,458	20,545	30,486
Car washes	<1	8,811	12,544	18,137
Electronic and precision equipment repair and maintenance	<1	3,739	4,580	7,579
Commercial and industrial machinery and equipment repair and maintenance	<1	3,609	4,035	6,180
Personal and household goods repair and maintenance	<1	1,824	3,107	4,556
Personal care services	<1	6,262	3,842	4,724
Death care services	<1	1,433	998	1,402
Dry-cleaning and laundry services	<1	1,757	1,132	1,483
Other personal services	<1	4,097	5,101	7,191
Religious organizations	<1	3,938	1,239	5,867
Grantmaking, giving, and social advocacy organizations	<1	9,600	21,931	34,449
Business and professional associations	<1	4,128	5,738	10,722
Labor and civic organizations	<1	3,781	8,494	17,698
Private households	<1	3,315	3,315	3,315
Postal service	<1	7,655	7,689	7,692
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	99	101	232
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	9,586	10,328	19,804
Local government passenger transit	<1	2,154	169	784
Local government electric utilities	<1	946	2,477	5,140
Other local government enterprises	<1	3,448	3,991	12,989
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	961,525	1,540,342	2,818,790

## Moon to Mars Campaign

**Table 761: Detailed M2M Campaign Impacts by Types of Impact, Vermont**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	3	240,719	408,999	700,386
Oilseed farming	<1	5	21	24
Grain farming	<1	26	142	142
Vegetable and melon farming	<1	87	241	246
Fruit farming	<1	39	79	77
Tree nut farming	<1	0	0	<1
Greenhouse, nursery, and floriculture production	<1	20	56	57
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	46	120	127
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	36	172	193
Dairy cattle and milk production	<1	129	471	1,036
Poultry and egg production	<1	9	29	141
Animal production, except cattle and poultry and eggs	<1	38	111	123
Forestry, forest products, and timber tract production	<1	2	2	3
Commercial logging	<1	20	21	47
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	20	13	18
Support activities for agriculture and forestry	<1	83	82	98
Oil and gas extraction	<1	0	-1	175
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	<1	<1	1
Other metal ore mining	<1	<1	1	3
Stone mining and quarrying	<1	13	39	74
Sand and gravel mining	<1	6	10	21
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	<1	<1	2
Phosphate rock mining	<1	0	<1	<1
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	2	2	5
Drilling oil and gas wells	0	0	0	0
Support activities for oil and gas operations	0	0	0	0
Metal mining services	<1	0	0	<1
Other nonmetallic minerals services	<1	0	0	<1
Electric power generation - Hydroelectric	<1	26	65	140

## Appendix

Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	<1	71	153	354
Electric power generation - Solar	<1	12	36	95
Electric power generation - Wind	<1	7	57	114
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	5	16	49
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	512	1,646	3,965
Natural gas distribution	<1	105	338	699
Water, sewage and other systems	<1	37	72	126
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	298	336	1,109
Maintenance and repair construction of residential structures	<1	284	345	983
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	<1	<1	12
Other animal food manufacturing	<1	28	37	458
Flour milling	0	0	0	0

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	11	14	149
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	7
Chocolate and confectionery manufacturing from cacao beans	<1	1	1	11
Confectionery manufacturing from purchased chocolate	<1	15	17	100
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	8	9	53
Canned fruits and vegetables manufacturing	<1	8	9	74
Canned specialties	<1	4	6	59
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	33	37	599
Dry, condensed, and evaporated dairy product manufacturing	<1	32	41	424
Fluid milk manufacturing	<1	68	79	702
Creamery butter manufacturing	<1	7	10	121
Ice cream and frozen dessert manufacturing	<1	19	21	111
Frozen cakes and other pastries manufacturing	<1	17	22	40
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	14	17	204
Meat processed from carcasses	<1	20	20	219
Rendering and meat byproduct processing	<1	<1	<1	3
Seafood product preparation and packaging	<1	2	3	31
Bread and bakery product, except frozen, manufacturing	<1	60	74	231
Cookie and cracker manufacturing	<1	18	21	102
Dry pasta, mixes, and dough manufacturing	<1	6	8	61
Tortilla manufacturing	<1	6	7	33

## Appendix

Roasted nuts and peanut butter manufacturing	<1	4	5	28
Other snack food manufacturing	<1	2	3	18
Coffee and tea manufacturing	<1	20	25	177
Flavoring syrup and concentrate manufacturing	<1	2	5	36
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	3
Spice and extract manufacturing	<1	<1	<1	6
All other food manufacturing	<1	6	7	47
Bottled and canned soft drinks & water	<1	9	11	63
Manufactured ice	<1	2	1	6
Breweries	<1	74	107	378
Wineries	<1	82	92	341
Distilleries	<1	14	45	127
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	9
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	0	0	3
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	0	2
Fabric coating mills	<1	3	4	18
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	1
Textile bag and canvas mills	<1	<1	<1	1
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	1
Other textile product mills	<1	<1	1	4
Hosiery and sock mills	<1	2	2	4
Other apparel knitting mills	<1	2	2	4
Cut and sew apparel contractors	0	0	0	0
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	4	5	11
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	0	0	<1

## Appendix

Sawmills	<1	19	32	162
Wood preservation	<1	1	3	18
Veneer and plywood manufacturing	<1	7	11	50
Engineered wood member and truss manufacturing	<1	<1	<1	2
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	30	37	126
Cut stock, resawing lumber, and planing	<1	2	4	18
Other millwork, including flooring	<1	12	17	61
Wood container and pallet manufacturing	<1	3	4	18
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	3	5	18
All other miscellaneous wood product manufacturing	<1	11	14	54
Pulp mills	0	0	0	0
Paper mills	<1	10	12	69
Paperboard mills	<1	31	38	227
Paperboard container manufacturing	<1	3	4	24
Paper bag and coated and treated paper manufacturing	<1	2	2	12
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	502	568	1,387
Support activities for printing	<1	5	6	10
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	3	9	30
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	4	4	36

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	<1	<1	12
Plastics material and resin manufacturing	<1	2	3	36
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	4
Pesticide and other agricultural chemical manufacturing	<1	<1	1	22
Medicinal and botanical manufacturing	<1	0	0	1
Pharmaceutical preparation manufacturing	<1	9	10	49
In-vitro diagnostic substance manufacturing	<1	1	1	4
Biological product (except diagnostic) manufacturing	<1	0	0	3
Paint and coating manufacturing	<1	0	0	1
Adhesive manufacturing	<1	0	0	1
Soap and other detergent manufacturing	<1	20	19	176
Polish and other sanitation good manufacturing	<1	2	2	7
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	8	7	52
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	7	9	66
Photographic film and chemical manufacturing	<1	2	2	11
Other miscellaneous chemical product manufacturing	<1	<1	<1	<1
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1	2	10
Unlaminated plastics profile shape manufacturing	<1	<1	2	6
Plastics pipe and pipe fitting manufacturing	<1	<1	<1	3



## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	<1	3
Plastics bottle manufacturing	<1	<1	<1	4
Other plastics product manufacturing	<1	66	93	298
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	<1
Other rubber product manufacturing	<1	<1	<1	3
Pottery, ceramics, and plumbing fixture manufacturing	<1	6	8	21
Brick, tile, and other structural clay product manufacturing	<1	3	4	12
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	5	7	22
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	<1	1	5
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	12	16	61
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	11	14	41
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	2	3	8
Cut stone and stone product manufacturing	<1	11	12	29
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	<1	2
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	3

## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	0	<1	8
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	0	0	10
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	0	0	1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	2	3	9
Iron and steel forging	<1	<1	2	6
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	1	2	7
Handtool manufacturing	<1	2	3	10
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	2	3	10
Plate work manufacturing	<1	2	2	8
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	4	5	14
Ornamental and architectural metal work manufacturing	<1	<1	<1	<1
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	0	<1	2
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	0	0	<1

## Appendix

Machine shops	<1	24	28	66
Turned product and screw, nut, and bolt manufacturing	<1	2	3	7
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	10	15	55
Electroplating, anodizing, and coloring metal	<1	7	8	21
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	3
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3	5	15
Fabricated pipe and pipe fitting manufacturing	<1	1	2	4
Other fabricated metal manufacturing	<1	5	7	25
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	0	0	<1
Semiconductor machinery manufacturing	<1	1	2	5
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	1	3
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	1	3	7

Appendix

Air purification and ventilation equipment manufacturing	<1	0	0	<1
Heating equipment (except warm air furnaces) manufacturing	<1	4	9	21
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	<1	<1	2
Industrial mold manufacturing	<1	<1	1	3
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	<1
Cutting tool and machine tool accessory manufacturing	<1	4	5	12
Machine tool manufacturing	<1	0	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	0	0	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	<1	3	5
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	0	<1	<1

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	1	1	4
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	1	5
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	16	19	54
Semiconductor and related device manufacturing	<1	11	15	62
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	14	16	51
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	0	0	1
Industrial process variable instruments manufacturing	<1	0	0	<1
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	0	<1	1
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	2	3	8
Blank magnetic and optical recording media manufacturing	<1	3	7	60
Software and other prerecorded and record reproducing	<1	<1	<1	3
Electric lamp bulb and part manufacturing	<1	<1	<1	2
Lighting fixture manufacturing	<1	1	2	9
Small electrical appliance manufacturing	<1	<1	<1	6
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	2	<1	6
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	<1	<1	3
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	<1	1	4
All other miscellaneous electrical equipment and component manufacturing	<1	0	0	<1
Automobile manufacturing	<1	2	2	29
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	0	0	<1
Motor vehicle body manufacturing	<1	0	0	<1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	9	13	69
Travel trailer and camper manufacturing	0	0	0	0

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	3	3	20
Motor vehicle electrical and electronic equipment manufacturing	<1	5	6	29
Motor vehicle transmission and power train parts manufacturing	<1	7	9	47
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	27	32	175
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	<1	<1	2
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	<1	<1	<1	3
Motorcycle, bicycle, and parts manufacturing	<1	0	0	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	0	0	<1
Wood kitchen cabinet and countertop manufacturing	<1	2	2	7
Upholstered household furniture manufacturing	<1	1	1	6
Nonupholstered wood household furniture manufacturing	<1	11	12	37
Other household nonupholstered furniture manufacturing	<1	<1	<1	4
Institutional furniture manufacturing	<1	0	0	<1
Wood office furniture manufacturing	<1	0	0	<1

## Appendix

Custom architectural woodwork and millwork	<1	<1	0	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	1	1	4
Mattress manufacturing	<1	<1	<1	3
Blind and shade manufacturing	<1	<1	<1	2
Surgical and medical instrument manufacturing	<1	12	19	46
Surgical appliance and supplies manufacturing	<1	2	3	11
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	2	4
Dental laboratories	<1	<1	<1	1
Jewelry and silverware manufacturing	<1	3	5	16
Sporting and athletic goods manufacturing	<1	8	13	40
Doll, toy, and game manufacturing	<1	19	36	172
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	16	16	41
Gasket, packing, and sealing device manufacturing	<1	3	4	8
Musical instrument manufacturing	<1	2	2	6
Fasteners, buttons, needles, and pins manufacturing	<1	4	4	10
Broom, brush, and mop manufacturing	<1	9	14	34
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	4
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	129	266	662
Wholesale - Professional and commercial equipment and supplies	<1	1,134	1,693	2,929
Wholesale - Household appliances and electrical and electronic goods	<1	234	511	1,277
Wholesale - Machinery, equipment, and supplies	<1	134	238	476
Wholesale - Other durable goods merchant wholesalers	<1	363	630	1,474



Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	335	746	2,167
Wholesale - Grocery and related product wholesalers	<1	340	486	1,065
Wholesale - Petroleum and petroleum products	<1	54	984	1,197
Wholesale - Other nondurable goods merchant wholesalers	<1	731	1,553	3,235
Wholesale - Wholesale electronic markets and agents and brokers	<1	158	177	212
Retail - Motor vehicle and parts dealers	<1	623	871	1,234
Retail - Furniture and home furnishings stores	<1	307	418	675
Retail - Electronics and appliance stores	<1	235	241	400
Retail - Building material and garden equipment and supplies stores	<1	391	703	1,000
Retail - Food and beverage stores	<1	1,102	1,530	2,535
Retail - Health and personal care stores	<1	507	629	928
Retail - Gasoline stores	<1	317	642	1,234
Retail - Clothing and clothing accessories stores	<1	354	537	1,061
Retail - Sporting goods, hobby, musical instrument and book stores	<1	285	385	630
Retail - General merchandise stores	<1	436	686	1,140
Retail - Miscellaneous store retailers	<1	639	652	1,088
Retail - Nonstore retailers	<1	583	2,784	4,572
Air transportation	<1	58	229	432
Rail transportation	<1	50	75	233
Water transportation	<1	38	91	348
Truck transportation	<1	651	918	1,866
Transit and ground passenger transportation	<1	559	658	781
Pipeline transportation	<1	11	32	62
Scenic and sightseeing transportation and support activities for transportation	<1	250	205	339
Couriers and messengers	<1	460	752	873
Warehousing and storage	<1	325	352	666
Newspaper publishers	<1	380	600	944
Periodical publishers	<1	268	386	717
Book publishers	<1	88	209	549

## Appendix

Directory, mailing list, and other publishers	<1	11	24	50
Greeting card publishing	<1	2	7	10
Software publishers	<1	66,953	123,025	187,905
Motion picture and video industries	<1	262	397	1,218
Sound recording industries	<1	20	116	273
Radio and television broadcasting	<1	1,293	1,851	5,782
Cable and other subscription programming	<1	152	878	2,408
Wired telecommunications carriers	<1	452	910	1,752
Wireless telecommunications carriers (except satellite)	<1	45	349	1,019
Satellite, telecommunications resellers, and all other telecommunications	<1	72	76	195
Data processing, hosting, and related services	<1	784	1,484	4,490
News syndicates, libraries, archives and all other information services	<1	124	198	639
Internet publishing and broadcasting and web search portals	<1	613	1,601	7,160
Nondepository credit intermediation and related activities	<1	383	422	626
Securities and commodity contracts intermediation and brokerage	<1	1,208	769	1,524
Monetary authorities and depository credit intermediation	<1	1,659	4,514	7,270
Other financial investment activities	<1	1,267	1,342	2,912
Direct life insurance carriers	<1	495	1,172	1,458
Insurance carriers, except direct life	<1	583	2,308	3,914
Insurance agencies, brokerages, and related activities	<1	668	1,194	2,405
Funds, trusts, and other financial vehicles	<1	298	281	1,262
Other real estate	<1	1,936	5,449	12,849
Tenant-occupied housing	<1	327	3,170	3,407
Owner-occupied dwellings	0	0	19,048	22,987
Automotive equipment rental and leasing	<1	80	342	457

Appendix

General and consumer goods rental except video tapes and discs	<1	140	287	445
Video tape and disc rental	<1	50	92	154
Commercial and industrial machinery and equipment rental and leasing	<1	95	280	381
Lessors of nonfinancial intangible assets	<1	17	311	338
Legal services	<1	1,878	3,097	4,452
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,500	2,240	3,333
Architectural, engineering, and related services	<1	312	366	678
Specialized design services	<1	119	262	418
Custom computer programming services	<1	921	887	1,278
Computer systems design services	<1	732	674	888
Other computer related services, including facilities management	<1	442	542	1,073
Management consulting services	<1	2,252	2,366	3,776
Environmental and other technical consulting services	<1	728	865	1,355
Scientific research and development services	<1	1,132	1,362	2,876
Advertising, public relations, and related services	<1	1,873	3,792	7,342
Photographic services	<1	20	71	140
Veterinary services	<1	294	360	538
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	353	777	1,416
Management of companies and enterprises	<1	2,617	2,683	4,267
Office administrative services	<1	2,752	1,823	3,513
Facilities support services	<1	168	250	671
Employment services	<1	5,322	7,942	11,426
Business support services	<1	343	324	532
Travel arrangement and reservation services	<1	173	302	896
Investigation and security services	<1	356	364	511
Services to buildings	<1	349	536	1,098
Landscape and horticultural services	<1	375	483	913
Other support services	<1	391	525	1,058
Waste management and remediation services	<1	225	435	788

## Appendix

Elementary and secondary schools	<1	1,103	793	959
Junior colleges, colleges, universities, and professional schools	<1	2,077	2,508	3,478
Other educational services	<1	501	567	1,080
Offices of physicians	<1	2,723	2,759	3,920
Offices of dentists	<1	884	1,058	1,400
Offices of other health practitioners	<1	699	1,055	1,335
Outpatient care centers	<1	1,159	1,155	1,982
Medical and diagnostic laboratories	<1	53	85	116
Home health care services	<1	1,038	1,038	1,272
Other ambulatory health care services	<1	272	323	531
Hospitals	<1	8,080	9,608	17,486
Nursing and community care facilities	<1	1,064	1,147	1,741
Residential mental retardation, mental health, substance abuse and other facilities	<1	423	437	602
Individual and family services	<1	2,666	2,349	3,237
Child day care services	<1	699	1,015	1,291
Community food, housing, and other relief services, including rehabilitation services	<1	503	482	935
Performing arts companies	<1	217	339	688
Commercial Sports Except Racing	<1	166	194	304
Racing and Track Operation	<1	42	53	97
Independent artists, writers, and performers	<1	303	636	1,149
Promoters of performing arts and sports and agents for public figures	<1	293	557	1,436
Museums, historical sites, zoos, and parks	<1	131	168	281
Amusement parks and arcades	<1	6	19	23
Gambling industries (except casino hotels)	<1	298	1,061	1,372
Other amusement and recreation industries	<1	245	374	484
Fitness and recreational sports centers	<1	126	249	350
Bowling centers	<1	35	67	89
Hotels and motels, including casino hotels	<1	110	298	408
Other accommodations	<1	39	49	66

## Appendix

Full-service restaurants	<1	2,161	2,722	4,930
Limited-service restaurants	<1	1,274	1,776	3,619
All other food and drinking places	<1	1,047	1,779	2,483
Automotive repair and maintenance, except car washes	<1	1,599	1,558	2,308
Car washes	<1	649	924	1,329
Electronic and precision equipment repair and maintenance	<1	188	231	375
Commercial and industrial machinery and equipment repair and maintenance	<1	310	343	519
Personal and household goods repair and maintenance	<1	132	212	314
Personal care services	<1	466	256	321
Death care services	<1	112	71	101
Dry-cleaning and laundry services	<1	98	57	76
Other personal services	<1	241	292	411
Religious organizations	<1	343	94	479
Grantmaking, giving, and social advocacy organizations	<1	892	1,757	2,811
Business and professional associations	<1	299	378	708
Labor and civic organizations	<1	328	639	1,361
Private households	<1	252	252	252
Postal service	<1	535	537	537
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	7	9	18
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	379	385	728
Local government passenger transit	<1	185	8	53
Local government electric utilities	<1	56	132	276
Other local government enterprises	<1	201	193	681
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	81,210	130,029	237,950

## Investments in Climate Change Research and Technology

**Table 762: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	8	547,901	804,306	1,575,660
Oilseed farming	<1	10	33	39
Grain farming	<1	109	443	560
Vegetable and melon farming	<1	201	528	551
Fruit farming	<1	75	148	153
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	60	162	173
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	190	466	510
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	282	1,072	1,337
Dairy cattle and milk production	<1	304	993	2,464
Poultry and egg production	<1	33	98	560
Animal production, except cattle and poultry and eggs	<1	337	785	873
Forestry, forest products, and timber tract production	<1	12	13	22

## Appendix

Commercial logging	<1	88	92	216
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	35	40	59
Support activities for agriculture and forestry	<1	860	847	999
Oil and gas extraction	<1	-2	-3	864
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	60	171	386
Other metal ore mining	<1	16	32	87
Stone mining and quarrying	<1	80	272	514
Sand and gravel mining	<1	76	134	280
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	2	3	6
Phosphate rock mining	<1	<1	<1	2
Other chemical and fertilizer mineral mining	<1	1	2	4
Other nonmetallic minerals	<1	29	49	96
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	0	0	<1
Metal mining services	<1	0	0	8
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	64	161	349
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	<1	232	519	1,240
Electric power generation - Solar	<1	34	106	286
Electric power generation - Wind	<1	42	364	757
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	12	35	106
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,794	6,342	15,462

Appendix

Natural gas distribution	<1	262	893	1,920
Water, sewage and other systems	<1	106	223	409
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,746	1,892	6,583
Maintenance and repair construction of residential structures	<1	681	807	2,418
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	1	2	30
Other animal food manufacturing	<1	146	185	2,362
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	16	21	236
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	16



## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	<1	1	13
Confectionery manufacturing from purchased chocolate	<1	40	44	255
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	22	24	148
Canned fruits and vegetables manufacturing	<1	17	20	158
Canned specialties	<1	16	21	210
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	48	55	892
Dry, condensed, and evaporated dairy product manufacturing	<1	96	127	1,296
Fluid milk manufacturing	<1	147	167	1,514
Creamery butter manufacturing	<1	18	30	345
Ice cream and frozen dessert manufacturing	<1	49	54	299
Frozen cakes and other pastries manufacturing	<1	42	54	104
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	46	53	630
Meat processed from carcasses	<1	59	59	631
Rendering and meat byproduct processing	<1	1	2	9
Seafood product preparation and packaging	<1	8	8	103
Bread and bakery product, except frozen, manufacturing	<1	151	184	583
Cookie and cracker manufacturing	<1	41	45	250
Dry pasta, mixes, and dough manufacturing	<1	12	16	115
Tortilla manufacturing	<1	17	19	95
Roasted nuts and peanut butter manufacturing	<1	10	12	70
Other snack food manufacturing	<1	7	9	51
Coffee and tea manufacturing	<1	49	59	428
Flavoring syrup and concentrate manufacturing	<1	9	21	163
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	9
Spice and extract manufacturing	<1	1	2	14
All other food manufacturing	<1	12	14	95
Bottled and canned soft drinks & water	<1	29	34	196
Manufactured ice	<1	6	3	16

## Appendix

Breweries	<1	169	236	838
Wineries	<1	155	179	698
Distilleries	<1	48	130	382
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	3	18
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	2	2	13
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	5
Fabric coating mills	<1	5	6	36
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	3
Textile bag and canvas mills	<1	1	1	5
Rope, cordage, twine, tire cord and tire fabric mills	<1	2	3	13
Other textile product mills	<1	2	2	10
Hosiery and sock mills	<1	4	5	10
Other apparel knitting mills	<1	6	7	15
Cut and sew apparel contractors	<1	<1	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	2
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	4
Other cut and sew apparel manufacturing	<1	<1	<1	1
Apparel accessories and other apparel manufacturing	<1	9	11	25
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	1
Sawmills	<1	105	174	877
Wood preservation	<1	8	19	103
Veneer and plywood manufacturing	<1	39	60	263
Engineered wood member and truss manufacturing	<1	1	2	8
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	231	295	1,012
Cut stock, resawing lumber, and planing	<1	11	21	90

## Appendix

Other millwork, including flooring	<1	67	101	366
Wood container and pallet manufacturing	<1	8	11	44
Manufactured home (mobile home) manufacturing	<1	0	0	<1
Prefabricated wood building manufacturing	<1	13	20	68
All other miscellaneous wood product manufacturing	<1	33	45	181
Pulp mills	0	0	0	0
Paper mills	<1	27	43	210
Paperboard mills	<1	67	98	510
Paperboard container manufacturing	<1	8	10	59
Paper bag and coated and treated paper manufacturing	<1	5	6	31
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	698	760	2,002
Support activities for printing	<1	10	10	19
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	15	40	135
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	37	37	320
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	4	4	71
Plastics material and resin manufacturing	<1	23	24	298
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	2	2	21
Nitrogenous fertilizer manufacturing	0	0	0	0

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3	3	21
Pesticide and other agricultural chemical manufacturing	<1	3	4	94
Medicinal and botanical manufacturing	<1	<1	<1	3
Pharmaceutical preparation manufacturing	<1	20	17	99
In-vitro diagnostic substance manufacturing	<1	2	1	5
Biological product (except diagnostic) manufacturing	<1	2	2	8
Paint and coating manufacturing	<1	<1	<1	4
Adhesive manufacturing	<1	<1	<1	3
Soap and other detergent manufacturing	<1	73	61	636
Polish and other sanitation good manufacturing	<1	9	7	33
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	23	17	132
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	2	2	18
Photographic film and chemical manufacturing	<1	5	6	36
Other miscellaneous chemical product manufacturing	<1	<1	<1	3
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4	5	24
Unlaminated plastics profile shape manufacturing	<1	3	6	22
Plastics pipe and pipe fitting manufacturing	<1	2	5	20
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	2	2	12
Plastics bottle manufacturing	<1	<1	1	7
Other plastics product manufacturing	<1	179	243	831
Tire manufacturing	0	0	0	0

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	1	2	8
Other rubber product manufacturing	<1	14	18	65
Pottery, ceramics, and plumbing fixture manufacturing	<1	20	28	70
Brick, tile, and other structural clay product manufacturing	<1	16	23	63
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	69	98	312
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	8	13	50
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	92	128	476
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	80	104	285
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	8	14	32
Cut stone and stone product manufacturing	<1	51	61	140
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	6	10	30
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	2	4	20
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	3	4	30
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	2	7	70
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	1	2	5
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	8	10	34
Iron and steel forging	<1	12	15	61
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	3	4	15
Handtool manufacturing	<1	7	10	32
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	19	27	106
Plate work manufacturing	<1	13	15	55
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	24	30	96
Ornamental and architectural metal work manufacturing	<1	1	2	6
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	<1	<1	4
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	1
Machine shops	<1	101	118	280
Turned product and screw, nut, and bolt manufacturing	<1	3	4	10
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	4	6	21
Electroplating, anodizing, and coloring metal	<1	3	4	9
Valve and fittings, other than plumbing, manufacturing	<1	3	4	12
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	8	13	38
Fabricated pipe and pipe fitting manufacturing	<1	9	11	33
Other fabricated metal manufacturing	<1	16	21	76
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	<1	3	5	15
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	0	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	3	5	11
Optical instrument and lens manufacturing	<1	<1	2	4
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	4	9	21
Air purification and ventilation equipment manufacturing	<1	<1	<1	2
Heating equipment (except warm air furnaces) manufacturing	<1	15	31	79
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1	3	9
Industrial mold manufacturing	<1	9	13	30
Special tool, die, jig, and fixture manufacturing	<1	1	2	3

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	6	8	19
Machine tool manufacturing	<1	<1	<1	1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	0	0	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	1	5	9
Welding and soldering equipment manufacturing	<1	0	0	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	<1	2	4
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	1	3
Electronic computer manufacturing	<1	1	2	6
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	1	2	9
Telephone apparatus manufacturing	0	0	0	0



## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	0	0	<1
Audio and video equipment manufacturing	<1	0	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	3	3	9
Semiconductor and related device manufacturing	<1	17	22	99
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	2	8
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	0	0	<1
Electromedical and electrotherapeutic apparatus manufacturing	<1	0	0	<1
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	<1	1	2	5
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	<1	3
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	4	5	16
Blank magnetic and optical recording media manufacturing	<1	2	5	42
Software and other prerecorded and record reproducing	<1	<1	<1	4
Electric lamp bulb and part manufacturing	<1	1	2	6
Lighting fixture manufacturing	<1	10	12	50
Small electrical appliance manufacturing	<1	2	2	15

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	<1	<1	<1	3
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	3	<1	13
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	3	18
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	11	13	56
All other miscellaneous electrical equipment and component manufacturing	<1	<1	1	4
Automobile manufacturing	<1	6	11	113
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	2
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	55	74	428
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	11	13	90
Motor vehicle electrical and electronic equipment manufacturing	<1	32	36	191
Motor vehicle transmission and power train parts manufacturing	<1	24	28	173
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	96	109	622
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	9	12	44
Other aircraft parts and auxiliary equipment manufacturing	<1	1	1	4
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	<1	2	3	10
Motorcycle, bicycle, and parts manufacturing	<1	0	0	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	0	0	3
Wood kitchen cabinet and countertop manufacturing	<1	9	10	30
Upholstered household furniture manufacturing	<1	3	3	14
Nonupholstered wood household furniture manufacturing	<1	30	31	101
Other household nonupholstered furniture manufacturing	<1	1	2	12
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	0	1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	3	3	10
Mattress manufacturing	<1	1	2	8
Blind and shade manufacturing	<1	2	1	6
Surgical and medical instrument manufacturing	<1	19	28	73
Surgical appliance and supplies manufacturing	<1	5	9	28

Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	3	6	13
Dental laboratories	<1	1	1	3
Jewelry and silverware manufacturing	<1	9	13	44
Sporting and athletic goods manufacturing	<1	21	29	99
Doll, toy, and game manufacturing	<1	27	48	252
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	25	23	63
Gasket, packing, and sealing device manufacturing	<1	14	15	37
Musical instrument manufacturing	<1	3	3	9
Fasteners, buttons, needles, and pins manufacturing	<1	7	8	19
Broom, brush, and mop manufacturing	<1	18	25	67
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2	3	13
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	398	845	2,074
Wholesale - Professional and commercial equipment and supplies	<1	1,346	2,021	3,538
Wholesale - Household appliances and electrical and electronic goods	<1	445	1,003	2,508
Wholesale - Machinery, equipment, and supplies	<1	755	1,366	2,726
Wholesale - Other durable goods merchant wholesalers	<1	1,157	2,043	4,772
Wholesale - Drugs and druggists'sundries	<1	924	2,158	6,331
Wholesale - Grocery and related product wholesalers	<1	919	1,352	2,969
Wholesale - Petroleum and petroleum products	<1	207	2,864	3,611
Wholesale - Other nondurable goods merchant wholesalers	<1	2,030	4,203	8,975
Wholesale - Wholesale electronic markets and agents and brokers	<1	400	452	549
Retail - Motor vehicle and parts dealers	<1	1,723	2,416	3,453
Retail - Furniture and home furnishings stores	<1	763	1,044	1,718

## Appendix

Retail - Electronics and appliance stores	<1	592	603	1,037
Retail - Building material and garden equipment and supplies stores	<1	1,105	2,017	2,895
Retail - Food and beverage stores	<1	2,598	3,654	6,167
Retail - Health and personal care stores	<1	1,243	1,553	2,354
Retail - Gasoline stores	<1	808	1,736	3,444
Retail - Clothing and clothing accessories stores	<1	872	1,355	2,772
Retail - Sporting goods, hobby, musical instrument and book stores	<1	676	929	1,570
Retail - General merchandise stores	<1	1,136	1,803	3,043
Retail - Miscellaneous store retailers	<1	1,529	1,578	2,741
Retail - Nonstore retailers	<1	1,453	6,995	11,565
Air transportation	<1	166	615	1,211
Rail transportation	<1	197	318	948
Water transportation	<1	201	439	1,865
Truck transportation	<1	2,033	2,922	6,141
Transit and ground passenger transportation	<1	919	1,119	1,530
Pipeline transportation	<1	59	130	264
Scenic and sightseeing transportation and support activities for transportation	<1	2,201	1,889	3,082
Couriers and messengers	<1	1,186	2,102	2,434
Warehousing and storage	<1	714	769	1,487
Newspaper publishers	<1	479	667	1,129
Periodical publishers	<1	311	378	801
Book publishers	<1	203	415	1,201
Directory, mailing list, and other publishers	<1	20	38	83
Greeting card publishing	<1	6	14	20
Software publishers	<1	2,496	3,831	6,581
Motion picture and video industries	<1	372	547	1,901
Sound recording industries	<1	30	164	426
Radio and television broadcasting	<1	1,535	2,213	7,975
Cable and other subscription programming	<1	165	925	2,762
Wired telecommunications carriers	<1	1,003	1,963	3,900

## Appendix

Wireless telecommunications carriers (except satellite)	<1	103	714	2,242
Satellite, telecommunications resellers, and all other telecommunications	<1	120	136	339
Data processing, hosting, and related services	<1	1,828	3,415	10,843
News syndicates, libraries, archives and all other information services	<1	252	394	1,364
Internet publishing and broadcasting and web search portals	<1	969	2,484	12,035
Nondepository credit intermediation and related activities	<1	1,027	1,125	1,735
Securities and commodity contracts intermediation and brokerage	<1	3,197	2,117	4,827
Monetary authorities and depository credit intermediation	<1	8,427	19,333	33,676
Other financial investment activities	<1	2,517	2,650	6,819
Direct life insurance carriers	<1	1,323	3,112	4,109
Insurance carriers, except direct life	<1	1,897	7,414	13,278
Insurance agencies, brokerages, and related activities	<1	2,442	4,372	9,142
Funds, trusts, and other financial vehicles	<1	654	614	3,044
Other real estate	<1	12,395	37,754	93,952
Tenant-occupied housing	<1	664	7,032	7,673
Owner-occupied dwellings	0	0	44,892	54,514
Automotive equipment rental and leasing	<1	267	1,081	1,507
General and consumer goods rental except video tapes and discs	<1	403	839	1,316
Video tape and disc rental	<1	124	232	392
Commercial and industrial machinery and equipment rental and leasing	<1	310	882	1,227
Lessors of nonfinancial intangible assets	<1	84	1,332	1,458
Legal services	<1	15,445	24,368	35,843
Accounting, tax preparation, bookkeeping, and payroll services	<1	3,808	5,515	8,553
Architectural, engineering, and related services	<1	6,061	7,031	13,323
Specialized design services	<1	369	780	1,335

## Appendix

Custom computer programming services	<1	2,412	2,329	3,477
Computer systems design services	<1	1,763	1,615	2,178
Other computer related services, including facilities management	<1	1,158	1,425	2,882
Management consulting services	<1	16,944	17,745	29,423
Environmental and other technical consulting services	<1	2,662	3,120	5,065
Scientific research and development services	3	277,906	343,686	729,208
Advertising, public relations, and related services	<1	2,215	4,400	8,928
Photographic services	<1	66	212	467
Veterinary services	<1	720	864	1,336
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	5,371	11,498	21,956
Management of companies and enterprises	<1	10,702	10,925	18,022
Office administrative services	<1	4,502	2,762	5,964
Facilities support services	<1	320	463	1,340
Employment services	<1	13,896	20,241	31,629
Business support services	<1	1,462	1,363	2,412
Travel arrangement and reservation services	<1	657	1,156	3,648
Investigation and security services	<1	732	747	1,097
Services to buildings	<1	1,462	2,200	4,752
Landscape and horticultural services	<1	1,401	1,790	3,548
Other support services	<1	575	765	1,640
Waste management and remediation services	<1	1,148	2,254	4,112
Elementary and secondary schools	<1	2,270	1,658	2,050
Junior colleges, colleges, universities, and professional schools	<1	3,309	4,016	5,908
Other educational services	<1	1,072	1,206	2,376
Offices of physicians	<1	6,844	6,909	9,980
Offices of dentists	<1	2,067	2,420	3,259
Offices of other health practitioners	<1	1,758	2,538	3,271
Outpatient care centers	<1	2,539	2,515	4,351
Medical and diagnostic laboratories	<1	127	195	274
Home health care services	<1	2,420	2,408	3,026

## Appendix

Other ambulatory health care services	<1	646	750	1,272
Hospitals	<1	16,895	19,840	36,672
Nursing and community care facilities	<1	2,237	2,403	3,811
Residential mental retardation, mental health, substance abuse and other facilities	<1	801	827	1,184
Individual and family services	<1	4,964	4,267	6,133
Child day care services	<1	1,540	2,068	2,764
Community food, housing, and other relief services, including rehabilitation services	<1	894	849	1,753
Performing arts companies	<1	426	675	1,501
Commercial Sports Except Racing	<1	295	313	525
Racing and Track Operation	<1	83	114	224
Independent artists, writers, and performers	<1	613	1,330	2,505
Promoters of performing arts and sports and agents for public figures	<1	538	1,084	3,069
Museums, historical sites, zoos, and parks	<1	256	327	578
Amusement parks and arcades	<1	12	42	50
Gambling industries (except casino hotels)	<1	597	2,072	2,770
Other amusement and recreation industries	<1	557	843	1,128
Fitness and recreational sports centers	<1	270	508	759
Bowling centers	<1	82	152	211
Hotels and motels, including casino hotels	<1	261	751	1,038
Other accommodations	<1	73	93	128
Full-service restaurants	<1	5,868	7,467	14,004
Limited-service restaurants	<1	3,219	4,530	9,719
All other food and drinking places	<1	3,483	6,004	8,646
Automotive repair and maintenance, except car washes	<1	3,773	3,906	5,836
Car washes	<1	1,636	2,353	3,428
Electronic and precision equipment repair and maintenance	<1	908	1,125	1,896
Commercial and industrial machinery and equipment repair and maintenance	<1	799	909	1,425
Personal and household goods repair and maintenance	<1	389	699	1,025



Appendix

Personal care services	<1	1,047	694	853
Death care services	<1	250	185	260
Dry-cleaning and laundry services	<1	374	257	337
Other personal services	<1	729	923	1,317
Religious organizations	<1	634	218	986
Grantmaking, giving, and social advocacy organizations	<1	1,417	3,473	5,431
Business and professional associations	<1	749	1,098	2,056
Labor and civic organizations	<1	581	1,408	2,898
Private households	<1	603	603	606
Postal service	<1	1,578	1,584	1,596
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	20	21	47
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,600	2,026	3,886
Local government passenger transit	<1	413	43	179
Local government electric utilities	<1	189	548	1,124
Other local government enterprises	<1	804	1,082	3,225
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## Virginia

## NASA

Table 763: Detailed NASA Impacts by Types of Impact, Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>24,763</i>	<i>2,359,619,292</i>	<i>3,580,658,697</i>	<i>6,106,081,143</i>
Oilseed farming	5	360,030	2,248,700	2,616,559
Grain farming	21	520,840	1,933,334	4,541,854
Vegetable and melon farming	6	142,519	395,676	655,063
Fruit farming	3	70,943	187,340	240,081
Tree nut farming	<1	389	1,095	1,471
Greenhouse, nursery, and floriculture production	8	184,431	474,547	825,816
Tobacco farming	3	76,595	143,335	243,416
Cotton farming	<1	14,995	36,545	57,012
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	45	180,968	421,284	769,108
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	20	183,851	878,720	1,668,897
Dairy cattle and milk production	4	103,475	351,181	1,390,586
Poultry and egg production	14	228,893	733,242	5,839,771
Animal production, except cattle and poultry and eggs	35	641,416	2,810,743	3,200,419
Forestry, forest products, and timber tract production	1	91,506	103,037	140,669
Commercial logging	14	765,216	845,337	1,389,705
Commercial fishing	5	203,516	567,584	572,594
Commercial hunting and trapping	<1	32,596	54,230	64,013
Support activities for agriculture and forestry	30	891,769	934,820	1,092,986
Oil and gas extraction	5	142,606	287,034	4,926,591
Coal mining	2	175,577	614,359	918,260
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	4,974	11,513	19,607
Stone mining and quarrying	5	461,005	2,029,537	3,115,898
Sand and gravel mining	2	138,846	276,606	501,202

## Appendix

Other clay, ceramic, refractory minerals mining	<1	20,455	43,707	78,020
Potash, soda, and borate mineral mining	<1	3,687	5,906	11,373
Phosphate rock mining	<1	1,089	2,299	4,429
Other chemical and fertilizer mineral mining	<1	253	421	846
Other nonmetallic minerals	<1	4,991	9,960	19,592
Drilling oil and gas wells	<1	37	73	306
Support activities for oil and gas operations	<1	495	664	2,196
Metal mining services	<1	4,576	7,081	90,382
Other nonmetallic minerals services	<1	1,139	1,772	17,251
Electric power generation - Hydroelectric	<1	128,554	426,458	752,671
Electric power generation - Fossil fuel	7	1,229,170	6,586,114	13,356,037
Electric power generation - Nuclear	15	3,304,300	9,098,487	16,800,968
Electric power generation - Solar	2	447,810	1,248,157	1,845,327
Electric power generation - Wind	<1	26,113	329,334	525,066
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	74,658	337,690	848,653
Electric power generation - All other	<1	33,770	12,619	24,283
Electric power transmission and distribution	37	7,631,047	36,624,375	68,162,634
Natural gas distribution	7	1,216,627	6,035,512	10,743,051
Water, sewage and other systems	3	397,696	1,080,557	1,701,655
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	1,531	108,117,975	108,761,868	227,977,755
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	61	3,966,022	7,141,114	16,369,571
Maintenance and repair construction of residential structures	40	2,424,196	3,997,853	9,042,833
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,782	3,201	7,350
Dog and cat food manufacturing	1	78,063	357,718	1,204,494
Other animal food manufacturing	2	160,310	433,052	2,767,464
Flour milling	<1	32,849	111,469	518,497
Rice milling	0	0	0	0
Malt manufacturing	<1	19,879	53,634	234,096
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	25,274	116,289	601,097
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	6,680	34,207	171,116
Nonchocolate confectionery manufacturing	<1	5,921	11,593	67,360
Chocolate and confectionery manufacturing from cacao beans	<1	1,206	2,736	25,896
Confectionery manufacturing from purchased chocolate	3	211,048	428,761	1,257,512
Frozen fruits, juices and vegetables manufacturing	<1	45,456	159,224	463,778
Frozen specialties manufacturing	1	65,951	119,715	433,933
Canned fruits and vegetables manufacturing	1	63,841	197,290	633,450
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	6,905	19,531	57,407
Cheese manufacturing	2	148,460	283,927	1,942,665
Dry, condensed, and evaporated dairy product manufacturing	<1	32,826	135,558	464,564
Fluid milk manufacturing	4	323,670	773,615	3,141,081
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	9,247	18,554	83,323

## Appendix

Frozen cakes and other pastries manufacturing	7	243,631	400,431	745,598
Poultry processing	19	1,152,723	1,751,840	7,265,083
Animal, except poultry, slaughtering	6	350,756	515,135	4,429,005
Meat processed from carcasses	8	447,953	468,686	4,106,258
Rendering and meat byproduct processing	<1	11,720	15,869	77,279
Seafood product preparation and packaging	2	184,131	359,460	1,416,062
Bread and bakery product, except frozen, manufacturing	18	794,877	1,489,297	3,318,993
Cookie and cracker manufacturing	3	375,328	729,187	1,563,017
Dry pasta, mixes, and dough manufacturing	<1	49,539	196,029	484,137
Tortilla manufacturing	<1	3,213	5,511	16,189
Roasted nuts and peanut butter manufacturing	1	108,948	447,475	1,085,471
Other snack food manufacturing	2	147,867	572,995	1,554,087
Coffee and tea manufacturing	1	102,134	293,945	1,029,829
Flavoring syrup and concentrate manufacturing	<1	17,038	270,239	283,141
Mayonnaise, dressing, and sauce manufacturing	<1	17,147	51,403	187,464
Spice and extract manufacturing	<1	17,819	43,364	161,122
All other food manufacturing	2	156,361	302,354	1,080,735
Bottled and canned soft drinks & water	6	478,443	1,234,125	4,263,096
Manufactured ice	<1	30,683	30,666	92,033
Breweries	9	606,568	1,767,380	3,794,410
Wineries	10	419,934	1,084,638	3,582,939
Distilleries	1	56,647	428,497	864,705
Tobacco product manufacturing	2	204,709	9,547,407	12,031,078
Fiber, yarn, and thread mills	<1	17,056	27,137	131,789
Broadwoven fabric mills	1	56,764	103,537	374,599
Narrow fabric mills and schiffli machine embroidery	<1	6,027	7,597	30,625
Nonwoven fabric mills	2	191,566	414,105	1,249,203
Knit fabric mills	<1	1,386	2,267	6,053
Textile and fabric finishing mills	<1	19,726	32,257	122,944
Fabric coating mills	<1	31,116	47,735	188,992
Carpet and rug mills	1	86,847	162,814	534,481
Curtain and linen mills	1	52,677	82,856	257,015
Textile bag and canvas mills	<1	31,354	53,675	134,021
Rope, cordage, twine, tire cord and tire fabric mills	<1	13,813	29,158	68,828

## Appendix

Other textile product mills	1	65,446	92,819	245,415
Hosiery and sock mills	<1	4,234	5,558	12,456
Other apparel knitting mills	<1	4,159	5,928	14,141
Cut and sew apparel contractors	<1	12,948	13,305	26,255
Men's and boys' cut and sew apparel manufacturing	<1	36,695	30,070	77,738
Women's and girls' cut and sew apparel manufacturing	<1	39,656	10,607	113,613
Other cut and sew apparel manufacturing	<1	18,304	12,797	44,646
Apparel accessories and other apparel manufacturing	<1	15,271	12,329	36,536
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	5,892	5,602	26,430
Other leather and allied product manufacturing	<1	6,586	6,087	26,591
Sawmills	13	897,336	1,747,467	6,806,272
Wood preservation	1	135,967	429,643	1,227,016
Veneer and plywood manufacturing	4	321,067	538,942	1,805,857
Engineered wood member and truss manufacturing	3	232,286	414,682	1,289,778
Reconstituted wood product manufacturing	2	159,914	536,081	1,752,297
Wood windows and door manufacturing	13	913,656	1,319,141	3,914,462
Cut stock, resawing lumber, and planing	3	186,839	410,110	1,229,108
Other millwork, including flooring	5	300,302	529,065	1,549,415
Wood container and pallet manufacturing	3	198,399	291,254	822,181
Manufactured home (mobile home) manufacturing	<1	957	1,448	4,216
Prefabricated wood building manufacturing	4	263,557	485,779	1,426,079
All other miscellaneous wood product manufacturing	2	101,722	150,868	490,506
Pulp mills	0	0	0	0
Paper mills	6	745,049	1,418,769	5,053,120
Paperboard mills	4	556,513	1,031,757	4,133,394
Paperboard container manufacturing	8	661,369	957,332	4,614,989
Paper bag and coated and treated paper manufacturing	2	141,891	206,992	791,266
Stationery product manufacturing	<1	57,168	71,460	304,215

## Appendix

Sanitary paper product manufacturing	1	75,699	202,507	930,635
All other converted paper product manufacturing	1	103,546	162,333	585,977
Printing	58	3,526,625	5,218,308	11,110,254
Support activities for printing	1	93,430	136,135	210,912
Petroleum refineries	<1	92,459	581,938	4,526,987
Asphalt paving mixture and block manufacturing	1	239,604	322,416	1,439,699
Asphalt shingle and coating materials manufacturing	<1	42,777	113,819	389,273
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	16,751	42,293	154,352
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	64,578	135,445	471,915
Synthetic dye and pigment manufacturing	<1	7,713	11,789	41,659
Other basic inorganic chemical manufacturing	<1	16,319	27,598	110,486
Other basic organic chemical manufacturing	2	258,361	493,261	3,744,430
Plastics material and resin manufacturing	<1	68,008	107,440	809,228
Synthetic rubber manufacturing	<1	3,035	4,258	28,044
Artificial and synthetic fibers and filaments manufacturing	7	1,070,156	1,445,515	6,376,227
Nitrogenous fertilizer manufacturing	<1	32,225	81,466	402,638
Phosphatic fertilizer manufacturing	<1	3,200	6,558	31,687
Fertilizer mixing	<1	15,494	24,816	115,257
Pesticide and other agricultural chemical manufacturing	<1	93,645	234,502	1,234,836
Medicinal and botanical manufacturing	<1	24,177	29,871	111,482
Pharmaceutical preparation manufacturing	2	364,328	700,357	2,054,220
In-vitro diagnostic substance manufacturing	<1	12,743	15,416	39,822
Biological product (except diagnostic) manufacturing	<1	32,078	63,846	201,635
Paint and coating manufacturing	1	114,261	179,128	895,359
Adhesive manufacturing	<1	25,024	33,434	172,263
Soap and other detergent manufacturing	<1	44,527	86,147	437,609
Polish and other sanitation good manufacturing	<1	85,066	109,793	354,515



## Appendix

Surface active agent manufacturing	<1	42,545	108,468	321,446
Toilet preparation manufacturing	1	80,548	168,065	731,855
Printing ink manufacturing	3	299,989	330,199	1,336,873
Explosives manufacturing	<1	28,068	31,122	105,713
Custom compounding of purchased resins	2	156,352	241,232	1,032,379
Photographic film and chemical manufacturing	2	212,940	349,692	1,453,587
Other miscellaneous chemical product manufacturing	<1	115,434	152,203	656,986
Plastics packaging materials and unlaminated film and sheet manufacturing	5	488,886	813,291	2,869,348
Unlaminated plastics profile shape manufacturing	<1	17,389	39,991	134,836
Plastics pipe and pipe fitting manufacturing	<1	93,338	270,205	781,113
Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	139,735	238,794	602,637
Polystyrene foam product manufacturing	<1	50,911	94,771	383,657
Urethane and other foam product (except polystyrene) manufacturing	<1	50,247	88,037	280,566
Plastics bottle manufacturing	<1	32,909	53,226	236,111
Other plastics product manufacturing	11	749,430	1,153,620	3,805,252
Tire manufacturing	7	718,863	950,800	3,163,927
Rubber and plastics hoses and belting manufacturing	<1	10,144	16,562	50,197
Other rubber product manufacturing	<1	65,461	85,615	305,553
Pottery, ceramics, and plumbing fixture manufacturing	<1	12,916	23,660	68,340
Brick, tile, and other structural clay product manufacturing	2	208,172	403,021	841,824
Flat glass manufacturing	<1	70,706	165,832	402,900
Other pressed and blown glass and glassware manufacturing	<1	19,329	36,549	72,694
Glass container manufacturing	<1	66,141	119,897	254,370
Glass product manufacturing made of purchased glass	1	75,465	160,263	422,206
Cement manufacturing	<1	86,186	239,110	568,038
Ready-mix concrete manufacturing	11	942,013	1,783,059	5,309,028
Concrete block and brick manufacturing	4	318,083	657,945	1,480,205
Concrete pipe manufacturing	6	539,167	1,026,159	2,391,824

## Appendix

Other concrete product manufacturing	19	1,629,349	2,703,890	6,041,487
Lime manufacturing	<1	33,180	86,110	208,759
Gypsum product manufacturing	1	125,152	440,851	1,004,327
Abrasive product manufacturing	<1	64,175	164,505	272,981
Cut stone and stone product manufacturing	2	160,135	228,071	501,645
Ground or treated mineral and earth manufacturing	<1	36,781	102,092	217,098
Mineral wool manufacturing	<1	52,672	172,108	393,522
Miscellaneous nonmetallic mineral products manufacturing	3	223,862	627,746	1,341,241
Iron and steel mills and ferroalloy manufacturing	2	284,161	871,038	4,388,659
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,958	5,274	25,652
Rolled steel shape manufacturing	<1	5,087	22,269	113,836
Steel wire drawing	<1	4,352	10,345	37,224
Alumina refining and primary aluminum production	<1	17,723	34,814	211,732
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	20,876	53,545	232,948
Other aluminum rolling, drawing and extruding	<1	32,005	52,257	201,694
Nonferrous metal (exc aluminum) smelting and refining	<1	225	1,895	7,129
Copper rolling, drawing, extruding and alloying	<1	22,890	58,535	590,534
Nonferrous metal, except copper and aluminum, shaping	<1	6,120	8,174	37,297
Secondary processing of other nonferrous metals	<1	695	1,743	9,217
Ferrous metal foundries	<1	45,689	87,933	189,977
Nonferrous metal foundries	1	69,575	102,450	238,446
Custom roll forming	<1	2,308	3,598	19,813
Crown and closure manufacturing and metal stamping	<1	68,103	93,862	306,242
Iron and steel forging	<1	11,850	17,388	64,168
Nonferrous forging	<1	18,519	25,114	87,588
Cutlery, utensil, pot, and pan manufacturing	<1	38,879	94,326	284,820
Handtool manufacturing	<1	17,495	30,690	81,535
Prefabricated metal buildings and components manufacturing	8	696,000	1,118,994	3,819,231

## Appendix

Fabricated structural metal manufacturing	7	613,079	991,588	3,144,020
Plate work manufacturing	2	273,908	320,157	793,732
Metal window and door manufacturing	<1	64,931	96,466	282,098
Sheet metal work manufacturing	2	154,137	224,608	686,222
Ornamental and architectural metal work manufacturing	3	252,363	321,384	858,593
Power boiler and heat exchanger manufacturing	<1	26,159	38,372	101,929
Metal tank (heavy gauge) manufacturing	<1	35,273	45,961	161,812
Metal cans manufacturing	<1	60,693	126,898	641,745
Metal barrels, drums and pails manufacturing	<1	2,597	3,614	15,069
Hardware manufacturing	<1	35,534	56,628	187,561
Spring and wire product manufacturing	<1	43,749	60,995	203,170
Machine shops	6	436,294	536,881	1,179,407
Turned product and screw, nut, and bolt manufacturing	<1	27,128	36,694	109,583
Metal heat treating	<1	9,634	13,480	42,416
Metal coating and nonprecious engraving	<1	55,368	106,547	307,380
Electroplating, anodizing, and coloring metal	2	104,998	117,016	261,363
Valve and fittings, other than plumbing, manufacturing	<1	10,587	17,057	50,747
Plumbing fixture fitting and trim manufacturing	<1	17,868	46,899	150,677
Ball and roller bearing manufacturing	<1	18,976	33,034	85,045
Small arms ammunition manufacturing	<1	26,727	67,693	147,636
Ammunition, except for small arms, manufacturing	<1	4,626	5,314	10,019
Small arms, ordnance, and accessories manufacturing	<1	22,987	54,212	156,789
Fabricated pipe and pipe fitting manufacturing	2	133,261	175,828	481,314
Other fabricated metal manufacturing	2	119,899	168,751	492,725
Farm machinery and equipment manufacturing	<1	1,223	2,334	10,073
Lawn and garden equipment manufacturing	<1	5,249	9,457	46,720
Construction machinery manufacturing	<1	4,850	11,180	42,235
Mining machinery and equipment manufacturing	<1	2,784	4,020	12,647

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	954	1,237	4,607
Semiconductor machinery manufacturing	<1	781	947	2,330
Food product machinery manufacturing	<1	997	1,155	3,399
Sawmill, woodworking, and paper machinery	<1	1,311	1,504	4,396
Printing machinery and equipment manufacturing	<1	708	794	2,790
All other industrial machinery manufacturing	<1	4,759	6,151	18,514
Optical instrument and lens manufacturing	<1	24,674	37,121	94,234
Photographic and photocopying equipment manufacturing	<1	909	1,119	3,489
Other commercial service industry machinery manufacturing	<1	34,910	56,394	172,804
Air purification and ventilation equipment manufacturing	<1	18,381	24,214	74,467
Heating equipment (except warm air furnaces) manufacturing	<1	49,224	78,402	251,448
Air conditioning, refrigeration, and warm air heating equipment manufacturing	2	187,827	322,529	1,029,630
Industrial mold manufacturing	<1	974	1,182	2,711
Special tool, die, jig, and fixture manufacturing	<1	3,955	5,276	12,043
Cutting tool and machine tool accessory manufacturing	<1	4,816	5,631	13,655
Machine tool manufacturing	<1	5,821	7,461	22,568
Rolling mill and other metalworking machinery manufacturing	<1	1,010	1,353	3,387
Turbine and turbine generator set units manufacturing	<1	196	215	522
Speed changer, industrial high-speed drive, and gear manufacturing	<1	30,480	43,326	105,029
Mechanical power transmission equipment manufacturing	<1	10,085	14,396	32,274
Other engine equipment manufacturing	<1	4,157	9,144	42,337
Pump and pumping equipment manufacturing	<1	15,415	26,210	79,130
Air and gas compressor manufacturing	<1	14,886	21,356	76,577
Elevator and moving stairway manufacturing	0	0	0	0

## Appendix

Conveyor and conveying equipment manufacturing	<1	6,424	7,341	21,361
Overhead cranes, hoists, and monorail systems manufacturing	<1	12,534	22,290	83,382
Industrial truck, trailer, and stacker manufacturing	<1	5,186	8,576	26,405
Power-driven handtool manufacturing	<1	80,129	223,537	619,832
Welding and soldering equipment manufacturing	<1	589	908	3,738
Packaging machinery manufacturing	<1	10,719	15,891	42,626
Industrial process furnace and oven manufacturing	<1	73	90	263
Fluid power cylinder and actuator manufacturing	<1	17,665	25,052	67,974
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,792	2,218	6,734
Electronic computer manufacturing	<1	176,548	236,527	825,721
Computer storage device manufacturing	<1	6,050	8,056	28,324
Computer terminals and other computer peripheral equipment manufacturing	<1	122,359	167,390	493,718
Telephone apparatus manufacturing	<1	2,016	2,919	8,265
Broadcast and wireless communications equipment manufacturing	1	214,143	264,527	563,763
Other communications equipment manufacturing	3	292,638	463,208	1,407,794
Audio and video equipment manufacturing	<1	15,939	22,793	89,453
Printed circuit assembly (electronic assembly) manufacturing	1	102,466	140,272	572,137
Bare printed circuit board manufacturing	1	91,349	107,523	309,491
Semiconductor and related device manufacturing	4	473,612	698,144	2,813,488
Capacitor, resistor, coil, transformer, and other inductor manufacturing	2	150,371	182,407	593,460
Electronic connector manufacturing	1	49,763	64,480	361,601
Other electronic component manufacturing	<1	49,606	58,304	206,933

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	1,155	1,584	4,988
Search, detection, and navigation instruments manufacturing	1	227,344	341,904	769,110
Automatic environmental control manufacturing	<1	18,582	22,907	62,925
Industrial process variable instruments manufacturing	<1	6,273	8,053	27,546
Totalizing fluid meter and counting device manufacturing	<1	3,248	5,145	9,939
Electricity and signal testing instruments manufacturing	<1	3,556	4,155	14,154
Analytical laboratory instrument manufacturing	7	749,438	1,071,139	2,958,245
Irradiation apparatus manufacturing	<1	293	438	1,852
Watch, clock, and other measuring and controlling device manufacturing	<1	3,010	3,810	12,867
Blank magnetic and optical recording media manufacturing	<1	30,964	82,252	514,008
Software and other prerecorded and record reproducing	<1	25,342	33,495	108,459
Electric lamp bulb and part manufacturing	<1	14,721	18,983	66,397
Lighting fixture manufacturing	1	114,578	133,163	569,455
Small electrical appliance manufacturing	<1	8,141	11,914	67,336
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	21,583	25,277	79,416
Motor and generator manufacturing	<1	83,445	116,303	482,922
Switchgear and switchboard apparatus manufacturing	<1	57,370	75,535	286,512
Relay and industrial control manufacturing	<1	36,608	41,635	119,579
Storage battery manufacturing	<1	1,972	2,456	8,161
Primary battery manufacturing	<1	632	-1,954	1,327
Fiber optic cable manufacturing	1	108,047	134,964	726,583

## Appendix

Other communication and energy wire manufacturing	<1	22,501	28,732	137,545
Wiring device manufacturing	<1	36,548	51,223	187,226
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	1	155,170	168,571	467,913
Automobile manufacturing	<1	61,061	269,538	986,261
Light truck and utility vehicle manufacturing	<1	14,806	64,221	330,103
Heavy duty truck manufacturing	<1	4,703	11,606	52,873
Motor vehicle body manufacturing	<1	11,071	16,192	63,177
Truck trailer manufacturing	<1	1,864	2,692	11,916
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	37,443	48,519	215,077
Motor vehicle gasoline engine and engine parts manufacturing	2	119,101	218,781	1,002,460
Motor vehicle electrical and electronic equipment manufacturing	2	134,697	201,397	1,055,013
Motor vehicle transmission and power train parts manufacturing	3	220,418	370,719	1,673,906
Motor vehicle seating and interior trim manufacturing	<1	18,115	23,194	138,862
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	4	353,066	545,279	2,228,190
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	4	334,132	572,608	2,378,789
Aircraft manufacturing	2	284,796	771,188	1,251,404
Aircraft engine and engine parts manufacturing	<1	1,975	7,692	11,540
Other aircraft parts and auxiliary equipment manufacturing	3	359,855	651,818	1,162,443
Guided missile and space vehicle manufacturing	<1	358	909	1,324
Propulsion units and parts for space vehicles and guided missiles manufacturing	2	239,597	469,087	743,474
Railroad rolling stock manufacturing	<1	2,412	2,950	11,587
Ship building and repairing	<1	47,425	87,898	158,898
Boat building	<1	3,876	8,005	19,738
Motorcycle, bicycle, and parts manufacturing	<1	3,600	24,445	43,390

## Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	63,727	246,132	376,404
All other transportation equipment manufacturing	<1	4,332	14,743	35,743
Wood kitchen cabinet and countertop manufacturing	4	226,090	332,359	821,467
Upholstered household furniture manufacturing	3	123,074	147,724	579,339
Nonupholstered wood household furniture manufacturing	2	101,243	127,859	340,313
Other household nonupholstered furniture manufacturing	<1	14,933	29,988	101,268
Institutional furniture manufacturing	<1	25,858	29,005	105,956
Wood office furniture manufacturing	<1	2,205	3,215	10,125
Custom architectural woodwork and millwork	<1	12,076	12,196	34,263
Office furniture, except wood, manufacturing	<1	2,827	5,960	19,667
Showcase, partition, shelving, and locker manufacturing	<1	15,015	24,134	74,495
Mattress manufacturing	<1	50,417	111,839	427,071
Blind and shade manufacturing	<1	14,980	15,463	60,990
Surgical and medical instrument manufacturing	<1	44,939	60,292	132,762
Surgical appliance and supplies manufacturing	<1	63,226	102,187	297,967
Dental equipment and supplies manufacturing	<1	1,666	2,321	5,357
Ophthalmic goods manufacturing	<1	27,147	41,485	97,168
Dental laboratories	<1	62,313	68,092	131,786
Jewelry and silverware manufacturing	1	57,046	113,104	333,864
Sporting and athletic goods manufacturing	<1	49,615	66,213	257,967
Doll, toy, and game manufacturing	<1	5,990	9,020	38,044
Office supplies (except paper) manufacturing	<1	21,018	29,810	98,307
Sign manufacturing	3	228,785	212,117	546,286
Gasket, packing, and sealing device manufacturing	<1	36,455	40,342	102,731
Musical instrument manufacturing	<1	7,304	7,855	22,306
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0



## Appendix

Broom, brush, and mop manufacturing	<1	27,127	32,338	92,278
Burial casket manufacturing	<1	2,186	2,988	7,053
All other miscellaneous manufacturing	2	215,262	279,148	724,434
Wholesale - Motor vehicle and motor vehicle parts and supplies	17	1,294,485	3,167,119	7,331,720
Wholesale - Professional and commercial equipment and supplies	58	9,340,550	14,855,667	24,020,298
Wholesale - Household appliances and electrical and electronic goods	25	2,844,035	7,676,600	16,008,973
Wholesale - Machinery, equipment, and supplies	36	3,411,659	7,153,176	12,864,223
Wholesale - Other durable goods merchant wholesalers	88	7,931,682	15,870,827	32,123,894
Wholesale - Drugs and druggists'sundries	18	2,787,549	7,446,236	16,309,931
Wholesale - Grocery and related product wholesalers	44	3,666,672	5,949,271	11,804,474
Wholesale - Petroleum and petroleum products	7	661,144	12,901,892	15,212,118
Wholesale - Other nondurable goods merchant wholesalers	63	5,234,417	13,569,657	25,746,294
Wholesale - Wholesale electronic markets and agents and brokers	42	6,968,584	8,092,065	9,219,706
Retail - Motor vehicle and parts dealers	82	6,380,091	9,667,180	13,313,473
Retail - Furniture and home furnishings stores	59	2,895,869	4,290,316	7,166,219
Retail - Electronics and appliance stores	50	3,536,941	3,390,338	5,379,682
Retail - Building material and garden equipment and supplies stores	117	5,587,643	12,405,122	17,433,655
Retail - Food and beverage stores	266	9,578,687	15,066,932	24,535,935
Retail - Health and personal care stores	105	4,857,902	6,643,890	10,148,380
Retail - Gasoline stores	80	3,239,428	7,810,705	14,056,513
Retail - Clothing and clothing accessories stores	109	3,335,936	6,563,247	13,572,600
Retail - Sporting goods, hobby, musical instrument and book stores	80	2,404,864	3,532,030	5,980,010
Retail - General merchandise stores	221	8,201,471	14,712,416	23,717,999
Retail - Miscellaneous store retailers	183	4,750,800	5,675,612	9,848,178
Retail - Nonstore retailers	229	3,790,004	27,726,815	48,249,668
Air transportation	34	4,127,392	9,055,348	17,945,768

## Appendix

Rail transportation	11	1,209,350	3,496,649	6,826,374
Water transportation	5	900,393	2,654,122	5,671,474
Truck transportation	172	11,691,462	17,753,948	38,769,214
Transit and ground passenger transportation	246	3,771,719	6,360,868	10,286,717
Pipeline transportation	2	691,284	1,598,992	2,607,921
Scenic and sightseeing transportation and support activities for transportation	79	8,948,280	7,807,751	10,959,369
Couriers and messengers	313	6,494,926	12,953,622	16,781,864
Warehousing and storage	152	9,782,958	10,506,028	18,184,979
Newspaper publishers	19	2,116,729	3,582,234	4,747,457
Periodical publishers	13	1,785,311	2,584,631	4,102,605
Book publishers	4	496,217	1,368,908	2,676,472
Directory, mailing list, and other publishers	3	344,521	859,066	1,453,275
Greeting card publishing	<1	11,745	40,652	63,438
Software publishers	547	114,075,051	235,141,309	293,146,209
Motion picture and video industries	29	2,564,007	4,113,281	8,914,417
Sound recording industries	2	290,594	2,118,511	3,017,945
Radio and television broadcasting	39	7,131,950	10,990,464	26,320,786
Cable and other subscription programming	12	2,401,772	15,814,065	33,217,348
Wired telecommunications carriers	46	1,393,859	12,907,016	22,952,276
Wireless telecommunications carriers (except satellite)	11	83,538	12,255,420	26,462,939
Satellite, telecommunications resellers, and all other telecommunications	19	247,134	1,026,912	5,376,948
Data processing, hosting, and related services	166	26,690,131	54,893,570	126,608,985
News syndicates, libraries, archives and all other information services	10	1,002,026	1,568,586	3,496,430
Internet publishing and broadcasting and web search portals	125	20,551,950	53,170,268	180,893,306
Nondepository credit intermediation and related activities	110	17,579,059	18,772,059	26,299,713
Securities and commodity contracts intermediation and brokerage	132	10,461,895	8,005,512	16,512,289
Monetary authorities and depository credit intermediation	149	16,595,269	73,053,477	94,760,323

## Appendix

Other financial investment activities	182	12,795,835	14,074,621	35,029,884
Direct life insurance carriers	10	1,160,293	2,159,969	3,142,643
Insurance carriers, except direct life	100	9,738,906	27,422,735	62,362,425
Insurance agencies, brokerages, and related activities	109	10,494,788	15,791,244	36,585,693
Funds, trusts, and other financial vehicles	62	2,530,204	3,552,493	14,337,992
Other real estate	782	18,671,937	71,820,942	169,695,257
Tenant-occupied housing	102	2,301,476	39,102,839	41,699,544
Owner-occupied dwellings	0	0	155,989,780	188,253,831
Automotive equipment rental and leasing	18	1,402,271	5,448,800	6,780,362
General and consumer goods rental except video tapes and discs	24	1,532,782	2,956,091	4,237,229
Video tape and disc rental	8	443,215	784,563	1,312,228
Commercial and industrial machinery and equipment rental and leasing	32	3,216,744	10,340,244	12,787,619
Lessors of nonfinancial intangible assets	4	184,986	5,346,931	5,812,304
Legal services	173	19,934,896	40,235,269	51,525,755
Accounting, tax preparation, bookkeeping, and payroll services	171	19,281,907	26,613,333	37,088,034
Architectural, engineering, and related services	208	23,877,814	27,044,349	44,145,209
Specialized design services	15	1,546,908	2,984,315	4,568,542
Custom computer programming services	60	8,295,305	8,508,220	11,083,736
Computer systems design services	608	77,039,140	74,137,974	92,258,619
Other computer related services, including facilities management	52	6,321,950	9,090,844	15,661,864
Management consulting services	1,768	239,792,579	249,009,873	359,711,834
Environmental and other technical consulting services	58	7,136,740	8,158,511	11,862,102
Scientific research and development services	1,570	188,926,426	218,616,594	408,852,635
Advertising, public relations, and related services	146	14,062,313	24,764,178	46,260,609
Photographic services	6	279,387	822,165	1,663,645
Veterinary services	37	2,173,161	2,552,566	3,890,908
Marketing research and all other miscellaneous professional, scientific, and technical services	160	18,408,086	38,069,889	64,486,459
Management of companies and enterprises	354	57,857,533	68,362,628	101,313,007

## Appendix

Office administrative services	131	14,821,227	8,175,671	14,675,871
Facilities support services	145	12,508,754	17,084,582	32,038,335
Employment services	716	47,753,476	66,958,301	101,230,808
Business support services	132	8,642,192	7,773,265	12,657,389
Travel arrangement and reservation services	21	1,479,434	2,417,404	6,921,532
Investigation and security services	121	7,186,977	7,275,820	9,783,933
Services to buildings	203	7,882,535	11,222,924	23,121,764
Landscape and horticultural services	94	4,897,921	6,019,723	10,862,230
Other support services	39	2,227,890	2,857,811	5,837,095
Waste management and remediation services	32	2,555,634	4,285,602	8,888,431
Elementary and secondary schools	110	5,402,202	4,308,316	5,326,568
Junior colleges, colleges, universities, and professional schools	251	12,263,503	15,081,998	20,967,143
Other educational services	109	6,178,913	6,759,093	12,144,877
Offices of physicians	320	37,007,243	37,308,770	53,111,568
Offices of dentists	103	8,174,005	9,935,922	13,087,719
Offices of other health practitioners	89	5,486,740	8,603,539	10,822,514
Outpatient care centers	86	6,570,832	6,510,777	10,295,406
Medical and diagnostic laboratories	35	2,992,566	5,068,317	6,838,176
Home health care services	146	6,643,027	6,641,049	8,820,691
Other ambulatory health care services	29	2,033,630	2,438,397	3,681,454
Hospitals	444	41,747,957	50,138,426	91,627,155
Nursing and community care facilities	147	7,627,636	8,529,202	13,664,690
Residential mental retardation, mental health, substance abuse and other facilities	55	2,933,173	3,029,728	4,499,370
Individual and family services	274	9,437,808	8,390,678	11,793,241
Child day care services	118	3,999,231	6,218,167	8,142,692
Community food, housing, and other relief services, including rehabilitation services	63	2,734,219	2,583,329	5,437,484
Performing arts companies	31	1,002,541	1,645,490	3,131,643
Commercial Sports Except Racing	90	4,419,126	4,236,597	6,365,567
Racing and Track Operation	6	225,252	355,749	644,826
Independent artists, writers, and performers	34	1,202,048	2,939,580	4,534,359

## Appendix

Promoters of performing arts and sports and agents for public figures	57	2,010,758	4,453,117	9,312,145
Museums, historical sites, zoos, and parks	14	723,448	864,906	1,506,637
Amusement parks and arcades	11	275,540	476,510	622,447
Gambling industries (except casino hotels)	37	1,566,201	4,674,246	6,324,022
Other amusement and recreation industries	72	2,084,747	2,158,133	3,162,481
Fitness and recreational sports centers	74	1,462,309	1,763,604	3,188,203
Bowling centers	7	195,957	275,826	454,601
Hotels and motels, including casino hotels	61	2,528,477	5,017,123	7,623,789
Other accommodations	15	701,014	856,157	1,118,974
Full-service restaurants	572	19,294,667	28,508,446	54,036,139
Limited-service restaurants	486	13,654,978	21,400,428	49,302,020
All other food and drinking places	255	9,990,331	14,241,375	22,135,932
Automotive repair and maintenance, except car washes	196	12,298,807	13,948,490	20,191,365
Car washes	88	5,941,220	9,093,637	13,096,749
Electronic and precision equipment repair and maintenance	635	57,011,879	71,215,231	109,475,695
Commercial and industrial machinery and equipment repair and maintenance	47	3,892,315	4,608,393	6,856,701
Personal and household goods repair and maintenance	30	1,409,454	2,898,370	4,144,717
Personal care services	196	5,792,104	2,985,636	3,923,973
Death care services	36	1,147,996	706,365	1,062,298
Dry-cleaning and laundry services	67	2,120,208	1,176,280	1,642,986
Other personal services	109	3,413,600	4,301,140	6,251,303
Religious organizations	232	13,124,972	6,042,696	19,934,493
Grantmaking, giving, and social advocacy organizations	42	3,570,551	10,168,366	13,848,414
Business and professional associations	25	3,320,081	5,129,937	7,539,061
Labor and civic organizations	54	2,463,383	6,715,405	10,459,605
Private households	100	2,208,726	2,208,726	2,208,726
Postal service	72	7,564,384	7,585,680	7,588,381
Federal electric utilities	0	0	0	0
Other federal government enterprises	12	731,589	1,135,117	2,994,287
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	19	2,217,968	198,355	766,154
Local government electric utilities	1	141,451	380,871	930,831
Other local government enterprises	68	6,651,858	11,427,106	29,235,299
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3,201	591,798,605	778,217,211	1,306,132,110

## Moon to Mars Campaign

**Table 764: Detailed M2M Campaign Impacts by Types of Impact, Virginia**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>4,195</i>	<i>337,755,401</i>	<i>492,039,855</i>	<i>899,376,931</i>
Oilseed farming	1	68,465	491,981	603,310
Grain farming	3	63,569	323,477	562,239
Vegetable and melon farming	<1	18,544	54,441	86,925
Fruit farming	<1	10,206	27,418	34,364
Tree nut farming	<1	59	177	238
Greenhouse, nursery, and floriculture production	1	22,848	62,354	105,042
Tobacco farming	<1	16,430	31,716	57,227

Appendix

Cotton farming	<1	1,719	4,144	6,485
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	7	29,647	73,291	129,972
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	21,098	114,529	187,658
Dairy cattle and milk production	<1	14,121	52,013	187,937
Poultry and egg production	2	27,492	93,758	701,107
Animal production, except cattle and poultry and eggs	5	72,215	368,477	400,363
Forestry, forest products, and timber tract production	<1	23,060	26,041	35,011
Commercial logging	7	429,989	515,022	798,782
Commercial fishing	<1	66,025	78,379	78,469
Commercial hunting and trapping	<1	6,428	6,929	8,085
Support activities for agriculture and forestry	4	123,126	130,609	152,538
Oil and gas extraction	<1	21,401	52,707	932,250
Coal mining	<1	15,787	57,776	86,295
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	661	1,553	2,578
Stone mining and quarrying	3	261,703	1,125,649	1,732,702
Sand and gravel mining	1	108,709	217,023	382,722
Other clay, ceramic, refractory minerals mining	<1	9,808	21,130	37,359
Potash, soda, and borate mineral mining	<1	1,373	2,218	4,276
Phosphate rock mining	<1	514	1,089	2,084
Other chemical and fertilizer mineral mining	<1	53	90	181
Other nonmetallic minerals	<1	2,005	4,050	7,973
Drilling oil and gas wells	<1	9	19	81
Support activities for oil and gas operations	<1	82	114	382
Metal mining services	<1	1,033	1,888	23,970
Other nonmetallic minerals services	<1	586	1,117	10,512
Electric power generation - Hydroelectric	<1	14,854	48,014	83,078

## Appendix

Electric power generation - Fossil fuel	<1	133,395	658,373	1,330,420
Electric power generation - Nuclear	2	373,347	1,033,274	1,893,614
Electric power generation - Solar	<1	46,171	128,864	189,748
Electric power generation - Wind	<1	1,823	22,811	35,997
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	7,934	36,101	92,645
Electric power generation - All other	<1	3,792	976	2,217
Electric power transmission and distribution	4	785,268	3,647,328	6,742,785
Natural gas distribution	1	191,028	931,137	1,631,838
Water, sewage and other systems	<1	36,761	96,594	148,012
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	1,484	103,885,909	104,325,012	219,888,521
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	539,259	994,475	2,226,591
Maintenance and repair construction of residential structures	5	328,057	553,230	1,228,002
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	241	442	1,001
Dog and cat food manufacturing	<1	9,064	42,391	140,571
Other animal food manufacturing	<1	20,366	57,043	356,685
Flour milling	<1	3,752	12,868	60,853



## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	2,657	7,554	33,249
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	3,651	17,115	87,241
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	1,079	5,913	27,697
Nonchocolate confectionery manufacturing	<1	780	1,526	8,753
Chocolate and confectionery manufacturing from cacao beans	<1	213	487	4,489
Confectionery manufacturing from purchased chocolate	<1	29,582	61,684	174,174
Frozen fruits, juices and vegetables manufacturing	<1	6,135	22,173	61,540
Frozen specialties manufacturing	<1	8,504	15,434	56,279
Canned fruits and vegetables manufacturing	<1	9,578	30,291	95,469
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1,062	2,999	8,743
Cheese manufacturing	<1	21,411	40,920	288,650
Dry, condensed, and evaporated dairy product manufacturing	<1	4,734	19,791	67,146
Fluid milk manufacturing	<1	45,803	113,109	451,709
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,223	2,501	10,961
Frozen cakes and other pastries manufacturing	<1	32,663	53,748	99,823
Poultry processing	2	133,318	207,198	857,558
Animal, except poultry, slaughtering	<1	39,102	58,187	503,992
Meat processed from carcasses	1	61,794	65,127	568,914
Rendering and meat byproduct processing	<1	1,616	2,193	10,722
Seafood product preparation and packaging	<1	22,553	45,625	173,500
Bread and bakery product, except frozen, manufacturing	2	105,417	199,330	443,044
Cookie and cracker manufacturing	<1	58,125	117,619	236,148
Dry pasta, mixes, and dough manufacturing	<1	6,422	25,729	65,535
Tortilla manufacturing	<1	393	670	1,990

## Appendix

Roasted nuts and peanut butter manufacturing	<1	15,334	65,861	153,557
Other snack food manufacturing	<1	19,472	76,521	204,655
Coffee and tea manufacturing	<1	12,822	38,030	131,668
Flavoring syrup and concentrate manufacturing	<1	2,506	41,055	41,800
Mayonnaise, dressing, and sauce manufacturing	<1	2,357	7,075	25,659
Spice and extract manufacturing	<1	2,862	7,187	26,223
All other food manufacturing	<1	21,523	41,965	150,932
Bottled and canned soft drinks & water	<1	58,842	154,801	533,522
Manufactured ice	<1	4,086	4,188	11,918
Breweries	1	75,268	228,828	487,678
Wineries	2	67,859	178,490	574,411
Distilleries	<1	7,220	57,551	112,524
Tobacco product manufacturing	<1	28,404	1,586,920	1,855,281
Fiber, yarn, and thread mills	<1	2,535	4,125	19,491
Broadwoven fabric mills	<1	8,526	16,118	56,341
Narrow fabric mills and schiffli machine embroidery	<1	869	1,110	4,388
Nonwoven fabric mills	<1	42,426	99,729	274,816
Knit fabric mills	<1	275	464	1,230
Textile and fabric finishing mills	<1	3,866	6,376	23,670
Fabric coating mills	<1	10,659	16,198	63,229
Carpet and rug mills	<1	17,216	32,541	105,710
Curtain and linen mills	<1	7,728	12,437	37,248
Textile bag and canvas mills	<1	5,059	8,987	21,615
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,780	4,064	8,974
Other textile product mills	<1	11,374	16,503	42,421
Hosiery and sock mills	<1	578	778	1,640
Other apparel knitting mills	<1	551	809	1,825
Cut and sew apparel contractors	<1	2,126	2,187	4,223
Men's and boys' cut and sew apparel manufacturing	<1	5,781	4,784	11,835
Women's and girls' cut and sew apparel manufacturing	<1	6,328	1,756	17,418
Other cut and sew apparel manufacturing	<1	2,922	2,066	6,903
Apparel accessories and other apparel manufacturing	<1	2,423	1,988	5,539
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	875	836	3,834
Other leather and allied product manufacturing	<1	978	917	3,877

## Appendix

Sawmills	8	531,499	1,027,908	3,906,589
Wood preservation	<1	76,086	239,746	769,996
Veneer and plywood manufacturing	2	187,456	308,862	1,034,023
Engineered wood member and truss manufacturing	2	189,616	329,110	1,032,742
Reconstituted wood product manufacturing	1	101,516	329,905	1,086,182
Wood windows and door manufacturing	4	322,092	458,784	1,355,255
Cut stock, resawing lumber, and planing	1	80,243	171,387	521,589
Other millwork, including flooring	2	142,449	245,117	715,682
Wood container and pallet manufacturing	<1	43,754	62,955	178,993
Manufactured home (mobile home) manufacturing	<1	1,432	2,142	6,189
Prefabricated wood building manufacturing	3	188,329	343,157	982,159
All other miscellaneous wood product manufacturing	<1	19,870	27,781	88,995
Pulp mills	0	0	0	0
Paper mills	<1	84,834	147,371	570,015
Paperboard mills	<1	56,033	99,844	415,497
Paperboard container manufacturing	2	124,658	181,661	899,258
Paper bag and coated and treated paper manufacturing	<1	23,636	33,526	129,902
Stationery product manufacturing	<1	7,869	9,675	40,221
Sanitary paper product manufacturing	<1	10,046	25,874	123,990
All other converted paper product manufacturing	<1	12,897	20,008	73,950
Printing	5	294,659	445,226	923,705
Support activities for printing	<1	6,949	10,227	15,598
Petroleum refineries	<1	30,405	212,473	1,502,398
Asphalt paving mixture and block manufacturing	<1	137,866	194,470	832,750
Asphalt shingle and coating materials manufacturing	<1	36,018	106,983	331,200
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	3,826	9,762	34,080
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	6,659	14,871	49,812

## Appendix

Synthetic dye and pigment manufacturing	<1	1,463	2,342	8,311
Other basic inorganic chemical manufacturing	<1	3,390	6,144	23,331
Other basic organic chemical manufacturing	<1	40,008	79,798	592,383
Plastics material and resin manufacturing	<1	14,042	23,344	169,579
Synthetic rubber manufacturing	<1	641	909	6,039
Artificial and synthetic fibers and filaments manufacturing	1	192,992	259,807	1,150,546
Nitrogenous fertilizer manufacturing	<1	24,402	69,380	285,923
Phosphatic fertilizer manufacturing	<1	1,998	4,317	20,326
Fertilizer mixing	<1	8,978	15,949	68,075
Pesticide and other agricultural chemical manufacturing	<1	11,752	30,918	161,545
Medicinal and botanical manufacturing	<1	4,463	5,606	19,484
Pharmaceutical preparation manufacturing	<1	54,767	110,813	314,188
In-vitro diagnostic substance manufacturing	<1	2,694	3,199	8,366
Biological product (except diagnostic) manufacturing	<1	6,561	12,820	38,661
Paint and coating manufacturing	<1	39,325	65,077	320,504
Adhesive manufacturing	<1	13,211	18,312	91,245
Soap and other detergent manufacturing	<1	6,571	13,531	62,216
Polish and other sanitation good manufacturing	<1	12,156	16,457	51,100
Surface active agent manufacturing	<1	5,844	15,664	44,114
Toilet preparation manufacturing	<1	12,046	26,228	111,381
Printing ink manufacturing	<1	19,905	21,385	87,503
Explosives manufacturing	<1	13,438	15,314	52,295
Custom compounding of purchased resins	<1	17,011	28,239	114,144
Photographic film and chemical manufacturing	<1	19,744	34,386	132,101
Other miscellaneous chemical product manufacturing	<1	20,949	28,602	121,473
Plastics packaging materials and unlaminated film and sheet manufacturing	2	138,566	232,488	809,521
Unlaminated plastics profile shape manufacturing	<1	2,812	6,629	21,398
Plastics pipe and pipe fitting manufacturing	<1	74,208	217,053	628,084

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	23,528	40,754	103,298
Polystyrene foam product manufacturing	<1	16,074	30,462	121,048
Urethane and other foam product (except polystyrene) manufacturing	<1	15,653	27,955	87,628
Plastics bottle manufacturing	<1	5,429	8,831	38,573
Other plastics product manufacturing	3	192,792	304,462	975,328
Tire manufacturing	1	112,742	153,813	499,171
Rubber and plastics hoses and belting manufacturing	<1	1,155	1,909	6,068
Other rubber product manufacturing	<1	9,342	12,280	45,158
Pottery, ceramics, and plumbing fixture manufacturing	<1	12,279	22,457	62,320
Brick, tile, and other structural clay product manufacturing	2	134,537	249,033	532,788
Flat glass manufacturing	<1	51,046	115,767	282,146
Other pressed and blown glass and glassware manufacturing	<1	3,026	5,745	11,224
Glass container manufacturing	<1	7,869	14,373	30,464
Glass product manufacturing made of purchased glass	<1	12,267	25,455	68,001
Cement manufacturing	<1	77,807	205,081	502,967
Ready-mix concrete manufacturing	8	693,934	1,263,944	3,823,492
Concrete block and brick manufacturing	3	270,635	534,996	1,247,945
Concrete pipe manufacturing	5	433,628	789,922	1,888,468
Other concrete product manufacturing	15	1,261,622	2,017,150	4,702,689
Lime manufacturing	<1	7,402	17,888	45,592
Gypsum product manufacturing	<1	51,420	173,304	404,278
Abrasive product manufacturing	<1	38,741	94,248	159,287
Cut stone and stone product manufacturing	<1	53,058	74,118	163,460
Ground or treated mineral and earth manufacturing	<1	17,116	44,783	99,507
Mineral wool manufacturing	<1	43,782	132,655	303,385
Miscellaneous nonmetallic mineral products manufacturing	3	240,608	623,661	1,333,947
Iron and steel mills and ferroalloy manufacturing	<1	122,245	388,019	1,919,134
Iron, steel pipe and tube manufacturing from purchased steel	<1	923	2,525	12,385

## Appendix

Rolled steel shape manufacturing	<1	2,368	10,963	55,645
Steel wire drawing	<1	3,831	9,235	33,327
Alumina refining and primary aluminum production	<1	1,827	3,586	22,149
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	8,588	22,928	99,541
Other aluminum rolling, drawing and extruding	<1	11,032	18,141	70,100
Nonferrous metal (exc aluminum) smelting and refining	<1	37	302	1,154
Copper rolling, drawing, extruding and alloying	<1	10,553	27,914	270,709
Nonferrous metal, except copper and aluminum, shaping	<1	1,212	1,621	7,374
Secondary processing of other nonferrous metals	<1	139	338	1,815
Ferrous metal foundries	<1	16,742	34,115	72,941
Nonferrous metal foundries	<1	12,052	17,891	41,421
Custom roll forming	<1	870	1,367	7,572
Crown and closure manufacturing and metal stamping	<1	10,434	14,392	46,584
Iron and steel forging	<1	3,135	4,601	16,877
Nonferrous forging	<1	4,354	5,915	20,500
Cutlery, utensil, pot, and pan manufacturing	<1	8,729	20,402	61,827
Handtool manufacturing	<1	4,389	7,740	20,328
Prefabricated metal buildings and components manufacturing	9	796,629	1,216,700	4,321,737
Fabricated structural metal manufacturing	4	366,839	589,443	1,877,379
Plate work manufacturing	<1	67,215	78,680	192,758
Metal window and door manufacturing	<1	63,616	94,364	272,126
Sheet metal work manufacturing	1	69,654	100,035	302,388
Ornamental and architectural metal work manufacturing	2	177,160	222,538	592,857
Power boiler and heat exchanger manufacturing	<1	12,114	17,541	46,903
Metal tank (heavy gauge) manufacturing	<1	50,474	65,645	223,374
Metal cans manufacturing	<1	8,617	17,801	89,082
Metal barrels, drums and pails manufacturing	<1	511	714	2,929
Hardware manufacturing	<1	13,292	20,823	69,456
Spring and wire product manufacturing	<1	7,792	10,850	36,092

## Appendix

Machine shops	2	126,452	155,109	339,114
Turned product and screw, nut, and bolt manufacturing	<1	7,256	9,795	29,315
Metal heat treating	<1	2,277	3,195	10,090
Metal coating and nonprecious engraving	<1	16,331	31,362	89,986
Electroplating, anodizing, and coloring metal	<1	35,350	39,395	88,123
Valve and fittings, other than plumbing, manufacturing	<1	5,132	8,227	24,734
Plumbing fixture fitting and trim manufacturing	<1	13,379	33,707	113,661
Ball and roller bearing manufacturing	<1	2,737	4,747	12,139
Small arms ammunition manufacturing	<1	4,053	10,323	21,881
Ammunition, except for small arms, manufacturing	<1	1,369	1,569	2,897
Small arms, ordnance, and accessories manufacturing	<1	3,743	8,981	25,336
Fabricated pipe and pipe fitting manufacturing	1	91,271	118,562	330,320
Other fabricated metal manufacturing	<1	66,004	92,128	265,927
Farm machinery and equipment manufacturing	<1	169	341	1,397
Lawn and garden equipment manufacturing	<1	880	1,637	7,736
Construction machinery manufacturing	<1	3,826	9,343	30,617
Mining machinery and equipment manufacturing	<1	975	1,444	4,374
Oil and gas field machinery and equipment manufacturing	<1	178	233	867
Semiconductor machinery manufacturing	<1	41	49	120
Food product machinery manufacturing	<1	706	824	2,441
Sawmill, woodworking, and paper machinery	<1	169	194	553
Printing machinery and equipment manufacturing	<1	137	154	542
All other industrial machinery manufacturing	<1	995	1,286	3,849
Optical instrument and lens manufacturing	<1	16,773	25,339	64,186
Photographic and photocopying equipment manufacturing	<1	120	149	456
Other commercial service industry machinery manufacturing	<1	47,192	78,322	232,341

## Appendix

Air purification and ventilation equipment manufacturing	<1	9,683	12,992	39,145
Heating equipment (except warm air furnaces) manufacturing	<1	28,904	46,991	141,494
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	87,686	152,535	473,968
Industrial mold manufacturing	<1	245	300	680
Special tool, die, jig, and fixture manufacturing	<1	1,430	1,911	4,325
Cutting tool and machine tool accessory manufacturing	<1	865	1,017	2,456
Machine tool manufacturing	<1	2,562	3,333	10,081
Rolling mill and other metalworking machinery manufacturing	<1	182	247	601
Turbine and turbine generator set units manufacturing	<1	21	24	55
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,772	8,054	19,089
Mechanical power transmission equipment manufacturing	<1	1,830	2,621	5,867
Other engine equipment manufacturing	<1	483	1,090	4,866
Pump and pumping equipment manufacturing	<1	18,397	31,881	94,568
Air and gas compressor manufacturing	<1	1,963	2,717	9,922
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	2,132	2,464	7,120
Overhead cranes, hoists, and monorail systems manufacturing	<1	11,291	21,168	74,850
Industrial truck, trailer, and stacker manufacturing	<1	1,305	2,198	6,646
Power-driven handtool manufacturing	<1	20,655	55,083	152,816
Welding and soldering equipment manufacturing	<1	498	736	2,585
Packaging machinery manufacturing	<1	2,200	3,275	8,678
Industrial process furnace and oven manufacturing	<1	52	63	186
Fluid power cylinder and actuator manufacturing	<1	9,355	13,398	35,878
Fluid power pump and motor manufacturing	0	0	0	0



## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	949	1,176	3,567
Electronic computer manufacturing	<1	1,131	1,503	5,556
Computer storage device manufacturing	<1	691	944	3,298
Computer terminals and other computer peripheral equipment manufacturing	<1	3,219	4,249	14,206
Telephone apparatus manufacturing	<1	327	480	1,333
Broadcast and wireless communications equipment manufacturing	<1	24,632	32,869	71,898
Other communications equipment manufacturing	<1	4,609	6,590	27,524
Audio and video equipment manufacturing	<1	2,676	3,882	14,178
Printed circuit assembly (electronic assembly) manufacturing	<1	6,921	9,392	38,674
Bare printed circuit board manufacturing	<1	3,665	4,335	12,814
Semiconductor and related device manufacturing	<1	24,332	34,091	152,008
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	18,930	23,261	71,341
Electronic connector manufacturing	<1	2,376	3,103	17,345
Other electronic component manufacturing	<1	2,480	2,919	10,233
Electromedical and electrotherapeutic apparatus manufacturing	<1	186	261	802
Search, detection, and navigation instruments manufacturing	<1	801	1,025	2,478
Automatic environmental control manufacturing	<1	9,035	11,209	30,472
Industrial process variable instruments manufacturing	<1	2,077	2,668	9,142
Totalizing fluid meter and counting device manufacturing	<1	617	1,014	1,901
Electricity and signal testing instruments manufacturing	<1	95	111	365
Analytical laboratory instrument manufacturing	<1	231	300	932
Irradiation apparatus manufacturing	<1	45	69	282

Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	497	637	2,025
Blank magnetic and optical recording media manufacturing	<1	4,430	11,219	68,241
Software and other prerecorded and record reproducing	<1	2,911	3,832	12,037
Electric lamp bulb and part manufacturing	<1	2,923	3,804	13,045
Lighting fixture manufacturing	2	118,029	138,755	563,143
Small electrical appliance manufacturing	<1	4,372	6,586	35,583
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	3,783	4,351	13,663
Motor and generator manufacturing	<1	16,211	22,154	99,179
Switchgear and switchboard apparatus manufacturing	<1	26,132	34,455	128,304
Relay and industrial control manufacturing	<1	10,950	12,267	35,326
Storage battery manufacturing	<1	306	377	1,233
Primary battery manufacturing	<1	101	-352	212
Fiber optic cable manufacturing	<1	32,071	39,568	207,570
Other communication and energy wire manufacturing	<1	11,479	15,223	69,333
Wiring device manufacturing	<1	13,723	20,139	72,016
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	266	287	824
Automobile manufacturing	<1	7,917	34,504	122,568
Light truck and utility vehicle manufacturing	<1	1,887	8,133	40,151
Heavy duty truck manufacturing	<1	618	1,513	6,479
Motor vehicle body manufacturing	<1	1,454	2,130	8,562
Truck trailer manufacturing	<1	279	403	1,770
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	4,408	5,672	25,180

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	16,012	29,448	134,496
Motor vehicle electrical and electronic equipment manufacturing	<1	16,315	24,624	124,238
Motor vehicle transmission and power train parts manufacturing	<1	35,348	58,252	254,423
Motor vehicle seating and interior trim manufacturing	<1	2,381	3,100	18,111
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	51,387	78,573	322,002
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	43,003	74,849	310,912
Aircraft manufacturing	<1	118	292	496
Aircraft engine and engine parts manufacturing	<1	214	836	1,253
Other aircraft parts and auxiliary equipment manufacturing	<1	24,463	43,814	77,568
Guided missile and space vehicle manufacturing	<1	19	48	70
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	198	390	613
Railroad rolling stock manufacturing	<1	875	1,062	4,116
Ship building and repairing	<1	14,218	25,142	46,855
Boat building	<1	459	934	2,324
Motorcycle, bicycle, and parts manufacturing	<1	401	2,525	4,593
Military armored vehicle, tank, and tank component manufacturing	<1	7,917	28,850	43,171
All other transportation equipment manufacturing	<1	458	1,503	3,679
Wood kitchen cabinet and countertop manufacturing	2	90,161	126,275	313,202
Upholstered household furniture manufacturing	<1	19,092	22,958	90,841
Nonupholstered wood household furniture manufacturing	<1	14,759	18,571	48,648
Other household nonupholstered furniture manufacturing	<1	2,117	4,209	13,868
Institutional furniture manufacturing	<1	3,146	3,471	12,272
Wood office furniture manufacturing	<1	4,929	6,353	20,037

## Appendix

Custom architectural woodwork and millwork	<1	7,672	7,572	21,054
Office furniture, except wood, manufacturing	<1	2,805	5,189	18,351
Showcase, partition, shelving, and locker manufacturing	<1	5,182	7,991	24,696
Mattress manufacturing	<1	6,777	14,926	57,276
Blind and shade manufacturing	<1	1,808	1,871	7,690
Surgical and medical instrument manufacturing	<1	5,601	7,535	16,296
Surgical appliance and supplies manufacturing	<1	10,185	16,361	47,088
Dental equipment and supplies manufacturing	<1	256	360	821
Ophthalmic goods manufacturing	<1	3,761	5,748	13,503
Dental laboratories	<1	8,961	9,813	18,933
Jewelry and silverware manufacturing	<1	7,654	15,252	44,783
Sporting and athletic goods manufacturing	<1	6,507	8,628	32,965
Doll, toy, and game manufacturing	<1	784	1,224	4,958
Office supplies (except paper) manufacturing	<1	4,095	6,017	18,127
Sign manufacturing	<1	21,483	20,028	50,936
Gasket, packing, and sealing device manufacturing	<1	5,488	6,033	15,315
Musical instrument manufacturing	<1	1,372	1,515	4,222
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	6,113	7,947	21,033
Burial casket manufacturing	<1	212	294	669
All other miscellaneous manufacturing	<1	29,341	37,602	97,001
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	195,359	482,946	1,121,487
Wholesale - Professional and commercial equipment and supplies	9	1,399,049	2,237,709	3,600,270
Wholesale - Household appliances and electrical and electronic goods	6	628,898	1,704,958	3,554,860
Wholesale - Machinery, equipment, and supplies	14	1,287,882	2,705,623	4,861,018
Wholesale - Other durable goods merchant wholesalers	40	3,613,459	7,192,724	14,560,869

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	3	398,806	1,068,321	2,312,867
Wholesale - Grocery and related product wholesalers	6	494,506	802,144	1,592,639
Wholesale - Petroleum and petroleum products	2	185,344	3,988,261	4,611,023
Wholesale - Other nondurable goods merchant wholesalers	11	940,262	2,525,086	4,705,031
Wholesale - Wholesale electronic markets and agents and brokers	10	1,645,706	1,905,071	2,169,698
Retail - Motor vehicle and parts dealers	11	860,494	1,305,522	1,791,814
Retail - Furniture and home furnishings stores	8	410,277	609,571	1,014,610
Retail - Electronics and appliance stores	7	504,803	485,748	759,239
Retail - Building material and garden equipment and supplies stores	59	2,933,738	6,417,095	8,940,699
Retail - Food and beverage stores	37	1,337,722	2,104,839	3,418,384
Retail - Health and personal care stores	14	656,825	900,254	1,366,319
Retail - Gasoline stores	11	489,905	1,161,726	2,057,554
Retail - Clothing and clothing accessories stores	15	455,507	891,516	1,823,221
Retail - Sporting goods, hobby, musical instrument and book stores	11	341,890	502,205	844,514
Retail - General merchandise stores	30	1,143,149	2,056,205	3,294,650
Retail - Miscellaneous store retailers	25	667,898	801,031	1,377,725
Retail - Nonstore retailers	33	528,736	3,959,402	6,893,444
Air transportation	4	495,560	1,088,394	2,145,348
Rail transportation	3	321,382	832,423	1,715,385
Water transportation	<1	161,830	493,636	986,069
Truck transportation	48	3,326,650	5,033,561	10,927,112
Transit and ground passenger transportation	31	521,691	874,907	1,366,599
Pipeline transportation	<1	89,201	224,464	375,932
Scenic and sightseeing transportation and support activities for transportation	13	1,538,649	1,327,349	1,861,933
Couriers and messengers	44	919,914	1,818,335	2,351,428
Warehousing and storage	25	1,603,186	1,728,688	2,981,865
Newspaper publishers	2	238,606	435,819	551,688
Periodical publishers	1	223,262	363,542	529,688
Book publishers	<1	53,395	162,789	303,600

## Appendix

Directory, mailing list, and other publishers	<1	28,791	76,191	128,385
Greeting card publishing	<1	1,415	5,351	8,079
Software publishers	20	3,805,847	8,194,715	10,329,560
Motion picture and video industries	3	320,367	515,816	1,076,760
Sound recording industries	<1	36,895	271,546	374,314
Radio and television broadcasting	4	744,047	1,154,839	2,599,919
Cable and other subscription programming	1	270,842	1,843,039	3,667,612
Wired telecommunications carriers	5	160,238	1,552,660	2,721,465
Wireless telecommunications carriers (except satellite)	1	10,595	1,757,817	3,596,926
Satellite, telecommunications resellers, and all other telecommunications	2	26,331	108,279	577,215
Data processing, hosting, and related services	9	1,533,980	3,147,316	7,134,034
News syndicates, libraries, archives and all other information services	1	116,564	183,784	399,376
Internet publishing and broadcasting and web search portals	4	664,467	1,744,184	5,773,594
Nondepository credit intermediation and related activities	16	2,643,007	2,829,468	3,886,444
Securities and commodity contracts intermediation and brokerage	18	1,647,527	1,224,185	2,356,338
Monetary authorities and depository credit intermediation	18	2,086,909	9,775,476	12,266,031
Other financial investment activities	26	2,102,496	2,302,120	5,293,496
Direct life insurance carriers	1	145,691	275,870	397,364
Insurance carriers, except direct life	13	1,302,300	3,701,895	8,233,059
Insurance agencies, brokerages, and related activities	14	1,352,525	2,031,764	4,672,110
Funds, trusts, and other financial vehicles	8	377,695	562,206	2,001,767
Other real estate	103	2,631,605	9,933,436	22,764,600
Tenant-occupied housing	13	308,956	5,476,256	5,809,525
Owner-occupied dwellings	0	0	21,446,829	25,882,771
Automotive equipment rental and leasing	2	201,951	810,933	987,364

## Appendix

General and consumer goods rental except video tapes and discs	4	239,013	462,350	654,478
Video tape and disc rental	1	57,765	103,083	172,838
Commercial and industrial machinery and equipment rental and leasing	11	1,163,176	3,727,625	4,598,206
Lessors of nonfinancial intangible assets	<1	17,277	542,434	587,859
Legal services	23	2,661,860	5,525,779	6,977,256
Accounting, tax preparation, bookkeeping, and payroll services	22	2,544,140	3,561,358	4,877,594
Architectural, engineering, and related services	40	4,656,386	5,318,964	8,584,507
Specialized design services	2	215,909	423,484	631,179
Custom computer programming services	4	601,327	614,293	800,357
Computer systems design services	12	1,789,760	1,725,758	2,085,548
Other computer related services, including facilities management	5	662,347	952,930	1,637,142
Management consulting services	85	12,197,594	12,697,181	17,979,016
Environmental and other technical consulting services	6	719,636	831,174	1,194,703
Scientific research and development services	189	24,134,321	27,870,678	50,840,895
Advertising, public relations, and related services	15	1,450,566	2,590,942	4,742,018
Photographic services	<1	29,156	89,054	175,052
Veterinary services	5	296,028	350,272	527,740
Marketing research and all other miscellaneous professional, scientific, and technical services	11	1,219,543	2,429,492	4,272,744
Management of companies and enterprises	45	7,520,779	8,940,006	13,090,187
Office administrative services	14	1,695,331	999,746	1,668,551
Facilities support services	2	170,070	239,799	468,197
Employment services	67	4,765,351	6,801,137	9,919,278
Business support services	16	1,079,862	986,419	1,555,089
Travel arrangement and reservation services	3	184,518	304,983	844,215
Investigation and security services	14	879,573	891,825	1,179,958
Services to buildings	25	1,000,037	1,454,864	2,903,851
Landscape and horticultural services	14	747,295	929,712	1,637,759
Other support services	5	280,369	363,331	728,110
Waste management and remediation services	6	447,729	750,030	1,546,424

## Appendix

Elementary and secondary schools	17	867,598	690,093	846,383
Junior colleges, colleges, universities, and professional schools	21	1,127,758	1,396,319	1,898,513
Other educational services	14	830,797	913,141	1,617,499
Offices of physicians	43	5,036,024	5,087,198	7,230,887
Offices of dentists	14	1,103,315	1,360,866	1,780,724
Offices of other health practitioners	12	720,965	1,164,231	1,453,014
Outpatient care centers	12	908,424	902,932	1,437,747
Medical and diagnostic laboratories	4	348,442	604,485	807,079
Home health care services	21	947,951	950,121	1,268,237
Other ambulatory health care services	4	276,154	335,448	503,440
Hospitals	67	6,249,043	7,555,474	13,851,384
Nursing and community care facilities	21	1,103,311	1,235,104	1,952,452
Residential mental retardation, mental health, substance abuse and other facilities	8	460,457	475,893	699,029
Individual and family services	39	1,388,142	1,244,865	1,732,984
Child day care services	17	578,633	921,251	1,194,306
Community food, housing, and other relief services, including rehabilitation services	10	432,377	409,723	846,726
Performing arts companies	4	135,471	223,563	411,027
Commercial Sports Except Racing	11	509,032	517,025	766,166
Racing and Track Operation	<1	34,417	53,187	93,115
Independent artists, writers, and performers	4	158,074	380,720	577,246
Promoters of performing arts and sports and agents for public figures	7	275,717	601,866	1,205,087
Museums, historical sites, zoos, and parks	2	106,588	127,673	217,926
Amusement parks and arcades	2	40,625	69,642	90,592
Gambling industries (except casino hotels)	5	217,281	658,050	882,845
Other amusement and recreation industries	9	280,608	291,872	422,764
Fitness and recreational sports centers	10	211,501	255,445	453,321
Bowling centers	<1	26,779	37,932	61,834
Hotels and motels, including casino hotels	7	302,051	588,483	893,201
Other accommodations	2	105,244	128,058	166,234



## Appendix

Full-service restaurants	71	2,431,382	3,581,164	6,761,283
Limited-service restaurants	64	1,843,386	2,875,728	6,544,587
All other food and drinking places	31	1,244,768	1,755,555	2,698,160
Automotive repair and maintenance, except car washes	31	1,998,145	2,209,010	3,192,575
Car washes	13	861,076	1,314,688	1,887,188
Electronic and precision equipment repair and maintenance	14	1,388,175	1,706,606	2,519,140
Commercial and industrial machinery and equipment repair and maintenance	9	742,720	872,393	1,282,509
Personal and household goods repair and maintenance	4	193,626	376,312	542,725
Personal care services	27	794,668	375,861	501,999
Death care services	5	170,070	97,079	147,751
Dry-cleaning and laundry services	8	261,907	133,455	189,056
Other personal services	15	465,709	572,094	834,306
Religious organizations	36	2,090,652	861,139	3,029,861
Grantmaking, giving, and social advocacy organizations	7	589,472	1,489,373	2,064,558
Business and professional associations	4	548,628	773,328	1,141,925
Labor and civic organizations	8	391,142	944,479	1,510,186
Private households	13	321,939	321,939	321,939
Postal service	9	932,360	935,160	935,490
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	112,048	188,565	467,078
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	2	277,037	17,359	80,554
Local government electric utilities	<1	15,519	38,964	95,474
Other local government enterprises	8	868,348	1,282,934	3,513,369
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	266	48,354,166	67,483,878	119,730,471

## Investments in Climate Change Research and Technology

**Table 765: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>3,964</i>	<i>377,608,967</i>	<i>571,976,749</i>	<i>1,001,382,565</i>
Oilseed farming	<1	39,602	230,698	264,262
Grain farming	3	83,780	276,980	707,169
Vegetable and melon farming	<1	25,160	68,344	114,763
Fruit farming	<1	11,705	30,764	40,314
Tree nut farming	<1	61	165	224
Greenhouse, nursery, and floriculture production	1	33,531	83,829	145,642
Tobacco farming	<1	7,351	13,718	22,805
Cotton farming	<1	5,882	13,186	22,588
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	9	35,947	79,892	148,207
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	5	46,751	193,062	391,105
Dairy cattle and milk production	<1	17,855	57,845	240,975
Poultry and egg production	3	46,738	135,813	1,192,781
Animal production, except cattle and poultry and eggs	6	126,402	497,901	562,804
Forestry, forest products, and timber tract production	<1	14,448	16,399	22,964

## Appendix

Commercial logging	1	62,880	71,543	120,076
Commercial fishing	<1	23,323	97,836	99,007
Commercial hunting and trapping	<1	4,579	10,108	12,375
Support activities for agriculture and forestry	6	199,129	207,990	241,123
Oil and gas extraction	<1	43,520	58,074	929,337
Coal mining	<1	33,989	122,121	183,379
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	1,394	3,299	5,568
Stone mining and quarrying	<1	31,418	153,074	231,729
Sand and gravel mining	<1	9,465	19,598	35,579
Other clay, ceramic, refractory minerals mining	<1	2,768	6,076	10,794
Potash, soda, and borate mineral mining	<1	502	821	1,615
Phosphate rock mining	<1	139	301	591
Other chemical and fertilizer mineral mining	<1	44	74	155
Other nonmetallic minerals	<1	922	1,904	3,710
Drilling oil and gas wells	<1	10	20	79
Support activities for oil and gas operations	<1	115	145	458
Metal mining services	<1	1,409	1,987	22,724
Other nonmetallic minerals services	<1	163	229	1,962
Electric power generation - Hydroelectric	<1	14,366	46,341	80,534
Electric power generation - Fossil fuel	<1	114,601	658,874	1,334,981
Electric power generation - Nuclear	2	315,350	892,799	1,679,904
Electric power generation - Solar	<1	45,226	127,779	191,844
Electric power generation - Wind	<1	4,523	59,098	96,056
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	7,093	30,890	75,750
Electric power generation - All other	<1	3,756	4,809	3,668
Electric power transmission and distribution	4	822,946	4,112,877	7,725,785

## Appendix

Natural gas distribution	1	192,214	951,254	1,711,875
Water, sewage and other systems	<1	51,553	143,301	230,639
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	25	1,714,993	1,763,790	3,720,066
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	11	695,036	1,236,901	2,896,409
Maintenance and repair construction of residential structures	7	395,188	642,981	1,486,405
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	299	531	1,247
Dog and cat food manufacturing	<1	13,354	59,064	208,696
Other animal food manufacturing	<1	32,877	85,158	559,228
Flour milling	<1	7,277	23,909	110,670
Rice milling	0	0	0	0
Malt manufacturing	<1	2,698	6,991	31,457
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	4,631	20,795	105,835
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	1,269	6,149	32,212
Nonchocolate confectionery manufacturing	<1	994	1,935	11,775

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	164	370	3,597
Confectionery manufacturing from purchased chocolate	<1	37,555	73,651	217,631
Frozen fruits, juices and vegetables manufacturing	<1	8,228	27,270	84,964
Frozen specialties manufacturing	<1	12,079	21,874	80,070
Canned fruits and vegetables manufacturing	<1	10,641	32,024	105,032
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1,074	3,043	8,970
Cheese manufacturing	<1	21,517	41,045	282,217
Dry, condensed, and evaporated dairy product manufacturing	<1	5,602	22,785	82,111
Fluid milk manufacturing	<1	52,774	121,274	507,528
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,633	3,215	14,997
Frozen cakes and other pastries manufacturing	1	45,158	74,143	140,036
Poultry processing	4	261,054	381,715	1,588,778
Animal, except poultry, slaughtering	1	75,765	108,671	913,528
Meat processed from carcasses	1	77,643	80,543	711,258
Rendering and meat byproduct processing	<1	2,402	3,193	15,212
Seafood product preparation and packaging	<1	37,424	69,709	299,303
Bread and bakery product, except frozen, manufacturing	3	146,752	271,217	606,969
Cookie and cracker manufacturing	<1	55,584	103,380	246,531
Dry pasta, mixes, and dough manufacturing	<1	7,694	29,784	73,539
Tortilla manufacturing	<1	697	1,201	3,551
Roasted nuts and peanut butter manufacturing	<1	18,439	73,526	182,538
Other snack food manufacturing	<1	27,022	102,497	286,877
Coffee and tea manufacturing	<1	18,522	51,066	185,690
Flavoring syrup and concentrate manufacturing	<1	3,774	57,550	62,000
Mayonnaise, dressing, and sauce manufacturing	<1	3,426	10,301	36,777
Spice and extract manufacturing	<1	3,126	7,419	27,660
All other food manufacturing	<1	25,557	48,756	176,047
Bottled and canned soft drinks & water	1	91,447	227,461	799,620
Manufactured ice	<1	5,331	5,148	16,566

## Appendix

Breweries	2	103,099	284,132	622,579
Wineries	1	65,391	166,762	551,508
Distilleries	<1	12,944	81,227	169,704
Tobacco product manufacturing	<1	37,885	1,349,253	1,821,585
Fiber, yarn, and thread mills	<1	2,868	4,440	22,328
Broadwoven fabric mills	<1	10,578	18,536	69,921
Narrow fabric mills and schiffli machine embroidery	<1	1,122	1,400	5,672
Nonwoven fabric mills	<1	22,829	49,880	159,010
Knit fabric mills	<1	181	297	797
Textile and fabric finishing mills	<1	2,960	4,822	18,814
Fabric coating mills	<1	3,712	5,696	23,812
Carpet and rug mills	<1	13,189	24,166	83,177
Curtain and linen mills	<1	9,303	14,337	46,877
Textile bag and canvas mills	<1	5,958	10,024	25,926
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,367	6,480	16,751
Other textile product mills	<1	10,032	14,019	38,549
Hosiery and sock mills	<1	732	959	2,281
Other apparel knitting mills	<1	778	1,105	2,793
Cut and sew apparel contractors	<1	2,686	2,755	5,589
Men's and boys' cut and sew apparel manufacturing	<1	5,374	4,362	11,834
Women's and girls' cut and sew apparel manufacturing	<1	6,126	1,582	18,386
Other cut and sew apparel manufacturing	<1	2,921	2,018	7,394
Apparel accessories and other apparel manufacturing	<1	2,605	2,049	6,681
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	1,269	1,188	6,414
Other leather and allied product manufacturing	<1	1,272	1,140	5,252
Sawmills	1	71,905	143,977	550,640
Wood preservation	<1	10,944	35,924	99,738
Veneer and plywood manufacturing	<1	29,770	52,182	169,295
Engineered wood member and truss manufacturing	<1	17,277	31,711	96,930
Reconstituted wood product manufacturing	<1	16,395	57,466	174,573
Wood windows and door manufacturing	2	110,383	161,271	483,128
Cut stock, resawing lumber, and planing	<1	16,600	38,510	112,281

## Appendix

Other millwork, including flooring	<1	29,215	53,061	154,529
Wood container and pallet manufacturing	<1	30,444	45,736	129,342
Manufactured home (mobile home) manufacturing	<1	32	48	143
Prefabricated wood building manufacturing	<1	8,866	17,297	50,274
All other miscellaneous wood product manufacturing	<1	15,599	24,730	80,852
Pulp mills	0	0	0	0
Paper mills	<1	104,860	232,107	754,348
Paperboard mills	<1	113,516	226,341	847,930
Paperboard container manufacturing	1	95,174	142,383	677,312
Paper bag and coated and treated paper manufacturing	<1	20,124	30,925	121,504
Stationery product manufacturing	<1	8,649	11,054	48,351
Sanitary paper product manufacturing	<1	16,370	45,180	193,441
All other converted paper product manufacturing	<1	14,384	23,701	83,568
Printing	6	346,445	502,620	1,119,597
Support activities for printing	<1	7,623	11,031	17,528
Petroleum refineries	<1	16,556	96,949	780,486
Asphalt paving mixture and block manufacturing	<1	16,494	21,682	102,786
Asphalt shingle and coating materials manufacturing	<1	3,090	7,698	27,284
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	3,003	7,192	29,311
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	15,821	31,077	110,032
Synthetic dye and pigment manufacturing	<1	1,222	1,703	5,887
Other basic inorganic chemical manufacturing	<1	3,402	5,230	21,273
Other basic organic chemical manufacturing	<1	58,305	102,060	767,801
Plastics material and resin manufacturing	<1	16,783	23,650	178,707
Synthetic rubber manufacturing	<1	846	1,110	6,913
Artificial and synthetic fibers and filaments manufacturing	1	138,439	185,957	835,592
Nitrogenous fertilizer manufacturing	<1	2,642	6,405	35,580

## Appendix

Phosphatic fertilizer manufacturing	<1	601	1,049	5,181
Fertilizer mixing	<1	1,757	2,630	12,647
Pesticide and other agricultural chemical manufacturing	<1	20,441	47,582	253,166
Medicinal and botanical manufacturing	<1	3,691	4,528	17,330
Pharmaceutical preparation manufacturing	<1	62,512	111,424	343,851
In-vitro diagnostic substance manufacturing	<1	1,820	2,199	5,697
Biological product (except diagnostic) manufacturing	<1	4,822	9,892	31,822
Paint and coating manufacturing	<1	17,265	25,400	127,390
Adhesive manufacturing	<1	2,616	3,416	17,925
Soap and other detergent manufacturing	<1	6,234	12,016	66,103
Polish and other sanitation good manufacturing	<1	14,628	18,442	60,876
Surface active agent manufacturing	<1	7,590	19,908	58,839
Toilet preparation manufacturing	<1	14,426	28,083	125,896
Printing ink manufacturing	<1	20,974	22,647	91,871
Explosives manufacturing	<1	3,782	4,141	13,815
Custom compounding of purchased resins	<1	17,617	22,917	109,318
Photographic film and chemical manufacturing	<1	27,387	46,092	191,600
Other miscellaneous chemical product manufacturing	<1	22,937	28,980	122,542
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	69,283	114,788	418,709
Unlaminated plastics profile shape manufacturing	<1	2,703	6,286	21,474
Plastics pipe and pipe fitting manufacturing	<1	7,355	21,115	60,691
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	23,741	40,150	105,624
Polystyrene foam product manufacturing	<1	8,604	15,786	65,958
Urethane and other foam product (except polystyrene) manufacturing	<1	8,323	14,460	47,500
Plastics bottle manufacturing	<1	5,493	8,891	40,286
Other plastics product manufacturing	2	110,449	167,383	567,081
Tire manufacturing	<1	99,568	128,229	448,286



## Appendix

Rubber and plastics hoses and belting manufacturing	<1	1,924	3,105	9,568
Other rubber product manufacturing	<1	15,725	20,506	74,140
Pottery, ceramics, and plumbing fixture manufacturing	<1	848	1,545	4,433
Brick, tile, and other structural clay product manufacturing	<1	12,699	25,221	51,601
Flat glass manufacturing	<1	5,119	12,183	30,273
Other pressed and blown glass and glassware manufacturing	<1	4,874	9,143	18,059
Glass container manufacturing	<1	12,222	21,989	46,659
Glass product manufacturing made of purchased glass	<1	16,866	36,297	93,888
Cement manufacturing	<1	5,037	14,169	33,674
Ready-mix concrete manufacturing	<1	64,978	124,911	367,322
Concrete block and brick manufacturing	<1	15,081	31,971	71,796
Concrete pipe manufacturing	<1	17,926	35,252	78,655
Other concrete product manufacturing	<1	66,022	112,839	245,780
Lime manufacturing	<1	5,659	15,178	36,068
Gypsum product manufacturing	<1	18,390	65,903	150,418
Abrasive product manufacturing	<1	5,066	13,197	21,721
Cut stone and stone product manufacturing	<1	20,874	29,935	65,480
Ground or treated mineral and earth manufacturing	<1	4,371	12,706	26,486
Mineral wool manufacturing	<1	3,385	11,376	26,117
Miscellaneous nonmetallic mineral products manufacturing	<1	5,405	15,957	34,021
Iron and steel mills and ferroalloy manufacturing	<1	33,685	108,691	544,531
Iron, steel pipe and tube manufacturing from purchased steel	<1	227	634	3,031
Rolled steel shape manufacturing	<1	522	2,470	11,998
Steel wire drawing	<1	285	716	2,491
Alumina refining and primary aluminum production	<1	2,139	4,227	24,961
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	2,847	7,591	32,705
Other aluminum rolling, drawing and extruding	<1	4,660	7,904	30,232
Nonferrous metal (exc aluminum) smelting and refining	<1	45	449	1,535

## Appendix

Copper rolling, drawing, extruding and alloying	<1	2,895	7,912	79,983
Nonferrous metal, except copper and aluminum, shaping	<1	1,139	1,543	7,085
Secondary processing of other nonferrous metals	<1	105	276	1,439
Ferrous metal foundries	<1	8,732	18,008	38,340
Nonferrous metal foundries	<1	11,457	17,362	40,834
Custom roll forming	<1	265	411	2,237
Crown and closure manufacturing and metal stamping	<1	10,982	15,049	50,036
Iron and steel forging	<1	2,401	3,480	13,295
Nonferrous forging	<1	3,186	4,273	15,249
Cutlery, utensil, pot, and pan manufacturing	<1	4,667	11,317	35,062
Handtool manufacturing	<1	2,628	4,495	12,389
Prefabricated metal buildings and components manufacturing	<1	14,102	23,004	78,930
Fabricated structural metal manufacturing	<1	72,294	114,371	372,612
Plate work manufacturing	<1	48,261	55,876	143,906
Metal window and door manufacturing	<1	5,006	7,359	22,453
Sheet metal work manufacturing	<1	21,047	30,562	96,387
Ornamental and architectural metal work manufacturing	<1	21,883	27,841	76,884
Power boiler and heat exchanger manufacturing	<1	3,192	4,561	12,352
Metal tank (heavy gauge) manufacturing	<1	1,346	1,734	6,324
Metal cans manufacturing	<1	10,894	22,257	113,190
Metal barrels, drums and pails manufacturing	<1	440	606	2,572
Hardware manufacturing	<1	5,059	7,984	27,073
Spring and wire product manufacturing	<1	6,211	8,613	29,079
Machine shops	<1	62,471	76,605	169,983
Turned product and screw, nut, and bolt manufacturing	<1	3,074	4,137	12,593
Metal heat treating	<1	922	1,278	3,998
Metal coating and nonprecious engraving	<1	6,885	13,012	38,368
Electroplating, anodizing, and coloring metal	<1	12,416	13,804	31,118
Valve and fittings, other than plumbing, manufacturing	<1	779	1,227	3,656
Plumbing fixture fitting and trim manufacturing	<1	1,414	3,677	11,950

## Appendix

Ball and roller bearing manufacturing	<1	2,796	4,859	12,601
Small arms ammunition manufacturing	<1	4,922	11,665	26,869
Ammunition, except for small arms, manufacturing	<1	1,092	1,244	2,347
Small arms, ordnance, and accessories manufacturing	<1	4,231	9,857	29,992
Fabricated pipe and pipe fitting manufacturing	<1	10,657	13,968	38,939
Other fabricated metal manufacturing	<1	12,817	17,917	53,475
Farm machinery and equipment manufacturing	<1	355	694	2,992
Lawn and garden equipment manufacturing	<1	723	1,310	6,532
Construction machinery manufacturing	<1	677	1,527	5,829
Mining machinery and equipment manufacturing	<1	410	620	1,919
Oil and gas field machinery and equipment manufacturing	<1	278	371	1,276
Semiconductor machinery manufacturing	<1	69	84	205
Food product machinery manufacturing	<1	99	115	333
Sawmill, woodworking, and paper machinery	<1	223	256	764
Printing machinery and equipment manufacturing	<1	94	106	360
All other industrial machinery manufacturing	<1	2,027	2,642	7,419
Optical instrument and lens manufacturing	<1	479	716	1,797
Photographic and photocopying equipment manufacturing	<1	135	168	528
Other commercial service industry machinery manufacturing	<1	1,907	3,179	9,417
Air purification and ventilation equipment manufacturing	<1	2,020	2,699	8,408
Heating equipment (except warm air furnaces) manufacturing	<1	5,395	8,684	28,079
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	23,679	43,001	137,773
Industrial mold manufacturing	<1	170	210	502
Special tool, die, jig, and fixture manufacturing	<1	464	633	1,474

Appendix

Cutting tool and machine tool accessory manufacturing	<1	676	799	1,974
Machine tool manufacturing	<1	615	800	2,443
Rolling mill and other metalworking machinery manufacturing	<1	136	187	475
Turbine and turbine generator set units manufacturing	<1	41	45	110
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,175	7,666	18,867
Mechanical power transmission equipment manufacturing	<1	2,263	3,346	7,533
Other engine equipment manufacturing	<1	710	1,724	7,658
Pump and pumping equipment manufacturing	<1	730	1,281	3,827
Air and gas compressor manufacturing	<1	189	265	984
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	719	827	2,468
Overhead cranes, hoists, and monorail systems manufacturing	<1	448	831	3,046
Industrial truck, trailer, and stacker manufacturing	<1	842	1,467	4,430
Power-driven handtool manufacturing	<1	8,880	25,691	71,142
Welding and soldering equipment manufacturing	<1	36	58	262
Packaging machinery manufacturing	<1	1,625	2,439	6,538
Industrial process furnace and oven manufacturing	<1	5	7	21
Fluid power cylinder and actuator manufacturing	<1	1,711	2,509	6,639
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	185	234	724
Electronic computer manufacturing	<1	92,960	124,689	443,425
Computer storage device manufacturing	<1	751	983	3,495
Computer terminals and other computer peripheral equipment manufacturing	<1	24,904	34,299	99,139
Telephone apparatus manufacturing	<1	682	931	2,639

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	4,887	5,840	15,874
Other communications equipment manufacturing	<1	3,446	4,785	19,700
Audio and video equipment manufacturing	<1	2,218	3,144	12,990
Printed circuit assembly (electronic assembly) manufacturing	<1	12,291	16,080	68,721
Bare printed circuit board manufacturing	<1	12,178	13,805	37,235
Semiconductor and related device manufacturing	<1	40,887	56,450	262,981
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,167	2,531	10,613
Electronic connector manufacturing	<1	6,727	8,585	49,657
Other electronic component manufacturing	<1	5,727	6,599	23,599
Electromedical and electrotherapeutic apparatus manufacturing	<1	181	243	780
Search, detection, and navigation instruments manufacturing	1	213,646	295,471	726,783
Automatic environmental control manufacturing	<1	1,409	1,726	4,853
Industrial process variable instruments manufacturing	<1	729	928	3,228
Totalizing fluid meter and counting device manufacturing	<1	841	1,280	2,621
Electricity and signal testing instruments manufacturing	<1	1,491	1,745	6,008
Analytical laboratory instrument manufacturing	3	377,392	542,582	1,513,363
Irradiation apparatus manufacturing	<1	48	70	307
Watch, clock, and other measuring and controlling device manufacturing	<1	545	686	2,395
Blank magnetic and optical recording media manufacturing	<1	2,806	7,664	48,853
Software and other prerecorded and record reproducing	<1	2,769	3,628	12,174
Electric lamp bulb and part manufacturing	<1	2,097	2,655	9,589
Lighting fixture manufacturing	<1	7,664	8,802	39,199
Small electrical appliance manufacturing	<1	991	1,416	8,396

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	3,057	3,646	11,679
Motor and generator manufacturing	<1	10,349	14,113	63,095
Switchgear and switchboard apparatus manufacturing	<1	7,065	9,424	36,073
Relay and industrial control manufacturing	<1	5,037	5,662	17,245
Storage battery manufacturing	<1	323	400	1,388
Primary battery manufacturing	<1	102	-229	203
Fiber optic cable manufacturing	<1	15,703	19,698	108,190
Other communication and energy wire manufacturing	<1	2,499	3,146	15,293
Wiring device manufacturing	<1	4,924	6,633	25,157
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	74,659	80,288	227,958
Automobile manufacturing	<1	12,444	69,258	220,593
Light truck and utility vehicle manufacturing	<1	3,070	16,475	73,993
Heavy duty truck manufacturing	<1	761	1,865	8,938
Motor vehicle body manufacturing	<1	2,020	2,991	11,399
Truck trailer manufacturing	<1	369	545	2,361
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	8,346	11,214	48,313
Motor vehicle gasoline engine and engine parts manufacturing	<1	18,291	34,473	156,738
Motor vehicle electrical and electronic equipment manufacturing	<1	24,824	37,900	203,192
Motor vehicle transmission and power train parts manufacturing	<1	26,185	45,894	217,992
Motor vehicle seating and interior trim manufacturing	<1	4,261	5,618	32,403
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	63,451	101,936	407,748

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	43,783	73,305	315,362
Aircraft manufacturing	1	204,573	419,871	919,836
Aircraft engine and engine parts manufacturing	<1	2,718	10,118	15,519
Other aircraft parts and auxiliary equipment manufacturing	3	263,179	474,705	889,001
Guided missile and space vehicle manufacturing	<1	363	871	1,292
Propulsion units and parts for space vehicles and guided missiles manufacturing	2	254,885	464,150	757,745
Railroad rolling stock manufacturing	<1	516	634	2,508
Ship building and repairing	<1	8,519	15,228	28,339
Boat building	<1	1,304	2,715	6,863
Motorcycle, bicycle, and parts manufacturing	<1	733	5,799	9,454
Military armored vehicle, tank, and tank component manufacturing	<1	25,660	98,483	151,109
All other transportation equipment manufacturing	<1	1,087	3,905	9,376
Wood kitchen cabinet and countertop manufacturing	<1	33,002	49,063	122,604
Upholstered household furniture manufacturing	<1	22,164	26,539	103,548
Nonupholstered wood household furniture manufacturing	<1	16,867	21,293	57,376
Other household nonupholstered furniture manufacturing	<1	2,637	5,318	19,048
Institutional furniture manufacturing	<1	151	172	667
Wood office furniture manufacturing	<1	37	55	180
Custom architectural woodwork and millwork	<1	1,070	1,054	3,085
Office furniture, except wood, manufacturing	<1	195	438	1,421
Showcase, partition, shelving, and locker manufacturing	<1	2,171	3,558	11,096
Mattress manufacturing	<1	9,748	21,282	83,555
Blind and shade manufacturing	<1	2,938	3,016	12,068
Surgical and medical instrument manufacturing	<1	6,643	8,743	20,009
Surgical appliance and supplies manufacturing	<1	10,799	16,996	50,820

## Appendix

Dental equipment and supplies manufacturing	<1	283	385	904
Ophthalmic goods manufacturing	<1	6,060	9,030	21,470
Dental laboratories	<1	10,835	11,766	22,845
Jewelry and silverware manufacturing	<1	11,182	21,463	64,096
Sporting and athletic goods manufacturing	<1	8,700	11,381	45,304
Doll, toy, and game manufacturing	<1	864	1,269	5,536
Office supplies (except paper) manufacturing	<1	2,236	2,940	11,945
Sign manufacturing	<1	29,000	26,603	69,673
Gasket, packing, and sealing device manufacturing	<1	6,954	7,576	19,461
Musical instrument manufacturing	<1	975	1,041	2,995
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	3,257	3,849	11,374
Burial casket manufacturing	<1	456	610	1,536
All other miscellaneous manufacturing	<1	38,104	48,410	130,290
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	210,815	521,954	1,191,672
Wholesale - Professional and commercial equipment and supplies	8	1,297,720	2,078,398	3,367,941
Wholesale - Household appliances and electrical and electronic goods	3	385,027	1,056,372	2,204,760
Wholesale - Machinery, equipment, and supplies	5	426,512	902,724	1,619,826
Wholesale - Other durable goods merchant wholesalers	10	869,456	1,753,620	3,542,729
Wholesale - Drugs and druggists'sundries	3	471,006	1,286,362	2,818,021
Wholesale - Grocery and related product wholesalers	8	635,207	1,041,608	2,069,000
Wholesale - Petroleum and petroleum products	1	112,776	1,948,040	2,322,039
Wholesale - Other nondurable goods merchant wholesalers	10	812,361	2,081,806	3,983,856
Wholesale - Wholesale electronic markets and agents and brokers	6	995,431	1,161,875	1,335,279
Retail - Motor vehicle and parts dealers	14	1,068,957	1,620,808	2,236,860
Retail - Furniture and home furnishings stores	10	476,563	705,970	1,183,686



## Appendix

Retail - Electronics and appliance stores	9	580,217	557,243	896,503
Retail - Building material and garden equipment and supplies stores	11	527,418	1,188,811	1,678,016
Retail - Food and beverage stores	44	1,563,806	2,470,900	4,039,188
Retail - Health and personal care stores	18	805,799	1,105,981	1,705,873
Retail - Gasoline stores	13	535,994	1,308,943	2,365,564
Retail - Clothing and clothing accessories stores	19	550,461	1,102,501	2,317,369
Retail - Sporting goods, hobby, musical instrument and book stores	13	386,753	570,638	973,883
Retail - General merchandise stores	37	1,372,508	2,468,538	3,995,154
Retail - Miscellaneous store retailers	30	772,886	924,060	1,617,974
Retail - Nonstore retailers	37	617,118	4,529,737	7,863,641
Air transportation	6	694,805	1,497,534	3,029,366
Rail transportation	1	172,016	491,931	958,759
Water transportation	<1	160,826	443,695	1,019,548
Truck transportation	25	1,615,632	2,478,340	5,527,835
Transit and ground passenger transportation	34	453,401	777,901	1,327,006
Pipeline transportation	<1	113,885	246,778	411,918
Scenic and sightseeing transportation and support activities for transportation	14	1,567,626	1,406,491	1,964,781
Couriers and messengers	41	843,514	1,800,384	2,308,964
Warehousing and storage	24	1,483,916	1,590,298	2,790,146
Newspaper publishers	2	247,474	396,834	541,773
Periodical publishers	1	181,282	248,958	412,205
Book publishers	<1	55,642	142,137	290,663
Directory, mailing list, and other publishers	<1	41,728	94,983	166,773
Greeting card publishing	<1	1,766	5,649	8,914
Software publishers	54	9,438,845	16,727,696	22,905,828
Motion picture and video industries	4	348,106	548,762	1,258,181
Sound recording industries	<1	41,983	290,777	434,552
Radio and television broadcasting	5	855,567	1,330,263	3,404,697
Cable and other subscription programming	2	282,407	1,849,035	3,994,679
Wired telecommunications carriers	7	215,335	1,905,644	3,429,147

## Appendix

Wireless telecommunications carriers (except satellite)	2	14,514	1,889,277	4,231,600
Satellite, telecommunications resellers, and all other telecommunications	3	35,842	156,236	778,943
Data processing, hosting, and related services	34	5,207,238	10,557,534	25,175,440
News syndicates, libraries, archives and all other information services	1	129,021	200,786	453,493
Internet publishing and broadcasting and web search portals	5	770,059	2,004,739	6,941,901
Nondepository credit intermediation and related activities	18	2,746,206	2,918,851	4,165,153
Securities and commodity contracts intermediation and brokerage	24	1,657,480	1,277,713	2,811,882
Monetary authorities and depository credit intermediation	26	2,913,692	10,966,476	15,091,038
Other financial investment activities	30	1,912,303	2,091,906	5,534,833
Direct life insurance carriers	2	206,904	377,499	570,572
Insurance carriers, except direct life	17	1,609,148	4,424,358	10,473,155
Insurance agencies, brokerages, and related activities	20	1,838,821	2,750,741	6,532,314
Funds, trusts, and other financial vehicles	11	409,270	575,649	2,401,614
Other real estate	144	3,335,132	12,860,166	30,883,554
Tenant-occupied housing	17	369,820	6,324,914	6,784,539
Owner-occupied dwellings	0	0	25,280,308	30,623,447
Automotive equipment rental and leasing	3	224,915	848,106	1,076,217
General and consumer goods rental except video tapes and discs	4	249,087	481,168	692,701
Video tape and disc rental	1	75,025	133,876	223,123
Commercial and industrial machinery and equipment rental and leasing	3	329,766	1,025,724	1,292,395
Lessors of nonfinancial intangible assets	<1	34,462	905,102	986,035
Legal services	33	3,798,429	7,462,931	9,664,023
Accounting, tax preparation, bookkeeping, and payroll services	24	2,620,354	3,571,832	5,089,861
Architectural, engineering, and related services	56	5,833,921	6,619,954	11,980,959
Specialized design services	2	193,302	368,348	584,623

## Appendix

Custom computer programming services	8	962,432	989,099	1,330,874
Computer systems design services	104	12,936,417	12,427,095	15,544,423
Other computer related services, including facilities management	10	1,185,255	1,678,238	2,912,374
Management consulting services	141	18,620,968	19,283,218	28,198,397
Environmental and other technical consulting services	10	1,268,097	1,429,276	2,102,527
Scientific research and development services	457	56,363,719	66,945,917	122,454,181
Advertising, public relations, and related services	18	1,632,364	2,848,097	5,445,691
Photographic services	<1	40,593	114,605	243,926
Veterinary services	6	351,095	409,271	631,701
Marketing research and all other miscellaneous professional, scientific, and technical services	15	1,584,274	3,081,227	5,648,619
Management of companies and enterprises	60	9,264,074	10,933,552	16,564,977
Office administrative services	19	2,088,317	1,142,184	2,122,180
Facilities support services	33	2,472,669	3,377,684	6,917,418
Employment services	120	7,380,494	10,284,708	16,175,011
Business support services	22	1,337,852	1,196,317	2,031,406
Travel arrangement and reservation services	4	247,662	405,582	1,185,407
Investigation and security services	19	1,079,028	1,091,381	1,506,698
Services to buildings	28	1,034,435	1,464,957	3,088,535
Landscape and horticultural services	15	749,393	917,636	1,698,104
Other support services	6	310,448	396,948	837,087
Waste management and remediation services	5	411,810	695,779	1,447,031
Elementary and secondary schools	17	822,752	662,649	823,827
Junior colleges, colleges, universities, and professional schools	108	5,111,207	6,309,390	8,804,971
Other educational services	16	889,909	972,046	1,773,351
Offices of physicians	54	6,063,344	6,101,810	8,787,640
Offices of dentists	17	1,314,646	1,581,383	2,105,131
Offices of other health practitioners	15	922,017	1,412,464	1,794,812
Outpatient care centers	14	1,053,536	1,041,524	1,645,453
Medical and diagnostic laboratories	5	427,790	704,715	968,703
Home health care services	25	1,080,272	1,077,209	1,450,162

## Appendix

Other ambulatory health care services	5	333,950	396,476	605,175
Hospitals	66	6,291,807	7,499,452	13,748,115
Nursing and community care facilities	23	1,153,004	1,282,901	2,093,442
Residential mental retardation, mental health, substance abuse and other facilities	8	423,524	436,869	657,569
Individual and family services	42	1,372,349	1,212,117	1,741,476
Child day care services	19	613,476	928,847	1,239,339
Community food, housing, and other relief services, including rehabilitation services	9	390,075	367,935	789,684
Performing arts companies	5	145,653	237,293	467,540
Commercial Sports Except Racing	13	644,186	574,051	899,585
Racing and Track Operation	<1	34,015	56,449	104,268
Independent artists, writers, and performers	5	169,076	413,079	648,566
Promoters of performing arts and sports and agents for public figures	9	285,157	629,496	1,364,719
Museums, historical sites, zoos, and parks	2	104,658	123,760	219,773
Amusement parks and arcades	2	45,008	77,407	102,012
Gambling industries (except casino hotels)	6	244,816	716,742	983,645
Other amusement and recreation industries	11	319,431	332,495	491,062
Fitness and recreational sports centers	11	220,734	262,076	482,706
Bowling centers	1	31,062	43,756	72,791
Hotels and motels, including casino hotels	10	414,987	848,547	1,296,579
Other accommodations	2	105,134	129,306	170,938
Full-service restaurants	95	3,126,528	4,629,017	8,888,700
Limited-service restaurants	83	2,244,901	3,522,060	8,278,995
All other food and drinking places	40	1,520,766	2,189,144	3,440,858
Automotive repair and maintenance, except car washes	31	1,902,302	2,219,630	3,225,036
Car washes	14	953,787	1,463,621	2,119,473
Electronic and precision equipment repair and maintenance	71	6,508,494	8,334,084	12,614,281
Commercial and industrial machinery and equipment repair and maintenance	7	548,824	660,361	1,006,042
Personal and household goods repair and maintenance	5	225,507	487,732	696,008

## Appendix

Personal care services	32	919,602	520,686	677,536
Death care services	6	181,067	119,770	179,134
Dry-cleaning and laundry services	11	342,834	206,250	286,487
Other personal services	19	574,629	738,720	1,081,594
Religious organizations	32	1,870,764	930,356	2,882,547
Grantmaking, giving, and social advocacy organizations	6	479,056	1,468,923	1,986,131
Business and professional associations	4	478,567	785,657	1,159,717
Labor and civic organizations	8	351,149	1,032,657	1,573,732
Private households	18	369,749	369,749	370,751
Postal service	10	987,390	989,807	995,459
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	119,668	187,003	479,207
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	3	298,362	42,178	125,110
Local government electric utilities	<1	21,348	64,174	153,028
Other local government enterprises	12	1,172,206	2,371,443	5,542,681
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	648	117,632,380	162,703,048	287,245,039

## Washington

## NASA

Table 766: Detailed NASA Impacts by Types of Impact, Washington

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>3,247</i>	<i>329,619,104</i>	<i>550,933,087</i>	<i>884,031,384</i>
Oilseed farming	<1	23,319	195,327	223,770
Grain farming	7	453,330	1,341,700	2,941,156
Vegetable and melon farming	3	119,395	260,006	402,489
Fruit farming	4	146,578	317,356	399,825
Tree nut farming	<1	370	817	1,062
Greenhouse, nursery, and floriculture production	2	61,123	111,281	152,687
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	1,658	3,006	4,164
All other crop farming	5	88,584	155,913	222,068
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	5	131,188	604,845	1,322,447
Dairy cattle and milk production	1	61,250	155,875	628,762
Poultry and egg production	1	53,243	97,913	695,100
Animal production, except cattle and poultry and eggs	3	175,920	656,162	743,482
Forestry, forest products, and timber tract production	<1	8,462	9,507	11,771
Commercial logging	<1	92,156	97,718	137,281
Commercial fishing	1	231,472	99,718	100,645
Commercial hunting and trapping	<1	511	593	695
Support activities for agriculture and forestry	10	521,391	548,353	601,130
Oil and gas extraction	<1	1,030	1,774	518,362
Coal mining	<1	4,291	13,922	29,750
Copper, nickel, lead, and zinc mining	<1	14,974	67,397	133,366
Iron ore mining	<1	12,298	28,370	73,723
Gold ore mining	<1	3,242	10,170	24,505
Silver ore mining	<1	968	2,140	5,491
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	15,707	60,298	109,775
Sand and gravel mining	<1	26,697	48,353	98,461

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	1,157	1,782	4,276
Phosphate rock mining	<1	353	688	1,616
Other chemical and fertilizer mineral mining	<1	181	285	683
Other nonmetallic minerals	<1	2,279	4,205	9,681
Drilling oil and gas wells	<1	3	4	44
Support activities for oil and gas operations	<1	20	24	164
Metal mining services	<1	2,023	-334	38,195
Other nonmetallic minerals services	<1	65	92	1,233
Electric power generation - Hydroelectric	<1	16,251	71,291	111,391
Electric power generation - Fossil fuel	<1	20,995	154,470	271,954
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3,454	9,835	11,586
Electric power generation - Wind	<1	6,563	118,788	170,130
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	4,424	18,671	26,765
Electric power generation - All other	<1	1,181	536	781
Electric power transmission and distribution	2	378,723	2,424,353	4,213,737
Natural gas distribution	<1	100,046	644,266	1,057,294
Water, sewage and other systems	<1	25,996	87,868	134,747
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0



## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	11	935,090	1,453,843	3,118,237
Maintenance and repair construction of residential structures	5	406,948	624,130	1,273,681
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	488	764	1,646
Dog and cat food manufacturing	<1	29,519	62,986	329,572
Other animal food manufacturing	<1	60,927	111,567	890,996
Flour milling	<1	24,299	41,779	289,574
Rice milling	0	0	0	0
Malt manufacturing	<1	2,421	3,367	20,945
Wet corn milling	<1	76,569	139,498	1,203,162
Soybean and other oilseed processing	<1	16,240	69,851	950,576
Fats and oils refining and blending	<1	54	118	1,858
Breakfast cereal manufacturing	<1	28,182	53,249	266,483
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3,645	4,723	31,787
Chocolate and confectionery manufacturing from cacao beans	<1	3,636	4,802	25,414
Confectionery manufacturing from purchased chocolate	<1	25,138	32,585	187,624
Frozen fruits, juices and vegetables manufacturing	<1	60,641	101,178	477,113
Frozen specialties manufacturing	<1	63,963	78,372	307,927
Canned fruits and vegetables manufacturing	<1	34,630	54,216	252,303
Canned specialties	<1	22,810	40,753	218,468
Dehydrated food products manufacturing	<1	17,237	26,205	116,217
Cheese manufacturing	<1	9,066	11,722	146,949
Dry, condensed, and evaporated dairy product manufacturing	<1	21,171	38,896	268,398
Fluid milk manufacturing	<1	47,371	65,118	434,149
Creamery butter manufacturing	<1	7,361	18,425	139,107
Ice cream and frozen dessert manufacturing	<1	9,750	12,257	50,375

## Appendix

Frozen cakes and other pastries manufacturing	2	91,605	161,744	262,979
Poultry processing	1	84,612	99,203	442,230
Animal, except poultry, slaughtering	3	220,380	261,177	2,142,734
Meat processed from carcasses	2	131,527	130,689	948,399
Rendering and meat byproduct processing	<1	6,996	8,745	42,648
Seafood product preparation and packaging	1	180,860	214,853	822,489
Bread and bakery product, except frozen, manufacturing	5	265,572	394,930	951,676
Cookie and cracker manufacturing	<1	39,162	50,148	207,153
Dry pasta, mixes, and dough manufacturing	<1	33,214	58,530	191,928
Tortilla manufacturing	<1	3,038	3,717	15,418
Roasted nuts and peanut butter manufacturing	<1	21,578	35,115	141,396
Other snack food manufacturing	<1	62,880	121,702	457,418
Coffee and tea manufacturing	<1	37,778	57,637	319,649
Flavoring syrup and concentrate manufacturing	<1	11,365	54,962	204,754
Mayonnaise, dressing, and sauce manufacturing	<1	877	1,388	10,015
Spice and extract manufacturing	<1	15,785	22,032	111,316
All other food manufacturing	<1	46,797	59,374	286,909
Bottled and canned soft drinks & water	1	135,511	199,779	908,746
Manufactured ice	<1	4,048	2,459	11,458
Breweries	2	101,200	190,257	650,753
Wineries	2	102,339	154,290	618,977
Distilleries	<1	15,460	70,411	182,424
Tobacco product manufacturing	<1	1,732	26,594	37,709
Fiber, yarn, and thread mills	<1	1,051	1,096	8,203
Broadwoven fabric mills	<1	8,234	7,930	45,742
Narrow fabric mills and schiffli machine embroidery	<1	963	974	3,354
Nonwoven fabric mills	<1	6,919	4,968	34,289
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	317	304	1,795
Fabric coating mills	<1	528	513	2,737
Carpet and rug mills	<1	4,655	4,196	19,466
Curtain and linen mills	<1	901	845	3,006
Textile bag and canvas mills	<1	19,820	18,432	66,355
Rope, cordage, twine, tire cord and tire fabric mills	<1	23,420	21,979	82,367

## Appendix

Other textile product mills	<1	6,227	5,991	19,985
Hosiery and sock mills	<1	527	1,037	1,887
Other apparel knitting mills	<1	717	1,433	2,665
Cut and sew apparel contractors	<1	3,805	4,109	9,051
Men's and boys' cut and sew apparel manufacturing	<1	5,521	4,630	15,208
Women's and girls' cut and sew apparel manufacturing	<1	6,483	2,026	27,240
Other cut and sew apparel manufacturing	<1	3,676	2,803	11,702
Apparel accessories and other apparel manufacturing	<1	1,977	1,842	6,641
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	1,550	1,438	5,944
Other leather and allied product manufacturing	<1	648	579	2,019
Sawmills	<1	85,307	220,091	536,883
Wood preservation	<1	7,721	36,544	81,921
Veneer and plywood manufacturing	<1	22,376	48,287	110,114
Engineered wood member and truss manufacturing	<1	16,388	39,554	94,493
Reconstituted wood product manufacturing	<1	2,314	12,263	33,476
Wood windows and door manufacturing	1	91,273	163,604	366,429
Cut stock, resawing lumber, and planing	<1	10,096	30,881	64,060
Other millwork, including flooring	<1	22,987	54,504	116,108
Wood container and pallet manufacturing	<1	28,715	53,439	116,064
Manufactured home (mobile home) manufacturing	<1	9	17	53
Prefabricated wood building manufacturing	<1	2,906	7,894	17,205
All other miscellaneous wood product manufacturing	<1	11,623	22,495	54,251
Pulp mills	<1	462	540	2,246
Paper mills	2	324,462	477,419	1,883,610
Paperboard mills	<1	70,819	103,416	440,529
Paperboard container manufacturing	2	179,044	222,645	966,994
Paper bag and coated and treated paper manufacturing	<1	29,048	35,798	135,829
Stationery product manufacturing	<1	1,627	1,904	11,744

## Appendix

Sanitary paper product manufacturing	<1	15,057	27,409	113,621
All other converted paper product manufacturing	<1	7,321	9,571	34,889
Printing	5	313,649	415,126	875,300
Support activities for printing	<1	9,124	11,883	19,438
Petroleum refineries	<1	220,157	2,029,168	9,038,145
Asphalt paving mixture and block manufacturing	<1	9,603	14,419	56,324
Asphalt shingle and coating materials manufacturing	<1	8,907	34,377	88,533
Petroleum lubricating oil and grease manufacturing	<1	5,999	16,676	51,221
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	14,692	178,773	641,738
Industrial gas manufacturing	<1	13,603	39,398	113,099
Synthetic dye and pigment manufacturing	<1	3,083	6,020	18,439
Other basic inorganic chemical manufacturing	<1	37,192	80,609	243,252
Other basic organic chemical manufacturing	<1	19,993	49,350	360,923
Plastics material and resin manufacturing	<1	18,840	34,579	234,279
Synthetic rubber manufacturing	<1	950	1,373	5,659
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	15,892	54,385	208,364
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	5,837	11,479	39,976
Pesticide and other agricultural chemical manufacturing	<1	7,728	26,623	125,631
Medicinal and botanical manufacturing	<1	5,097	7,828	28,873
Pharmaceutical preparation manufacturing	<1	36,714	91,564	249,360
In-vitro diagnostic substance manufacturing	<1	5,590	7,844	19,028
Biological product (except diagnostic) manufacturing	<1	29,966	82,054	186,180
Paint and coating manufacturing	<1	5,092	10,106	42,542
Adhesive manufacturing	<1	4,757	7,516	29,317
Soap and other detergent manufacturing	<1	13,517	35,492	154,632
Polish and other sanitation good manufacturing	<1	15,583	24,737	73,008

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	11,139	31,088	93,674
Printing ink manufacturing	<1	1,957	2,177	9,129
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	2,104	3,792	16,591
Photographic film and chemical manufacturing	<1	3,058	6,498	26,096
Other miscellaneous chemical product manufacturing	<1	17,414	27,281	105,456
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	43,087	47,425	253,790
Unlaminated plastics profile shape manufacturing	<1	59,403	68,600	388,016
Plastics pipe and pipe fitting manufacturing	<1	12,547	15,193	123,581
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,174	5,602	23,939
Polystyrene foam product manufacturing	<1	25,407	28,593	136,660
Urethane and other foam product (except polystyrene) manufacturing	<1	33,294	36,252	193,686
Plastics bottle manufacturing	<1	16,241	17,803	100,350
Other plastics product manufacturing	3	226,635	244,901	977,493
Tire manufacturing	<1	12,296	13,675	61,685
Rubber and plastics hoses and belting manufacturing	<1	3,134	3,534	16,596
Other rubber product manufacturing	<1	12,480	13,169	54,712
Pottery, ceramics, and plumbing fixture manufacturing	<1	7,300	10,960	22,022
Brick, tile, and other structural clay product manufacturing	<1	3,231	5,169	13,650
Flat glass manufacturing	<1	10,863	19,656	45,116
Other pressed and blown glass and glassware manufacturing	<1	26,843	42,409	123,319
Glass container manufacturing	<1	17,192	26,218	64,273
Glass product manufacturing made of purchased glass	<1	74,299	124,581	304,390
Cement manufacturing	<1	10,285	21,486	57,325
Ready-mix concrete manufacturing	<1	63,343	97,338	310,672
Concrete block and brick manufacturing	<1	4,542	7,517	20,338
Concrete pipe manufacturing	<1	2,217	3,499	10,319

Appendix

Other concrete product manufacturing	<1	30,114	42,388	104,019
Lime manufacturing	<1	8,208	16,088	44,353
Gypsum product manufacturing	<1	19,279	49,287	127,396
Abrasive product manufacturing	<1	2,957	5,864	11,098
Cut stone and stone product manufacturing	<1	13,705	17,189	38,946
Ground or treated mineral and earth manufacturing	<1	15,357	31,984	65,205
Mineral wool manufacturing	<1	1,799	4,328	11,131
Miscellaneous nonmetallic mineral products manufacturing	<1	709	1,493	3,687
Iron and steel mills and ferroalloy manufacturing	<1	15,005	27,390	294,907
Iron, steel pipe and tube manufacturing from purchased steel	<1	154	243	1,553
Rolled steel shape manufacturing	<1	92,298	187,978	831,883
Steel wire drawing	<1	5,325	7,616	33,554
Alumina refining and primary aluminum production	<1	5,065	6,708	31,464
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	62,782	96,417	492,650
Other aluminum rolling, drawing and extruding	<1	4,038	4,876	26,348
Nonferrous metal (exc aluminum) smelting and refining	<1	5,189	17,791	93,437
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	7,022	7,833	34,486
Secondary processing of other nonferrous metals	<1	103	156	1,055
Ferrous metal foundries	<1	22,664	27,414	83,767
Nonferrous metal foundries	<1	50,186	56,999	154,611
Custom roll forming	<1	6,427	7,667	42,668
Crown and closure manufacturing and metal stamping	<1	12,371	14,096	47,632
Iron and steel forging	<1	2,156	2,513	9,836
Nonferrous forging	<1	2,381	2,662	9,705
Cutlery, utensil, pot, and pan manufacturing	<1	4,455	6,362	28,887
Handtool manufacturing	<1	3,808	4,815	14,282
Prefabricated metal buildings and components manufacturing	<1	6,625	8,003	30,827

## Appendix

Fabricated structural metal manufacturing	<1	45,366	55,698	237,307
Plate work manufacturing	<1	43,304	46,617	157,479
Metal window and door manufacturing	<1	23,524	27,703	94,051
Sheet metal work manufacturing	<1	68,516	78,956	249,454
Ornamental and architectural metal work manufacturing	<1	34,883	38,160	113,695
Power boiler and heat exchanger manufacturing	<1	856	1,005	3,664
Metal tank (heavy gauge) manufacturing	<1	4,753	5,252	16,415
Metal cans manufacturing	<1	22,594	31,207	202,840
Metal barrels, drums and pails manufacturing	<1	8,681	9,972	47,633
Hardware manufacturing	<1	9,922	12,076	41,146
Spring and wire product manufacturing	<1	9,177	10,551	43,804
Machine shops	3	232,871	251,703	574,598
Turned product and screw, nut, and bolt manufacturing	<1	9,443	10,694	36,971
Metal heat treating	<1	8,654	9,904	30,248
Metal coating and nonprecious engraving	<1	35,187	46,402	178,681
Electroplating, anodizing, and coloring metal	<1	29,134	30,469	68,832
Valve and fittings, other than plumbing, manufacturing	<1	56,395	70,429	265,441
Plumbing fixture fitting and trim manufacturing	<1	11,756	18,467	100,591
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	954	1,599	8,186
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	6	623,802	1,159,068	3,224,441
Fabricated pipe and pipe fitting manufacturing	<1	4,137	4,583	14,174
Other fabricated metal manufacturing	<1	43,278	49,694	177,755
Farm machinery and equipment manufacturing	<1	5,271	8,967	35,633
Lawn and garden equipment manufacturing	<1	272	443	1,973
Construction machinery manufacturing	<1	996	2,075	6,697
Mining machinery and equipment manufacturing	<1	90	119	377

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	43	52	161
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	83,084	97,869	294,265
Sawmill, woodworking, and paper machinery	<1	3,581	3,987	11,425
Printing machinery and equipment manufacturing	<1	237	257	828
All other industrial machinery manufacturing	<1	1,960	2,365	6,669
Optical instrument and lens manufacturing	<1	3,814	5,294	14,731
Photographic and photocopying equipment manufacturing	<1	172	202	689
Other commercial service industry machinery manufacturing	<1	1,994	2,922	10,142
Air purification and ventilation equipment manufacturing	<1	669	821	2,113
Heating equipment (except warm air furnaces) manufacturing	<1	27,973	40,292	129,045
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	12,146	18,726	65,380
Industrial mold manufacturing	<1	4,264	4,920	10,448
Special tool, die, jig, and fixture manufacturing	<1	6,027	7,419	13,825
Cutting tool and machine tool accessory manufacturing	<1	2,862	3,221	8,127
Machine tool manufacturing	<1	2,736	3,283	8,255
Rolling mill and other metalworking machinery manufacturing	<1	1,392	1,748	4,305
Turbine and turbine generator set units manufacturing	<1	62	67	209
Speed changer, industrial high-speed drive, and gear manufacturing	<1	19,664	29,425	74,460
Mechanical power transmission equipment manufacturing	<1	618	814	2,194
Other engine equipment manufacturing	<1	1,175	2,247	9,139
Pump and pumping equipment manufacturing	<1	613	926	2,841
Air and gas compressor manufacturing	<1	37	48	192
Elevator and moving stairway manufacturing	<1	11	13	48



## Appendix

Conveyor and conveying equipment manufacturing	<1	316	349	953
Overhead cranes, hoists, and monorail systems manufacturing	<1	2,270	3,604	12,545
Industrial truck, trailer, and stacker manufacturing	<1	409	609	2,245
Power-driven handtool manufacturing	<1	62	149	574
Welding and soldering equipment manufacturing	<1	129	178	674
Packaging machinery manufacturing	<1	2,922	3,968	12,641
Industrial process furnace and oven manufacturing	<1	2	3	6
Fluid power cylinder and actuator manufacturing	<1	4,448	5,845	13,626
Fluid power pump and motor manufacturing	<1	218	320	964
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,666	1,953	5,864
Electronic computer manufacturing	<1	22,165	33,965	84,642
Computer storage device manufacturing	<1	31	53	193
Computer terminals and other computer peripheral equipment manufacturing	<1	3,549	5,648	15,953
Telephone apparatus manufacturing	<1	970	1,836	5,438
Broadcast and wireless communications equipment manufacturing	<1	312	453	1,126
Other communications equipment manufacturing	<1	401	751	2,624
Audio and video equipment manufacturing	<1	748	1,471	8,470
Printed circuit assembly (electronic assembly) manufacturing	<1	4,984	9,157	42,949
Bare printed circuit board manufacturing	<1	116	155	506
Semiconductor and related device manufacturing	<1	19,523	35,153	130,026
Capacitor, resistor, coil, transformer, and other inductor manufacturing	2	192,531	271,617	650,684
Electronic connector manufacturing	<1	13,425	19,940	65,756
Other electronic component manufacturing	<1	13,853	18,165	40,443

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	4,319	7,597	17,769
Search, detection, and navigation instruments manufacturing	<1	247	448	1,123
Automatic environmental control manufacturing	<1	3,137	4,583	13,498
Industrial process variable instruments manufacturing	<1	94,592	163,495	372,907
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	7,991	10,345	27,439
Analytical laboratory instrument manufacturing	<1	131,516	231,791	494,166
Irradiation apparatus manufacturing	<1	12	25	96
Watch, clock, and other measuring and controlling device manufacturing	<1	1,223	1,892	6,301
Blank magnetic and optical recording media manufacturing	<1	294	1,194	4,128
Software and other prerecorded and record reproducing	<1	715	1,100	2,628
Electric lamp bulb and part manufacturing	<1	628	1,206	2,178
Lighting fixture manufacturing	<1	6,342	9,139	25,104
Small electrical appliance manufacturing	<1	21,207	59,947	128,350
Household cooking appliance manufacturing	<1	56	192	510
Household refrigerator and home freezer manufacturing	<1	73	223	567
Household laundry equipment manufacturing	<1	229	476	1,588
Other major household appliance manufacturing	<1	32	117	252
Power, distribution, and specialty transformer manufacturing	<1	4,175	6,578	16,467
Motor and generator manufacturing	<1	1,551	3,473	8,108
Switchgear and switchboard apparatus manufacturing	<1	813	1,794	3,943
Relay and industrial control manufacturing	<1	22,605	34,050	82,883
Storage battery manufacturing	<1	2,863	5,586	18,870
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,791	3,037	13,642

## Appendix

Other communication and energy wire manufacturing	<1	548	1,223	5,308
Wiring device manufacturing	<1	2,605	6,713	15,173
Carbon and graphite product manufacturing	<1	8,688	15,031	45,945
All other miscellaneous electrical equipment and component manufacturing	<1	9,903	11,954	33,462
Automobile manufacturing	<1	2,982	15,806	37,238
Light truck and utility vehicle manufacturing	<1	546	2,809	8,719
Heavy duty truck manufacturing	<1	1,078	2,838	8,190
Motor vehicle body manufacturing	<1	1,347	2,072	6,909
Truck trailer manufacturing	<1	29	45	163
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	24,176	32,810	161,267
Motor vehicle gasoline engine and engine parts manufacturing	<1	10,144	20,238	99,465
Motor vehicle electrical and electronic equipment manufacturing	<1	25,716	40,681	171,476
Motor vehicle transmission and power train parts manufacturing	<1	501	890	3,517
Motor vehicle seating and interior trim manufacturing	<1	879	1,165	6,029
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	1	79,945	132,488	570,682
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	18,030	32,684	110,138
Aircraft manufacturing	3	482,079	1,308,771	2,191,434
Aircraft engine and engine parts manufacturing	<1	4,873	19,691	38,472
Other aircraft parts and auxiliary equipment manufacturing	<1	66,649	125,806	220,351
Guided missile and space vehicle manufacturing	<1	1,378	3,555	5,543
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	4,008	7,884	11,796
Railroad rolling stock manufacturing	<1	212	249	760
Ship building and repairing	<1	9,439	17,889	32,055
Boat building	1	85,447	175,951	447,994
Motorcycle, bicycle, and parts manufacturing	<1	2,396	17,244	30,766

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,112	3,850	9,991
Wood kitchen cabinet and countertop manufacturing	1	71,825	78,281	213,591
Upholstered household furniture manufacturing	<1	882	932	3,846
Nonupholstered wood household furniture manufacturing	<1	13,298	13,945	40,961
Other household nonupholstered furniture manufacturing	<1	465	586	3,989
Institutional furniture manufacturing	<1	53	55	204
Wood office furniture manufacturing	<1	321	350	1,142
Custom architectural woodwork and millwork	<1	394	5	702
Office furniture, except wood, manufacturing	<1	114	133	704
Showcase, partition, shelving, and locker manufacturing	<1	2,369	2,603	9,225
Mattress manufacturing	<1	10,147	12,843	74,944
Blind and shade manufacturing	<1	809	696	2,961
Surgical and medical instrument manufacturing	<1	4,006	4,726	9,904
Surgical appliance and supplies manufacturing	<1	13,090	17,516	54,804
Dental equipment and supplies manufacturing	<1	347	421	1,364
Ophthalmic goods manufacturing	<1	4,076	5,143	13,934
Dental laboratories	<1	14,199	14,887	29,741
Jewelry and silverware manufacturing	<1	18,243	34,842	81,453
Sporting and athletic goods manufacturing	<1	35,802	41,687	153,559
Doll, toy, and game manufacturing	<1	93,572	111,071	322,127
Office supplies (except paper) manufacturing	<1	8,393	10,270	34,889
Sign manufacturing	<1	11,883	10,766	28,129
Gasket, packing, and sealing device manufacturing	<1	5,640	5,981	17,424
Musical instrument manufacturing	<1	4,381	4,536	12,655
Fasteners, buttons, needles, and pins manufacturing	<1	5,943	6,103	12,061

## Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	31,611	36,442	109,260
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	215,977	498,884	1,034,552
Wholesale - Professional and commercial equipment and supplies	6	1,066,647	1,899,311	2,775,488
Wholesale - Household appliances and electrical and electronic goods	2	355,994	892,782	1,707,504
Wholesale - Machinery, equipment, and supplies	5	499,682	1,001,480	1,761,171
Wholesale - Other durable goods merchant wholesalers	9	894,877	1,729,822	3,365,708
Wholesale - Drugs and druggists'sundries	2	372,891	930,794	2,019,560
Wholesale - Grocery and related product wholesalers	9	764,924	1,185,253	2,390,238
Wholesale - Petroleum and petroleum products	<1	85,892	1,889,753	2,155,522
Wholesale - Other nondurable goods merchant wholesalers	12	1,149,845	2,906,939	5,172,642
Wholesale - Wholesale electronic markets and agents and brokers	5	744,425	851,500	978,919
Retail - Motor vehicle and parts dealers	9	738,314	1,361,640	1,751,323
Retail - Furniture and home furnishings stores	6	402,932	671,546	973,489
Retail - Electronics and appliance stores	6	439,515	517,133	739,234
Retail - Building material and garden equipment and supplies stores	7	398,286	1,071,223	1,368,345
Retail - Food and beverage stores	27	1,244,517	2,219,434	3,206,876
Retail - Health and personal care stores	12	653,605	971,095	1,356,146
Retail - Gasoline stores	6	396,695	1,006,964	1,525,125
Retail - Clothing and clothing accessories stores	11	554,217	1,175,517	1,881,510
Retail - Sporting goods, hobby, musical instrument and book stores	9	345,507	575,864	846,054
Retail - General merchandise stores	22	1,054,073	2,219,238	3,129,960
Retail - Miscellaneous store retailers	18	852,253	1,070,237	1,470,602
Retail - Nonstore retailers	22	591,537	4,101,012	6,030,066
Air transportation	10	1,343,900	2,600,661	5,064,847

## Appendix

Rail transportation	2	195,125	562,381	1,057,736
Water transportation	2	200,144	449,115	1,438,453
Truck transportation	16	1,414,431	2,137,828	4,086,142
Transit and ground passenger transportation	21	724,192	809,230	1,137,643
Pipeline transportation	<1	46,742	144,232	214,330
Scenic and sightseeing transportation and support activities for transportation	15	2,032,467	1,760,806	2,372,103
Couriers and messengers	27	603,172	1,304,536	1,626,204
Warehousing and storage	15	978,811	1,038,919	1,814,708
Newspaper publishers	<1	69,969	131,979	187,128
Periodical publishers	<1	53,522	85,203	135,959
Book publishers	<1	99,291	318,932	459,050
Directory, mailing list, and other publishers	<1	52,364	149,013	198,127
Greeting card publishing	<1	5,506	22,546	25,757
Software publishers	11	3,986,955	8,661,324	9,798,603
Motion picture and video industries	3	237,637	389,804	935,976
Sound recording industries	<1	34,341	246,618	403,235
Radio and television broadcasting	4	2,132,956	2,221,630	3,670,764
Cable and other subscription programming	2	1,099,190	2,033,001	4,940,634
Wired telecommunications carriers	4	355,034	517,631	1,317,754
Wireless telecommunications carriers (except satellite)	2	500,077	1,253,886	4,466,572
Satellite, telecommunications resellers, and all other telecommunications	<1	151,675	167,026	341,721
Data processing, hosting, and related services	7	1,673,088	4,746,225	7,943,731
News syndicates, libraries, archives and all other information services	<1	300,884	582,156	748,763
Internet publishing and broadcasting and web search portals	7	1,889,569	6,716,531	13,126,464
Nondepository credit intermediation and related activities	7	1,111,980	1,200,682	1,688,987
Securities and commodity contracts intermediation and brokerage	15	1,241,178	855,595	1,866,840
Monetary authorities and depository credit intermediation	24	2,972,103	9,001,831	12,849,632

## Appendix

Other financial investment activities	23	1,566,704	1,739,171	4,361,410
Direct life insurance carriers	2	340,203	741,631	962,183
Insurance carriers, except direct life	11	1,116,947	4,004,516	7,569,447
Insurance agencies, brokerages, and related activities	14	1,478,566	2,483,976	5,052,956
Funds, trusts, and other financial vehicles	9	371,985	643,337	2,139,344
Other real estate	158	7,291,540	20,067,426	39,917,534
Tenant-occupied housing	20	869,024	6,623,232	7,115,838
Owner-occupied dwellings	0	0	21,376,720	25,798,160
Automotive equipment rental and leasing	2	241,041	1,321,488	1,470,061
General and consumer goods rental except video tapes and discs	3	239,647	574,217	732,321
Video tape and disc rental	<1	120,521	205,315	266,776
Commercial and industrial machinery and equipment rental and leasing	2	286,979	1,203,556	1,362,158
Lessors of nonfinancial intangible assets	<1	36,672	1,467,569	1,535,196
Legal services	42	4,848,544	11,536,943	14,247,320
Accounting, tax preparation, bookkeeping, and payroll services	19	1,781,574	2,836,317	4,009,601
Architectural, engineering, and related services	27	2,862,287	3,449,704	5,671,217
Specialized design services	2	162,535	394,426	585,494
Custom computer programming services	9	1,484,391	1,719,484	2,124,563
Computer systems design services	9	1,345,261	1,340,048	1,620,135
Other computer related services, including facilities management	3	517,603	835,487	1,257,819
Management consulting services	69	8,626,566	9,132,102	13,423,268
Environmental and other technical consulting services	9	927,673	1,138,396	1,720,930
Scientific research and development services	999	151,691,068	234,700,577	354,446,285
Advertising, public relations, and related services	9	876,886	1,862,561	3,108,432
Photographic services	<1	40,616	155,941	269,095
Veterinary services	5	307,989	389,456	566,780
Marketing research and all other miscellaneous professional, scientific, and technical services	12	1,338,142	3,316,589	5,352,303
Management of companies and enterprises	52	12,422,815	13,054,622	17,829,056

## Appendix

Office administrative services	13	1,215,508	340,881	992,623
Facilities support services	2	156,736	207,092	464,346
Employment services	77	5,600,737	7,421,571	11,101,115
Business support services	11	816,285	706,335	1,125,553
Travel arrangement and reservation services	5	677,152	1,024,551	2,196,777
Investigation and security services	13	717,269	748,442	1,020,467
Services to buildings	21	915,907	1,306,064	2,528,324
Landscape and horticultural services	13	684,475	867,513	1,553,643
Other support services	5	360,466	459,765	861,203
Waste management and remediation services	6	624,417	1,200,556	2,017,615
Elementary and secondary schools	11	601,981	509,472	611,019
Junior colleges, colleges, universities, and professional schools	280	11,993,240	15,125,460	21,738,422
Other educational services	9	395,244	438,826	870,961
Offices of physicians	38	5,053,462	5,076,134	6,964,309
Offices of dentists	16	1,157,148	1,313,006	1,813,956
Offices of other health practitioners	16	973,296	1,326,639	1,713,990
Outpatient care centers	16	1,563,887	1,536,148	2,260,101
Medical and diagnostic laboratories	4	363,311	515,705	710,587
Home health care services	9	572,171	567,356	696,726
Other ambulatory health care services	4	337,813	379,400	551,165
Hospitals	57	6,782,640	7,889,899	13,201,166
Nursing and community care facilities	20	1,186,624	1,255,373	1,944,600
Residential mental retardation, mental health, substance abuse and other facilities	6	394,202	398,326	550,755
Individual and family services	56	2,209,653	2,023,490	2,709,091
Child day care services	14	573,256	998,819	1,224,973
Community food, housing, and other relief services, including rehabilitation services	10	524,914	503,190	961,990
Performing arts companies	5	151,733	339,997	545,808
Commercial Sports Except Racing	11	614,686	591,613	850,069
Racing and Track Operation	<1	22,280	51,246	81,850
Independent artists, writers, and performers	2	59,618	236,849	310,692



## Appendix

Promoters of performing arts and sports and agents for public figures	5	146,539	505,919	906,967
Museums, historical sites, zoos, and parks	1	74,315	98,272	152,352
Amusement parks and arcades	<1	7,854	16,481	20,267
Gambling industries (except casino hotels)	7	326,332	1,116,115	1,428,678
Other amusement and recreation industries	7	203,579	187,566	277,518
Fitness and recreational sports centers	5	114,282	165,281	258,738
Bowling centers	<1	27,294	40,943	60,918
Hotels and motels, including casino hotels	7	312,334	863,783	1,162,941
Other accommodations	2	78,291	100,493	129,400
Full-service restaurants	61	2,511,107	4,038,474	6,762,072
Limited-service restaurants	50	1,681,860	2,936,662	5,824,326
All other food and drinking places	42	1,725,251	2,656,606	3,945,818
Automotive repair and maintenance, except car washes	19	1,483,681	1,978,308	2,592,780
Car washes	9	710,849	1,307,299	1,722,115
Electronic and precision equipment repair and maintenance	4	456,806	662,064	921,864
Commercial and industrial machinery and equipment repair and maintenance	5	537,230	656,736	902,832
Personal and household goods repair and maintenance	3	208,742	452,911	592,148
Personal care services	20	729,170	444,802	536,095
Death care services	2	92,868	65,653	86,952
Dry-cleaning and laundry services	6	262,935	169,555	210,106
Other personal services	13	528,056	702,288	929,097
Religious organizations	39	2,259,177	1,114,102	3,455,672
Grantmaking, giving, and social advocacy organizations	8	707,375	2,159,598	2,828,415
Business and professional associations	3	298,591	499,842	782,189
Labor and civic organizations	9	378,475	1,119,840	1,731,934
Private households	16	167,212	167,212	167,212
Postal service	6	659,179	662,240	662,464
Federal electric utilities	<1	172,941	435,265	1,155,412
Other federal government enterprises	<1	52,415	97,213	232,020
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	3	534,253	808,727	1,195,461
Local government passenger transit	8	968,315	240,204	434,620
Local government electric utilities	2	387,805	1,154,796	2,029,162
Other local government enterprises	18	1,909,921	4,020,721	8,710,275
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	36	6,495,218	8,805,503	15,241,993

## Moon to Mars Campaign

**Table 767: Detailed M2M Campaign Impacts by Types of Impact, Washington**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,456</i>	<i>275,054,534</i>	<i>462,162,530</i>	<i>724,386,184</i>
Oilseed farming	<1	24,871	240,855	290,586
Grain farming	6	318,865	1,320,417	2,097,754
Vegetable and melon farming	2	92,176	213,592	317,581
Fruit farming	3	125,083	275,573	341,583
Tree nut farming	<1	338	770	1,010
Greenhouse, nursery, and floriculture production	1	45,196	87,496	115,472
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	1,060	2,000	2,689
All other crop farming	3	58,534	109,455	151,433
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	3	88,867	470,295	883,554
Dairy cattle and milk production	<1	46,039	126,977	467,428
Poultry and egg production	<1	36,430	71,009	472,869
Animal production, except cattle and poultry and eggs	3	119,262	522,051	567,164
Forestry, forest products, and timber tract production	<1	7,589	8,586	10,436
Commercial logging	<1	68,660	76,525	103,547
Commercial fishing	1	193,080	76,631	76,717
Commercial hunting and trapping	<1	615	461	534
Support activities for agriculture and forestry	8	400,363	426,153	466,620
Oil and gas extraction	<1	546	1,125	351,024
Coal mining	<1	2,051	6,945	14,833
Copper, nickel, lead, and zinc mining	<1	8,186	37,747	72,813
Iron ore mining	<1	9,311	21,933	56,209
Gold ore mining	<1	2,292	7,229	16,630
Silver ore mining	<1	711	1,568	3,868
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	11,358	42,985	78,111
Sand and gravel mining	<1	23,460	42,594	84,487
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	905	1,408	3,390
Phosphate rock mining	<1	306	602	1,409
Other chemical and fertilizer mineral mining	<1	159	255	613
Other nonmetallic minerals	<1	1,994	3,713	8,558
Drilling oil and gas wells	<1	2	3	32
Support activities for oil and gas operations	<1	10	13	88
Metal mining services	<1	1,241	-234	27,027
Other nonmetallic minerals services	<1	41	70	925
Electric power generation - Hydroelectric	<1	16,266	69,566	107,022

## Appendix

Electric power generation - Fossil fuel	<1	20,035	135,163	238,203
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3,045	8,680	10,262
Electric power generation - Wind	<1	4,327	78,238	111,490
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	4,018	17,029	24,991
Electric power generation - All other	<1	1,142	347	608
Electric power transmission and distribution	2	299,788	1,836,718	3,186,099
Natural gas distribution	<1	72,740	456,956	734,136
Water, sewage and other systems	<1	16,052	53,880	81,858
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	718,757	1,142,597	2,393,088
Maintenance and repair construction of residential structures	4	321,613	501,957	1,007,375
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	405	644	1,370
Dog and cat food manufacturing	<1	20,641	44,566	230,979
Other animal food manufacturing	<1	47,630	90,228	704,399
Flour milling	<1	15,849	27,406	194,394

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	1,786	2,572	16,369
Wet corn milling	<1	48,745	95,801	751,637
Soybean and other oilseed processing	<1	14,168	62,007	823,563
Fats and oils refining and blending	<1	44	97	1,516
Breakfast cereal manufacturing	<1	18,444	34,564	169,547
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2,707	3,500	23,387
Chocolate and confectionery manufacturing from cacao beans	<1	3,270	4,340	22,608
Confectionery manufacturing from purchased chocolate	<1	19,746	26,059	145,365
Frozen fruits, juices and vegetables manufacturing	<1	48,175	82,428	371,629
Frozen specialties manufacturing	<1	48,025	58,652	232,422
Canned fruits and vegetables manufacturing	<1	30,006	47,840	219,212
Canned specialties	<1	17,866	32,476	171,566
Dehydrated food products manufacturing	<1	14,435	22,026	96,614
Cheese manufacturing	<1	6,845	8,857	116,091
Dry, condensed, and evaporated dairy product manufacturing	<1	16,195	29,833	207,001
Fluid milk manufacturing	<1	35,110	49,324	326,426
Creamery butter manufacturing	<1	5,596	14,045	105,599
Ice cream and frozen dessert manufacturing	<1	6,409	8,175	32,955
Frozen cakes and other pastries manufacturing	1	66,065	116,793	189,436
Poultry processing	<1	58,478	70,020	312,445
Animal, except poultry, slaughtering	2	130,691	156,617	1,292,317
Meat processed from carcasses	1	110,736	110,699	800,049
Rendering and meat byproduct processing	<1	5,945	7,453	36,328
Seafood product preparation and packaging	<1	108,903	132,377	486,738
Bread and bakery product, except frozen, manufacturing	4	189,278	283,038	681,756
Cookie and cracker manufacturing	<1	35,230	46,712	182,357
Dry pasta, mixes, and dough manufacturing	<1	24,259	42,877	146,289
Tortilla manufacturing	<1	2,250	2,736	11,486

## Appendix

Roasted nuts and peanut butter manufacturing	<1	17,969	30,418	118,014
Other snack food manufacturing	<1	49,104	95,635	356,227
Coffee and tea manufacturing	<1	24,491	37,819	211,360
Flavoring syrup and concentrate manufacturing	<1	10,917	54,222	197,008
Mayonnaise, dressing, and sauce manufacturing	<1	652	1,026	7,388
Spice and extract manufacturing	<1	13,184	18,910	93,610
All other food manufacturing	<1	37,729	47,999	234,681
Bottled and canned soft drinks & water	1	100,810	150,546	685,861
Manufactured ice	<1	3,229	1,998	8,895
Breweries	1	61,206	118,808	407,804
Wineries	2	98,931	151,746	593,533
Distilleries	<1	11,093	53,067	132,940
Tobacco product manufacturing	<1	1,438	26,139	34,499
Fiber, yarn, and thread mills	<1	790	845	6,101
Broadwoven fabric mills	<1	6,036	6,017	33,258
Narrow fabric mills and schiffli machine embroidery	<1	755	773	2,593
Nonwoven fabric mills	<1	7,310	5,649	35,988
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	348	336	1,937
Fabric coating mills	<1	570	556	2,852
Carpet and rug mills	<1	3,608	3,368	14,588
Curtain and linen mills	<1	781	746	2,564
Textile bag and canvas mills	<1	16,673	16,062	55,618
Rope, cordage, twine, tire cord and tire fabric mills	<1	15,682	15,855	55,722
Other textile product mills	<1	5,377	5,291	17,098
Hosiery and sock mills	<1	446	896	1,538
Other apparel knitting mills	<1	564	1,161	2,034
Cut and sew apparel contractors	<1	3,941	4,261	9,211
Men's and boys' cut and sew apparel manufacturing	<1	5,225	4,412	14,136
Women's and girls' cut and sew apparel manufacturing	<1	6,178	1,971	25,387
Other cut and sew apparel manufacturing	<1	2,604	1,990	8,155
Apparel accessories and other apparel manufacturing	<1	1,875	1,769	6,069
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	1,437	1,342	5,313
Other leather and allied product manufacturing	<1	590	536	1,803

## Appendix

Sawmills	<1	62,901	160,820	393,068
Wood preservation	<1	5,407	25,452	60,010
Veneer and plywood manufacturing	<1	15,392	32,757	76,561
Engineered wood member and truss manufacturing	<1	13,635	32,541	77,827
Reconstituted wood product manufacturing	<1	1,598	8,380	22,870
Wood windows and door manufacturing	<1	65,014	115,310	257,448
Cut stock, resawing lumber, and planing	<1	7,141	21,338	45,554
Other millwork, including flooring	<1	17,729	41,312	87,713
Wood container and pallet manufacturing	<1	23,155	42,654	92,869
Manufactured home (mobile home) manufacturing	<1	7	14	42
Prefabricated wood building manufacturing	<1	1,972	5,324	11,517
All other miscellaneous wood product manufacturing	<1	10,247	19,114	44,309
Pulp mills	<1	295	335	1,442
Paper mills	2	209,535	280,836	1,201,909
Paperboard mills	<1	49,083	68,419	304,314
Paperboard container manufacturing	1	140,391	178,328	792,486
Paper bag and coated and treated paper manufacturing	<1	24,072	28,925	110,852
Stationery product manufacturing	<1	1,211	1,395	8,350
Sanitary paper product manufacturing	<1	11,829	20,802	89,532
All other converted paper product manufacturing	<1	6,150	7,979	29,663
Printing	3	223,942	307,002	611,758
Support activities for printing	<1	7,919	10,421	16,772
Petroleum refineries	<1	174,964	1,746,408	7,320,066
Asphalt paving mixture and block manufacturing	<1	7,263	11,162	41,965
Asphalt shingle and coating materials manufacturing	<1	6,934	29,267	70,207
Petroleum lubricating oil and grease manufacturing	<1	5,488	15,590	46,228
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	10,259	136,751	453,216
Industrial gas manufacturing	<1	10,101	31,529	86,115

Appendix

Synthetic dye and pigment manufacturing	<1	2,858	5,872	18,150
Other basic inorganic chemical manufacturing	<1	30,394	70,749	203,443
Other basic organic chemical manufacturing	<1	15,215	39,403	281,303
Plastics material and resin manufacturing	<1	14,371	27,822	183,746
Synthetic rubber manufacturing	<1	806	1,181	4,903
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	15,609	58,009	196,444
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	4,752	10,171	33,367
Pesticide and other agricultural chemical manufacturing	<1	5,617	20,553	95,482
Medicinal and botanical manufacturing	<1	5,329	8,246	28,933
Pharmaceutical preparation manufacturing	<1	34,718	89,788	238,961
In-vitro diagnostic substance manufacturing	<1	6,546	8,884	22,073
Biological product (except diagnostic) manufacturing	<1	38,903	103,824	226,133
Paint and coating manufacturing	<1	4,079	8,587	35,354
Adhesive manufacturing	<1	4,698	7,703	29,096
Soap and other detergent manufacturing	<1	12,027	34,029	133,950
Polish and other sanitation good manufacturing	<1	13,944	23,410	65,972
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	10,370	30,193	88,657
Printing ink manufacturing	<1	1,912	2,086	8,803
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	1,482	2,732	11,628
Photographic film and chemical manufacturing	<1	2,565	5,822	21,227
Other miscellaneous chemical product manufacturing	<1	13,775	22,605	85,700
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	36,830	40,920	215,089
Unlaminated plastics profile shape manufacturing	<1	50,040	59,272	320,549
Plastics pipe and pipe fitting manufacturing	<1	10,970	13,511	108,383



## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3,809	4,177	17,946
Polystyrene foam product manufacturing	<1	21,295	24,412	114,852
Urethane and other foam product (except polystyrene) manufacturing	<1	28,163	31,207	163,616
Plastics bottle manufacturing	<1	14,712	16,217	89,866
Other plastics product manufacturing	2	178,136	197,070	764,337
Tire manufacturing	<1	8,895	10,239	45,035
Rubber and plastics hoses and belting manufacturing	<1	1,953	2,226	10,938
Other rubber product manufacturing	<1	11,032	11,692	50,042
Pottery, ceramics, and plumbing fixture manufacturing	<1	6,485	9,781	19,176
Brick, tile, and other structural clay product manufacturing	<1	2,419	3,741	9,988
Flat glass manufacturing	<1	9,027	16,042	36,967
Other pressed and blown glass and glassware manufacturing	<1	24,360	38,641	110,294
Glass container manufacturing	<1	12,129	18,623	45,631
Glass product manufacturing made of purchased glass	<1	57,514	93,960	232,578
Cement manufacturing	<1	9,089	18,179	49,745
Ready-mix concrete manufacturing	<1	50,759	75,752	244,384
Concrete block and brick manufacturing	<1	3,778	6,059	16,766
Concrete pipe manufacturing	<1	1,657	2,578	7,685
Other concrete product manufacturing	<1	22,753	31,281	78,316
Lime manufacturing	<1	5,149	9,450	27,300
Gypsum product manufacturing	<1	16,195	40,135	105,404
Abrasive product manufacturing	<1	2,608	4,998	9,573
Cut stone and stone product manufacturing	<1	10,141	12,578	28,521
Ground or treated mineral and earth manufacturing	<1	11,813	23,381	49,679
Mineral wool manufacturing	<1	1,613	3,627	9,353
Miscellaneous nonmetallic mineral products manufacturing	<1	682	1,354	3,341
Iron and steel mills and ferroalloy manufacturing	<1	10,500	19,849	209,306
Iron, steel pipe and tube manufacturing from purchased steel	<1	120	190	1,210

## Appendix

Rolled steel shape manufacturing	<1	63,784	135,966	604,171
Steel wire drawing	<1	4,006	5,739	25,462
Alumina refining and primary aluminum production	<1	4,344	5,777	27,728
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	37,260	59,248	302,238
Other aluminum rolling, drawing and extruding	<1	3,436	4,125	22,257
Nonferrous metal (exc aluminum) smelting and refining	<1	2,533	8,180	44,233
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	4,240	4,730	20,794
Secondary processing of other nonferrous metals	<1	58	83	576
Ferrous metal foundries	<1	25,695	33,274	101,075
Nonferrous metal foundries	<1	46,285	53,053	143,422
Custom roll forming	<1	6,976	8,370	46,793
Crown and closure manufacturing and metal stamping	<1	11,432	13,023	43,642
Iron and steel forging	<1	1,632	1,907	7,444
Nonferrous forging	<1	1,712	1,917	6,964
Cutlery, utensil, pot, and pan manufacturing	<1	3,848	5,237	23,849
Handtool manufacturing	<1	3,646	4,632	13,584
Prefabricated metal buildings and components manufacturing	<1	6,383	7,393	29,170
Fabricated structural metal manufacturing	<1	39,549	48,223	206,170
Plate work manufacturing	<1	17,603	18,994	65,779
Metal window and door manufacturing	<1	24,307	28,566	95,790
Sheet metal work manufacturing	<1	53,053	60,489	188,786
Ornamental and architectural metal work manufacturing	<1	30,030	32,487	96,091
Power boiler and heat exchanger manufacturing	<1	636	745	2,723
Metal tank (heavy gauge) manufacturing	<1	5,512	6,074	18,459
Metal cans manufacturing	<1	17,887	24,275	155,074
Metal barrels, drums and pails manufacturing	<1	8,523	9,844	46,628
Hardware manufacturing	<1	8,145	9,737	33,128
Spring and wire product manufacturing	<1	7,637	8,738	36,270

## Appendix

Machine shops	3	204,567	220,391	500,678
Turned product and screw, nut, and bolt manufacturing	<1	8,200	9,257	31,968
Metal heat treating	<1	7,543	8,654	26,476
Metal coating and nonprecious engraving	<1	28,411	37,248	143,456
Electroplating, anodizing, and coloring metal	<1	27,117	28,360	64,076
Valve and fittings, other than plumbing, manufacturing	<1	53,644	67,745	255,903
Plumbing fixture fitting and trim manufacturing	<1	10,643	16,098	91,579
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	813	1,360	6,768
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	7	677,827	1,290,783	3,569,189
Fabricated pipe and pipe fitting manufacturing	<1	3,278	3,595	11,276
Other fabricated metal manufacturing	<1	23,925	27,215	96,174
Farm machinery and equipment manufacturing	<1	4,122	7,430	27,927
Lawn and garden equipment manufacturing	<1	212	358	1,524
Construction machinery manufacturing	<1	777	1,715	5,140
Mining machinery and equipment manufacturing	<1	61	82	254
Oil and gas field machinery and equipment manufacturing	<1	26	31	98
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	530	589	1,581
Sawmill, woodworking, and paper machinery	<1	3,007	3,363	9,349
Printing machinery and equipment manufacturing	<1	172	187	607
All other industrial machinery manufacturing	<1	1,770	2,148	6,059
Optical instrument and lens manufacturing	<1	350	467	1,295
Photographic and photocopying equipment manufacturing	<1	145	172	574
Other commercial service industry machinery manufacturing	<1	2,074	3,113	10,453

## Appendix

Air purification and ventilation equipment manufacturing	<1	572	715	1,805
Heating equipment (except warm air furnaces) manufacturing	<1	17,546	25,754	78,827
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	9,499	14,755	50,464
Industrial mold manufacturing	<1	3,870	4,506	9,446
Special tool, die, jig, and fixture manufacturing	<1	5,915	7,306	13,484
Cutting tool and machine tool accessory manufacturing	<1	2,621	2,968	7,451
Machine tool manufacturing	<1	2,449	2,994	7,505
Rolling mill and other metalworking machinery manufacturing	<1	1,225	1,560	3,746
Turbine and turbine generator set units manufacturing	<1	47	50	155
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,405	1,807	4,491
Mechanical power transmission equipment manufacturing	<1	493	652	1,756
Other engine equipment manufacturing	<1	882	1,739	6,777
Pump and pumping equipment manufacturing	<1	646	983	2,983
Air and gas compressor manufacturing	<1	38	50	193
Elevator and moving stairway manufacturing	<1	7	9	34
Conveyor and conveying equipment manufacturing	<1	228	256	694
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,931	3,207	10,694
Industrial truck, trailer, and stacker manufacturing	<1	340	513	1,862
Power-driven handtool manufacturing	<1	82	187	722
Welding and soldering equipment manufacturing	<1	131	177	627
Packaging machinery manufacturing	<1	2,796	3,814	12,019
Industrial process furnace and oven manufacturing	<1	2	3	5
Fluid power cylinder and actuator manufacturing	<1	3,674	4,904	11,340
Fluid power pump and motor manufacturing	<1	188	275	825

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,512	1,776	5,300
Electronic computer manufacturing	<1	2,149	3,228	8,821
Computer storage device manufacturing	<1	26	45	159
Computer terminals and other computer peripheral equipment manufacturing	<1	2,453	3,909	11,415
Telephone apparatus manufacturing	<1	740	1,424	4,140
Broadcast and wireless communications equipment manufacturing	<1	273	398	979
Other communications equipment manufacturing	<1	348	657	2,316
Audio and video equipment manufacturing	<1	740	1,456	8,248
Printed circuit assembly (electronic assembly) manufacturing	<1	3,991	7,306	34,506
Bare printed circuit board manufacturing	<1	81	109	365
Semiconductor and related device manufacturing	<1	14,581	26,001	98,565
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	14,168	20,216	46,510
Electronic connector manufacturing	<1	12,584	18,800	61,966
Other electronic component manufacturing	<1	10,508	13,773	30,322
Electromedical and electrotherapeutic apparatus manufacturing	<1	3,895	6,929	15,970
Search, detection, and navigation instruments manufacturing	<1	236	424	1,063
Automatic environmental control manufacturing	<1	3,519	5,175	15,044
Industrial process variable instruments manufacturing	<1	51,902	76,423	189,960
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	982	1,267	3,309
Analytical laboratory instrument manufacturing	<1	1,118	1,782	4,315
Irradiation apparatus manufacturing	<1	12	25	92

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	1,151	1,783	5,860
Blank magnetic and optical recording media manufacturing	<1	360	1,387	4,714
Software and other prerecorded and record reproducing	<1	767	1,180	2,736
Electric lamp bulb and part manufacturing	<1	592	1,144	2,039
Lighting fixture manufacturing	<1	6,832	9,921	26,237
Small electrical appliance manufacturing	<1	19,089	52,516	114,704
Household cooking appliance manufacturing	<1	41	145	370
Household refrigerator and home freezer manufacturing	<1	54	169	411
Household laundry equipment manufacturing	<1	167	357	1,150
Other major household appliance manufacturing	<1	24	92	191
Power, distribution, and specialty transformer manufacturing	<1	5,124	7,923	19,786
Motor and generator manufacturing	<1	1,227	2,751	6,412
Switchgear and switchboard apparatus manufacturing	<1	761	1,677	3,639
Relay and industrial control manufacturing	<1	17,332	25,911	62,769
Storage battery manufacturing	<1	2,656	5,129	17,043
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,730	2,903	12,780
Other communication and energy wire manufacturing	<1	451	1,027	4,365
Wiring device manufacturing	<1	1,854	4,875	10,873
Carbon and graphite product manufacturing	<1	6,387	10,912	33,579
All other miscellaneous electrical equipment and component manufacturing	<1	9,633	11,755	28,489
Automobile manufacturing	<1	2,394	12,345	28,323
Light truck and utility vehicle manufacturing	<1	429	2,163	6,458
Heavy duty truck manufacturing	<1	778	2,047	5,400
Motor vehicle body manufacturing	<1	1,005	1,545	5,316
Truck trailer manufacturing	<1	22	33	120
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	16,139	21,757	107,288

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	7,400	14,772	72,430
Motor vehicle electrical and electronic equipment manufacturing	<1	18,105	28,908	116,647
Motor vehicle transmission and power train parts manufacturing	<1	469	819	3,127
Motor vehicle seating and interior trim manufacturing	<1	797	1,076	5,426
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	60,078	98,230	425,353
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	13,289	24,453	82,361
Aircraft manufacturing	5	757,734	2,062,553	3,449,464
Aircraft engine and engine parts manufacturing	<1	6,989	28,548	55,974
Other aircraft parts and auxiliary equipment manufacturing	<1	68,048	129,594	227,437
Guided missile and space vehicle manufacturing	<1	1,055	2,757	4,288
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	3,175	6,263	9,338
Railroad rolling stock manufacturing	<1	242	283	852
Ship building and repairing	<1	9,269	16,637	30,862
Boat building	<1	59,568	120,429	309,497
Motorcycle, bicycle, and parts manufacturing	<1	1,632	10,759	19,805
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	707	2,344	6,159
Wood kitchen cabinet and countertop manufacturing	<1	56,129	59,904	163,240
Upholstered household furniture manufacturing	<1	840	888	3,690
Nonupholstered wood household furniture manufacturing	<1	11,272	11,771	34,020
Other household nonupholstered furniture manufacturing	<1	402	500	3,315
Institutional furniture manufacturing	<1	52	53	192
Wood office furniture manufacturing	<1	311	323	1,036

## Appendix

Custom architectural woodwork and millwork	<1	354	5	617
Office furniture, except wood, manufacturing	<1	114	124	681
Showcase, partition, shelving, and locker manufacturing	<1	1,904	2,030	7,187
Mattress manufacturing	<1	8,238	10,270	60,443
Blind and shade manufacturing	<1	555	478	2,132
Surgical and medical instrument manufacturing	<1	3,359	3,904	8,088
Surgical appliance and supplies manufacturing	<1	11,833	15,738	48,432
Dental equipment and supplies manufacturing	<1	319	388	1,247
Ophthalmic goods manufacturing	<1	3,486	4,408	11,951
Dental laboratories	<1	12,664	13,280	26,434
Jewelry and silverware manufacturing	<1	14,922	28,546	66,322
Sporting and athletic goods manufacturing	<1	27,735	31,975	115,105
Doll, toy, and game manufacturing	<1	77,353	93,216	265,460
Office supplies (except paper) manufacturing	<1	4,361	5,158	18,586
Sign manufacturing	<1	9,125	8,316	21,422
Gasket, packing, and sealing device manufacturing	<1	4,367	4,609	13,307
Musical instrument manufacturing	<1	4,844	5,121	14,021
Fasteners, buttons, needles, and pins manufacturing	<1	5,495	5,748	11,580
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	23,261	27,238	80,916
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	179,112	417,861	867,700
Wholesale - Professional and commercial equipment and supplies	5	916,051	1,640,745	2,385,856
Wholesale - Household appliances and electrical and electronic goods	2	278,145	700,384	1,340,739
Wholesale - Machinery, equipment, and supplies	4	393,977	792,512	1,391,995
Wholesale - Other durable goods merchant wholesalers	7	720,213	1,398,746	2,721,326



## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	2	307,519	770,150	1,649,564
Wholesale - Grocery and related product wholesalers	7	563,613	872,769	1,759,565
Wholesale - Petroleum and petroleum products	<1	62,700	1,575,184	1,760,803
Wholesale - Other nondurable goods merchant wholesalers	9	910,215	2,385,340	4,168,878
Wholesale - Wholesale electronic markets and agents and brokers	4	592,357	675,759	775,214
Retail - Motor vehicle and parts dealers	7	582,120	1,074,317	1,376,376
Retail - Furniture and home furnishings stores	5	320,376	534,807	771,906
Retail - Electronics and appliance stores	4	352,580	416,266	585,552
Retail - Building material and garden equipment and supplies stores	5	316,412	851,089	1,082,482
Retail - Food and beverage stores	22	1,023,304	1,824,781	2,628,764
Retail - Health and personal care stores	9	523,174	779,260	1,080,729
Retail - Gasoline stores	5	317,745	791,029	1,178,427
Retail - Clothing and clothing accessories stores	9	450,795	950,021	1,500,986
Retail - Sporting goods, hobby, musical instrument and book stores	7	275,781	459,074	669,530
Retail - General merchandise stores	17	825,993	1,742,321	2,441,305
Retail - Miscellaneous store retailers	14	672,933	847,554	1,153,254
Retail - Nonstore retailers	17	463,740	3,289,782	4,831,553
Air transportation	7	1,046,742	2,024,271	3,929,099
Rail transportation	1	161,252	420,696	833,761
Water transportation	2	190,227	437,480	1,323,643
Truck transportation	13	1,130,886	1,704,734	3,243,800
Transit and ground passenger transportation	19	714,650	793,261	1,087,129
Pipeline transportation	<1	26,119	88,633	135,758
Scenic and sightseeing transportation and support activities for transportation	12	1,618,055	1,383,777	1,846,790
Couriers and messengers	23	526,301	1,130,095	1,405,183
Warehousing and storage	12	794,986	847,503	1,473,405
Newspaper publishers	<1	61,991	126,140	170,826
Periodical publishers	<1	55,864	100,033	146,381
Book publishers	<1	90,739	324,989	442,006

## Appendix

Directory, mailing list, and other publishers	<1	41,582	124,933	165,565
Greeting card publishing	<1	3,859	16,954	18,844
Software publishers	8	2,871,886	6,542,926	7,347,256
Motion picture and video industries	3	209,468	342,351	796,958
Sound recording industries	<1	27,257	194,829	310,187
Radio and television broadcasting	3	1,850,027	1,943,104	3,006,930
Cable and other subscription programming	2	995,585	1,922,511	4,442,416
Wired telecommunications carriers	3	271,386	408,540	1,024,943
Wireless telecommunications carriers (except satellite)	2	379,584	1,059,598	3,598,380
Satellite, telecommunications resellers, and all other telecommunications	<1	121,338	131,727	270,597
Data processing, hosting, and related services	6	1,365,902	3,850,529	6,390,159
News syndicates, libraries, archives and all other information services	<1	276,085	535,059	677,472
Internet publishing and broadcasting and web search portals	6	1,634,199	5,785,894	11,270,166
Nondepository credit intermediation and related activities	6	932,536	1,009,226	1,393,637
Securities and commodity contracts intermediation and brokerage	12	1,104,932	736,494	1,496,967
Monetary authorities and depository credit intermediation	18	2,303,510	7,389,858	10,206,671
Other financial investment activities	19	1,489,362	1,640,560	3,790,783
Direct life insurance carriers	2	255,190	565,021	725,617
Insurance carriers, except direct life	8	894,125	3,229,850	5,971,534
Insurance agencies, brokerages, and related activities	11	1,157,940	1,940,145	3,920,075
Funds, trusts, and other financial vehicles	7	332,980	608,674	1,774,060
Other real estate	123	6,157,137	16,590,909	31,934,604
Tenant-occupied housing	15	686,390	5,533,752	5,913,989
Owner-occupied dwellings	0	0	17,246,672	20,813,877
Automotive equipment rental and leasing	2	198,426	1,118,949	1,218,619

## Appendix

General and consumer goods rental except video tapes and discs	2	175,338	421,429	531,013
Video tape and disc rental	<1	93,048	160,018	208,282
Commercial and industrial machinery and equipment rental and leasing	2	237,330	1,005,761	1,130,696
Lessors of nonfinancial intangible assets	<1	28,452	1,226,145	1,277,903
Legal services	34	4,081,851	9,966,561	12,132,449
Accounting, tax preparation, bookkeeping, and payroll services	15	1,495,279	2,414,316	3,354,099
Architectural, engineering, and related services	19	2,094,348	2,541,030	4,138,484
Specialized design services	1	139,819	344,509	498,517
Custom computer programming services	5	883,101	1,019,515	1,247,063
Computer systems design services	8	1,173,718	1,169,411	1,404,519
Other computer related services, including facilities management	3	478,971	767,938	1,151,294
Management consulting services	55	7,304,407	7,749,044	11,183,903
Environmental and other technical consulting services	8	820,079	1,017,068	1,514,610
Scientific research and development services	882	141,854,865	219,085,516	322,640,245
Advertising, public relations, and related services	7	763,996	1,644,325	2,685,212
Photographic services	<1	31,518	126,356	210,840
Veterinary services	4	247,848	315,578	453,812
Marketing research and all other miscellaneous professional, scientific, and technical services	10	1,189,895	2,978,296	4,771,220
Management of companies and enterprises	43	10,650,867	11,259,506	15,186,507
Office administrative services	12	1,237,784	373,209	1,003,679
Facilities support services	2	110,966	150,022	327,336
Employment services	63	4,944,753	6,685,506	9,600,405
Business support services	8	637,054	559,979	862,902
Travel arrangement and reservation services	4	590,368	905,566	1,864,636
Investigation and security services	10	604,066	631,400	846,324
Services to buildings	16	739,571	1,076,378	2,018,052
Landscape and horticultural services	10	552,872	709,270	1,241,037
Other support services	4	274,772	354,207	651,218
Waste management and remediation services	4	490,410	941,700	1,574,140

## Appendix

Elementary and secondary schools	10	567,480	479,610	569,800
Junior colleges, colleges, universities, and professional schools	19	811,775	1,031,380	1,476,017
Other educational services	7	306,726	342,412	670,115
Offices of physicians	31	4,057,941	4,084,610	5,594,005
Offices of dentists	13	925,760	1,066,542	1,463,525
Offices of other health practitioners	12	752,354	1,057,528	1,355,228
Outpatient care centers	14	1,280,714	1,261,965	1,867,104
Medical and diagnostic laboratories	3	297,974	436,630	592,396
Home health care services	7	479,794	477,020	589,132
Other ambulatory health care services	3	271,101	308,663	445,705
Hospitals	51	6,044,293	7,074,156	11,857,020
Nursing and community care facilities	16	1,018,315	1,078,072	1,648,218
Residential mental retardation, mental health, substance abuse and other facilities	5	368,492	372,575	509,068
Individual and family services	47	1,908,031	1,761,079	2,340,740
Child day care services	11	483,763	863,224	1,048,442
Community food, housing, and other relief services, including rehabilitation services	9	484,974	466,254	877,093
Performing arts companies	4	135,075	301,112	462,606
Commercial Sports Except Racing	9	497,942	501,853	708,746
Racing and Track Operation	<1	20,258	45,425	69,880
Independent artists, writers, and performers	1	53,778	208,836	268,933
Promoters of performing arts and sports and agents for public figures	4	130,808	441,777	753,890
Museums, historical sites, zoos, and parks	<1	64,479	85,249	129,577
Amusement parks and arcades	<1	6,951	14,246	17,472
Gambling industries (except casino hotels)	6	267,835	918,299	1,169,551
Other amusement and recreation industries	5	164,376	151,109	221,155
Fitness and recreational sports centers	4	98,286	140,573	216,563
Bowling centers	<1	21,866	32,869	48,425
Hotels and motels, including casino hotels	6	270,626	734,692	987,570
Other accommodations	2	75,664	96,907	123,997

## Appendix

Full-service restaurants	48	2,017,468	3,228,875	5,381,338
Limited-service restaurants	40	1,369,685	2,374,831	4,652,787
All other food and drinking places	34	1,472,420	2,241,145	3,287,398
Automotive repair and maintenance, except car washes	15	1,230,419	1,603,226	2,098,490
Car washes	7	573,778	1,051,336	1,380,955
Electronic and precision equipment repair and maintenance	3	361,949	529,549	723,685
Commercial and industrial machinery and equipment repair and maintenance	4	419,125	508,472	691,493
Personal and household goods repair and maintenance	3	173,425	355,150	468,161
Personal care services	16	587,606	330,444	404,651
Death care services	2	82,122	53,869	72,172
Dry-cleaning and laundry services	5	209,286	123,881	155,736
Other personal services	10	434,903	563,601	748,323
Religious organizations	35	2,081,838	923,606	3,041,654
Grantmaking, giving, and social advocacy organizations	6	594,710	1,622,531	2,164,342
Business and professional associations	2	247,378	378,668	596,484
Labor and civic organizations	8	351,257	923,565	1,468,355
Private households	12	142,915	142,915	142,915
Postal service	5	544,607	547,247	547,431
Federal electric utilities	<1	69,573	178,514	468,767
Other federal government enterprises	<1	48,286	96,299	217,830
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	271,975	384,167	560,645
Local government passenger transit	6	858,765	127,171	322,339
Local government electric utilities	2	280,211	776,061	1,366,882
Other local government enterprises	13	1,416,866	2,561,258	5,928,489
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	510,130	916,302	1,676,812

## Investments in Climate Change Research and Technology

**Table 768: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>234</i>	<i>21,770,548</i>	<i>36,659,586</i>	<i>58,707,378</i>
Oilseed farming	<1	1,045	8,177	9,263
Grain farming	<1	28,130	77,705	177,263
Vegetable and melon farming	<1	9,068	19,618	30,075
Fruit farming	<1	11,967	25,800	32,475
Tree nut farming	<1	30	64	84
Greenhouse, nursery, and floriculture production	<1	4,621	8,342	11,307
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	124	226	311
All other crop farming	<1	7,285	12,735	17,966
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	12,692	54,865	117,990
Dairy cattle and milk production	<1	4,930	12,332	50,876
Poultry and egg production	<1	4,646	7,971	60,771
Animal production, except cattle and poultry and eggs	<1	12,001	40,242	44,726
Forestry, forest products, and timber tract production	<1	546	619	790

## Appendix

Commercial logging	<1	6,263	6,872	9,770
Commercial fishing	<1	14,071	7,660	7,734
Commercial hunting and trapping	<1	28	42	50
Support activities for agriculture and forestry	<1	39,287	41,265	44,789
Oil and gas extraction	<1	94	154	44,073
Coal mining	<1	424	1,406	3,049
Copper, nickel, lead, and zinc mining	<1	748	3,131	6,329
Iron ore mining	<1	798	1,840	4,921
Gold ore mining	<1	194	592	1,423
Silver ore mining	<1	62	135	343
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	939	4,052	7,260
Sand and gravel mining	<1	1,639	3,103	6,295
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	84	132	320
Phosphate rock mining	<1	27	53	125
Other chemical and fertilizer mineral mining	<1	14	22	53
Other nonmetallic minerals	<1	144	274	623
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	1	1	10
Metal mining services	<1	171	-32	3,415
Other nonmetallic minerals services	<1	5	7	93
Electric power generation - Hydroelectric	<1	1,008	4,367	6,672
Electric power generation - Fossil fuel	<1	1,284	10,103	17,822
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	219	640	760
Electric power generation - Wind	<1	567	11,115	16,199
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	238	995	1,407
Electric power generation - All other	<1	78	58	61
Electric power transmission and distribution	<1	24,133	160,988	281,974

## Appendix

Natural gas distribution	<1	7,898	50,792	83,537
Water, sewage and other systems	<1	2,370	8,296	13,069
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	64,457	99,905	217,450
Maintenance and repair construction of residential structures	<1	27,106	41,532	85,899
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	33	52	113
Dog and cat food manufacturing	<1	2,229	4,616	25,281
Other animal food manufacturing	<1	4,797	8,601	69,799
Flour milling	<1	2,123	3,605	24,874
Rice milling	0	0	0	0
Malt manufacturing	<1	143	199	1,276
Wet corn milling	<1	5,329	8,904	85,476
Soybean and other oilseed processing	<1	1,208	5,078	73,099
Fats and oils refining and blending	<1	4	9	149
Breakfast cereal manufacturing	<1	1,459	2,697	14,828
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	281	361	2,521



## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	264	346	1,889
Confectionery manufacturing from purchased chocolate	<1	2,021	2,562	14,881
Frozen fruits, juices and vegetables manufacturing	<1	4,767	7,673	37,340
Frozen specialties manufacturing	<1	5,292	6,473	25,587
Canned fruits and vegetables manufacturing	<1	2,757	4,226	20,157
Canned specialties	<1	2,002	3,516	18,640
Dehydrated food products manufacturing	<1	1,432	2,165	9,649
Cheese manufacturing	<1	683	877	11,079
Dry, condensed, and evaporated dairy product manufacturing	<1	1,702	3,101	21,981
Fluid milk manufacturing	<1	3,641	4,890	33,043
Creamery butter manufacturing	<1	659	1,648	12,429
Ice cream and frozen dessert manufacturing	<1	830	1,030	4,342
Frozen cakes and other pastries manufacturing	<1	7,635	13,554	22,137
Poultry processing	<1	7,851	8,963	40,177
Animal, except poultry, slaughtering	<1	19,524	22,942	186,763
Meat processed from carcasses	<1	9,483	9,411	68,835
Rendering and meat byproduct processing	<1	612	757	3,652
Seafood product preparation and packaging	<1	16,140	19,032	76,137
Bread and bakery product, except frozen, manufacturing	<1	21,663	32,121	77,613
Cookie and cracker manufacturing	<1	2,632	3,262	14,740
Dry pasta, mixes, and dough manufacturing	<1	2,362	4,085	13,538
Tortilla manufacturing	<1	260	318	1,317
Roasted nuts and peanut butter manufacturing	<1	1,672	2,722	10,982
Other snack food manufacturing	<1	4,953	9,360	36,304
Coffee and tea manufacturing	<1	3,356	4,951	28,367
Flavoring syrup and concentrate manufacturing	<1	975	4,485	17,393
Mayonnaise, dressing, and sauce manufacturing	<1	80	127	903
Spice and extract manufacturing	<1	1,291	1,763	8,955
All other food manufacturing	<1	3,548	4,454	21,821
Bottled and canned soft drinks & water	<1	10,490	15,227	69,599
Manufactured ice	<1	284	169	821

## Appendix

Breweries	<1	8,203	15,042	51,820
Wineries	<1	7,811	11,544	45,379
Distilleries	<1	1,368	5,802	15,084
Tobacco product manufacturing	<1	124	1,630	2,407
Fiber, yarn, and thread mills	<1	69	72	549
Broadwoven fabric mills	<1	637	601	3,550
Narrow fabric mills and schiffli machine embroidery	<1	72	71	242
Nonwoven fabric mills	<1	319	237	1,714
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	20	19	116
Fabric coating mills	<1	30	30	165
Carpet and rug mills	<1	350	312	1,504
Curtain and linen mills	<1	74	69	253
Textile bag and canvas mills	<1	1,579	1,456	5,318
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,814	1,617	6,436
Other textile product mills	<1	486	464	1,589
Hosiery and sock mills	<1	43	85	158
Other apparel knitting mills	<1	60	120	228
Cut and sew apparel contractors	<1	306	329	733
Men's and boys' cut and sew apparel manufacturing	<1	417	349	1,163
Women's and girls' cut and sew apparel manufacturing	<1	505	158	2,150
Other cut and sew apparel manufacturing	<1	321	243	1,032
Apparel accessories and other apparel manufacturing	<1	156	146	545
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	139	128	579
Other leather and allied product manufacturing	<1	56	49	177
Sawmills	<1	6,071	15,999	38,185
Wood preservation	<1	577	2,825	6,187
Veneer and plywood manufacturing	<1	1,971	4,273	9,649
Engineered wood member and truss manufacturing	<1	1,257	3,086	7,285
Reconstituted wood product manufacturing	<1	213	1,138	3,093
Wood windows and door manufacturing	<1	6,385	11,610	26,283
Cut stock, resawing lumber, and planing	<1	660	2,121	4,286

## Appendix

Other millwork, including flooring	<1	1,542	3,784	7,989
Wood container and pallet manufacturing	<1	2,039	3,901	8,490
Manufactured home (mobile home) manufacturing	<1	<1	1	5
Prefabricated wood building manufacturing	<1	197	558	1,196
All other miscellaneous wood product manufacturing	<1	728	1,491	3,650
Pulp mills	<1	48	58	240
Paper mills	<1	20,986	35,850	132,159
Paperboard mills	<1	7,638	11,781	47,948
Paperboard container manufacturing	<1	13,105	16,986	73,193
Paper bag and coated and treated paper manufacturing	<1	2,019	2,637	10,317
Stationery product manufacturing	<1	169	202	1,296
Sanitary paper product manufacturing	<1	1,285	2,363	9,691
All other converted paper product manufacturing	<1	500	689	2,492
Printing	<1	18,183	23,923	51,256
Support activities for printing	<1	540	695	1,171
Petroleum refineries	<1	19,952	181,699	807,811
Asphalt paving mixture and block manufacturing	<1	664	979	4,008
Asphalt shingle and coating materials manufacturing	<1	651	2,412	6,370
Petroleum lubricating oil and grease manufacturing	<1	405	1,162	3,781
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	2,508	27,542	104,754
Industrial gas manufacturing	<1	1,064	2,942	8,591
Synthetic dye and pigment manufacturing	<1	212	383	1,159
Other basic inorganic chemical manufacturing	<1	3,074	6,228	19,019
Other basic organic chemical manufacturing	<1	2,049	4,707	34,124
Plastics material and resin manufacturing	<1	1,905	3,177	21,617
Synthetic rubber manufacturing	<1	113	155	617
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	985	3,385	14,160

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	481	936	3,298
Pesticide and other agricultural chemical manufacturing	<1	695	2,298	10,844
Medicinal and botanical manufacturing	<1	362	576	2,113
Pharmaceutical preparation manufacturing	<1	2,835	7,067	19,478
In-vitro diagnostic substance manufacturing	<1	380	551	1,309
Biological product (except diagnostic) manufacturing	<1	1,675	4,980	11,455
Paint and coating manufacturing	<1	443	843	3,562
Adhesive manufacturing	<1	308	485	1,903
Soap and other detergent manufacturing	<1	896	2,384	10,994
Polish and other sanitation good manufacturing	<1	1,101	1,766	5,253
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	874	2,443	7,373
Printing ink manufacturing	<1	156	172	722
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	207	333	1,605
Photographic film and chemical manufacturing	<1	164	360	1,447
Other miscellaneous chemical product manufacturing	<1	1,583	2,448	9,211
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,486	3,847	21,197
Unlaminated plastics profile shape manufacturing	<1	4,029	4,711	26,849
Plastics pipe and pipe fitting manufacturing	<1	955	1,144	9,241
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	516	557	2,505
Polystyrene foam product manufacturing	<1	1,933	2,151	10,645
Urethane and other foam product (except polystyrene) manufacturing	<1	2,667	2,892	15,727
Plastics bottle manufacturing	<1	1,319	1,443	8,228
Other plastics product manufacturing	<1	16,812	17,955	73,517
Tire manufacturing	<1	760	824	3,861

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	211	237	1,155
Other rubber product manufacturing	<1	816	858	3,616
Pottery, ceramics, and plumbing fixture manufacturing	<1	474	707	1,411
Brick, tile, and other structural clay product manufacturing	<1	206	337	877
Flat glass manufacturing	<1	908	1,665	3,911
Other pressed and blown glass and glassware manufacturing	<1	2,190	3,431	9,895
Glass container manufacturing	<1	1,477	2,240	5,501
Glass product manufacturing made of purchased glass	<1	6,327	10,732	25,683
Cement manufacturing	<1	687	1,453	3,872
Ready-mix concrete manufacturing	<1	4,342	6,768	21,323
Concrete block and brick manufacturing	<1	270	457	1,234
Concrete pipe manufacturing	<1	187	299	849
Other concrete product manufacturing	<1	2,177	3,125	7,550
Lime manufacturing	<1	705	1,435	3,875
Gypsum product manufacturing	<1	1,297	3,362	8,719
Abrasive product manufacturing	<1	168	339	638
Cut stone and stone product manufacturing	<1	899	1,140	2,571
Ground or treated mineral and earth manufacturing	<1	1,020	2,225	4,555
Mineral wool manufacturing	<1	119	294	758
Miscellaneous nonmetallic mineral products manufacturing	<1	46	101	249
Iron and steel mills and ferroalloy manufacturing	<1	961	1,839	19,769
Iron, steel pipe and tube manufacturing from purchased steel	<1	11	17	108
Rolled steel shape manufacturing	<1	5,429	12,028	50,502
Steel wire drawing	<1	323	485	2,097
Alumina refining and primary aluminum production	<1	320	424	1,944
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	4,153	6,646	34,121
Other aluminum rolling, drawing and extruding	<1	305	377	2,031
Nonferrous metal (exc aluminum) smelting and refining	<1	632	2,616	12,562

## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	719	811	3,600
Secondary processing of other nonferrous metals	<1	10	16	109
Ferrous metal foundries	<1	1,461	1,910	5,806
Nonferrous metal foundries	<1	1,921	2,233	6,142
Custom roll forming	<1	226	269	1,476
Crown and closure manufacturing and metal stamping	<1	931	1,057	3,634
Iron and steel forging	<1	117	135	550
Nonferrous forging	<1	123	136	508
Cutlery, utensil, pot, and pan manufacturing	<1	274	394	1,808
Handtool manufacturing	<1	256	319	996
Prefabricated metal buildings and components manufacturing	<1	422	514	1,997
Fabricated structural metal manufacturing	<1	3,082	3,713	16,190
Plate work manufacturing	<1	1,872	2,000	7,236
Metal window and door manufacturing	<1	1,703	1,987	6,977
Sheet metal work manufacturing	<1	7,049	8,106	26,505
Ornamental and architectural metal work manufacturing	<1	2,475	2,703	8,273
Power boiler and heat exchanger manufacturing	<1	55	64	235
Metal tank (heavy gauge) manufacturing	<1	289	316	1,014
Metal cans manufacturing	<1	1,766	2,396	15,573
Metal barrels, drums and pails manufacturing	<1	361	412	2,032
Hardware manufacturing	<1	747	900	3,104
Spring and wire product manufacturing	<1	599	685	2,876
Machine shops	<1	16,089	17,349	40,010
Turned product and screw, nut, and bolt manufacturing	<1	754	851	2,998
Metal heat treating	<1	708	804	2,443
Metal coating and nonprecious engraving	<1	2,843	3,684	14,500
Electroplating, anodizing, and coloring metal	<1	2,221	2,318	5,276
Valve and fittings, other than plumbing, manufacturing	<1	885	1,060	4,018
Plumbing fixture fitting and trim manufacturing	<1	773	1,202	6,633

Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	61	102	541
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,583	2,268	7,248
Fabricated pipe and pipe fitting manufacturing	<1	254	280	877
Other fabricated metal manufacturing	<1	1,924	2,193	7,963
Farm machinery and equipment manufacturing	<1	418	726	2,878
Lawn and garden equipment manufacturing	<1	14	23	106
Construction machinery manufacturing	<1	45	94	321
Mining machinery and equipment manufacturing	<1	7	10	31
Oil and gas field machinery and equipment manufacturing	<1	4	5	15
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	53	59	158
Sawmill, woodworking, and paper machinery	<1	200	224	660
Printing machinery and equipment manufacturing	<1	16	17	54
All other industrial machinery manufacturing	<1	133	163	452
Optical instrument and lens manufacturing	<1	30	42	117
Photographic and photocopying equipment manufacturing	<1	13	16	53
Other commercial service industry machinery manufacturing	<1	217	328	1,083
Air purification and ventilation equipment manufacturing	<1	47	58	152
Heating equipment (except warm air furnaces) manufacturing	<1	2,437	3,540	11,367
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,035	1,680	5,872
Industrial mold manufacturing	<1	232	272	601
Special tool, die, jig, and fixture manufacturing	<1	350	442	842

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	101	115	296
Machine tool manufacturing	<1	145	176	447
Rolling mill and other metalworking machinery manufacturing	<1	85	109	275
Turbine and turbine generator set units manufacturing	<1	5	5	16
Speed changer, industrial high-speed drive, and gear manufacturing	<1	106	144	371
Mechanical power transmission equipment manufacturing	<1	41	55	151
Other engine equipment manufacturing	<1	80	165	665
Pump and pumping equipment manufacturing	<1	43	67	202
Air and gas compressor manufacturing	<1	3	3	13
Elevator and moving stairway manufacturing	<1	<1	1	5
Conveyor and conveying equipment manufacturing	<1	18	21	58
Overhead cranes, hoists, and monorail systems manufacturing	<1	189	310	1,059
Industrial truck, trailer, and stacker manufacturing	<1	33	52	189
Power-driven handtool manufacturing	<1	4	9	33
Welding and soldering equipment manufacturing	<1	8	11	45
Packaging machinery manufacturing	<1	221	304	965
Industrial process furnace and oven manufacturing	<1	0	0	<1
Fluid power cylinder and actuator manufacturing	<1	249	340	777
Fluid power pump and motor manufacturing	<1	19	29	83
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	114	136	413
Electronic computer manufacturing	<1	283	425	1,172
Computer storage device manufacturing	<1	2	3	13
Computer terminals and other computer peripheral equipment manufacturing	<1	183	284	861
Telephone apparatus manufacturing	<1	132	238	701



## Appendix

Broadcast and wireless communications equipment manufacturing	<1	35	51	126
Other communications equipment manufacturing	<1	35	65	225
Audio and video equipment manufacturing	<1	58	114	661
Printed circuit assembly (electronic assembly) manufacturing	<1	553	989	4,782
Bare printed circuit board manufacturing	<1	13	18	54
Semiconductor and related device manufacturing	<1	1,317	2,317	9,073
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	34,462	46,222	123,063
Electronic connector manufacturing	<1	768	1,125	3,824
Other electronic component manufacturing	<1	1,361	1,758	3,923
Electromedical and electrotherapeutic apparatus manufacturing	<1	342	604	1,411
Search, detection, and navigation instruments manufacturing	<1	34	63	158
Automatic environmental control manufacturing	<1	167	242	727
Industrial process variable instruments manufacturing	<1	51,025	80,724	180,557
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	4,061	5,355	13,289
Analytical laboratory instrument manufacturing	<1	78,684	139,574	300,295
Irradiation apparatus manufacturing	<1	<1	2	7
Watch, clock, and other measuring and controlling device manufacturing	<1	102	158	523
Blank magnetic and optical recording media manufacturing	<1	15	63	220
Software and other prerecorded and record reproducing	<1	41	64	156
Electric lamp bulb and part manufacturing	<1	46	87	162
Lighting fixture manufacturing	<1	459	652	1,854
Small electrical appliance manufacturing	<1	1,452	3,916	8,703

## Appendix

Household cooking appliance manufacturing	<1	3	10	29
Household refrigerator and home freezer manufacturing	<1	3	12	31
Household laundry equipment manufacturing	<1	12	25	89
Other major household appliance manufacturing	<1	2	6	14
Power, distribution, and specialty transformer manufacturing	<1	102	165	424
Motor and generator manufacturing	<1	138	308	719
Switchgear and switchboard apparatus manufacturing	<1	60	134	297
Relay and industrial control manufacturing	<1	2,322	3,433	8,933
Storage battery manufacturing	<1	186	359	1,274
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	132	224	1,024
Other communication and energy wire manufacturing	<1	47	102	455
Wiring device manufacturing	<1	275	675	1,593
Carbon and graphite product manufacturing	<1	590	1,035	3,172
All other miscellaneous electrical equipment and component manufacturing	<1	139	166	493
Automobile manufacturing	<1	270	1,633	3,523
Light truck and utility vehicle manufacturing	<1	50	289	824
Heavy duty truck manufacturing	<1	79	203	620
Motor vehicle body manufacturing	<1	107	164	548
Truck trailer manufacturing	<1	2	4	14
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,119	2,919	14,132
Motor vehicle gasoline engine and engine parts manufacturing	<1	712	1,427	7,079
Motor vehicle electrical and electronic equipment manufacturing	<1	2,097	3,328	14,620
Motor vehicle transmission and power train parts manufacturing	<1	27	51	211
Motor vehicle seating and interior trim manufacturing	<1	76	102	521
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	6,412	10,864	46,632

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,102	1,944	6,881
Aircraft manufacturing	<1	1,631	4,047	7,064
Aircraft engine and engine parts manufacturing	<1	77	291	576
Other aircraft parts and auxiliary equipment manufacturing	<1	1,970	3,692	6,547
Guided missile and space vehicle manufacturing	<1	124	303	481
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	400	769	1,180
Railroad rolling stock manufacturing	<1	25	30	92
Ship building and repairing	<1	898	1,640	3,011
Boat building	<1	7,462	15,439	39,549
Motorcycle, bicycle, and parts manufacturing	<1	206	1,632	2,781
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	99	346	914
Wood kitchen cabinet and countertop manufacturing	<1	6,021	6,616	18,177
Upholstered household furniture manufacturing	<1	70	74	303
Nonupholstered wood household furniture manufacturing	<1	1,001	1,051	3,110
Other household nonupholstered furniture manufacturing	<1	36	46	324
Institutional furniture manufacturing	<1	4	4	14
Wood office furniture manufacturing	<1	22	24	82
Custom architectural woodwork and millwork	<1	28	<1	51
Office furniture, except wood, manufacturing	<1	8	10	51
Showcase, partition, shelving, and locker manufacturing	<1	190	212	756
Mattress manufacturing	<1	824	1,035	6,111
Blind and shade manufacturing	<1	63	54	234
Surgical and medical instrument manufacturing	<1	285	327	705
Surgical appliance and supplies manufacturing	<1	969	1,260	4,039

## Appendix

Dental equipment and supplies manufacturing	<1	28	33	109
Ophthalmic goods manufacturing	<1	366	449	1,241
Dental laboratories	<1	1,152	1,202	2,407
Jewelry and silverware manufacturing	<1	1,454	2,724	6,393
Sporting and athletic goods manufacturing	<1	2,868	3,289	12,357
Doll, toy, and game manufacturing	<1	7,074	8,167	23,630
Office supplies (except paper) manufacturing	<1	500	575	2,316
Sign manufacturing	<1	806	722	1,916
Gasket, packing, and sealing device manufacturing	<1	419	437	1,299
Musical instrument manufacturing	<1	269	275	780
Fasteners, buttons, needles, and pins manufacturing	<1	360	370	735
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2,266	2,624	8,081
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	14,797	34,769	71,296
Wholesale - Professional and commercial equipment and supplies	<1	70,629	127,066	185,336
Wholesale - Household appliances and electrical and electronic goods	<1	28,523	72,973	139,380
Wholesale - Machinery, equipment, and supplies	<1	32,867	66,867	117,428
Wholesale - Other durable goods merchant wholesalers	<1	59,250	116,229	225,606
Wholesale - Drugs and druggists'sundries	<1	25,074	64,234	139,997
Wholesale - Grocery and related product wholesalers	<1	56,818	89,137	179,987
Wholesale - Petroleum and petroleum products	<1	6,995	142,949	164,291
Wholesale - Other nondurable goods merchant wholesalers	<1	78,872	201,367	359,525
Wholesale - Wholesale electronic markets and agents and brokers	<1	52,189	60,045	69,706
Retail - Motor vehicle and parts dealers	<1	50,078	93,627	120,558
Retail - Furniture and home furnishings stores	<1	27,031	45,602	66,369

## Appendix

Retail - Electronics and appliance stores	<1	29,547	35,268	50,877
Retail - Building material and garden equipment and supplies stores	<1	26,405	72,852	93,033
Retail - Food and beverage stores	2	82,465	149,171	215,608
Retail - Health and personal care stores	<1	43,695	65,670	92,512
Retail - Gasoline stores	<1	27,850	71,686	108,041
Retail - Clothing and clothing accessories stores	<1	37,300	81,390	130,899
Retail - Sporting goods, hobby, musical instrument and book stores	<1	22,793	38,513	56,880
Retail - General merchandise stores	1	72,095	154,466	217,346
Retail - Miscellaneous store retailers	1	56,287	71,855	99,405
Retail - Nonstore retailers	1	38,636	276,749	406,956
Air transportation	<1	97,837	187,047	369,149
Rail transportation	<1	14,198	40,639	76,686
Water transportation	<1	13,164	27,542	93,591
Truck transportation	1	104,669	159,385	310,652
Transit and ground passenger transportation	1	42,631	49,294	70,962
Pipeline transportation	<1	3,979	10,924	17,011
Scenic and sightseeing transportation and support activities for transportation	3	368,117	323,540	454,123
Couriers and messengers	2	41,061	93,887	116,578
Warehousing and storage	1	73,599	77,901	137,421
Newspaper publishers	<1	4,327	7,842	11,369
Periodical publishers	<1	2,973	4,516	7,492
Book publishers	<1	5,828	18,015	26,739
Directory, mailing list, and other publishers	<1	3,432	9,304	12,804
Greeting card publishing	<1	332	1,316	1,491
Software publishers	<1	272,304	568,446	658,715
Motion picture and video industries	<1	16,281	26,594	64,589
Sound recording industries	<1	2,547	18,138	29,984
Radio and television broadcasting	<1	134,440	140,552	244,513
Cable and other subscription programming	<1	69,228	125,046	309,275
Wired telecommunications carriers	<1	25,170	36,292	93,580

Appendix

Wireless telecommunications carriers (except satellite)	<1	37,014	87,138	320,242
Satellite, telecommunications resellers, and all other telecommunications	<1	11,074	12,806	25,412
Data processing, hosting, and related services	<1	133,232	378,861	639,069
News syndicates, libraries, archives and all other information services	<1	18,974	36,861	46,737
Internet publishing and broadcasting and web search portals	<1	126,297	450,990	880,751
Nondepository credit intermediation and related activities	<1	78,193	84,142	119,667
Securities and commodity contracts intermediation and brokerage	1	82,542	57,673	131,883
Monetary authorities and depository credit intermediation	2	205,124	565,676	839,477
Other financial investment activities	2	100,269	110,516	290,037
Direct life insurance carriers	<1	22,716	48,776	66,098
Insurance carriers, except direct life	<1	74,266	259,093	510,822
Insurance agencies, brokerages, and related activities	1	109,833	182,461	381,299
Funds, trusts, and other financial vehicles	<1	25,204	42,985	145,430
Other real estate	10	471,996	1,283,617	2,579,638
Tenant-occupied housing	1	57,222	441,930	477,322
Owner-occupied dwellings	0	0	1,408,174	1,709,774
Automotive equipment rental and leasing	<1	16,000	85,411	97,055
General and consumer goods rental except video tapes and discs	<1	18,245	43,968	56,390
Video tape and disc rental	<1	8,091	14,040	18,201
Commercial and industrial machinery and equipment rental and leasing	<1	20,326	83,123	95,702
Lessors of nonfinancial intangible assets	<1	2,639	97,671	102,534
Legal services	3	301,300	702,955	875,407
Accounting, tax preparation, bookkeeping, and payroll services	1	115,831	183,181	263,675
Architectural, engineering, and related services	1	149,235	179,482	297,453
Specialized design services	<1	9,870	23,904	36,345

## Appendix

Custom computer programming services	<1	81,205	94,160	118,895
Computer systems design services	<1	83,801	83,403	102,168
Other computer related services, including facilities management	<1	32,251	52,117	78,963
Management consulting services	4	464,505	491,274	736,179
Environmental and other technical consulting services	<1	74,218	89,237	135,698
Scientific research and development services	54	8,401,782	13,341,676	19,707,646
Advertising, public relations, and related services	<1	54,643	115,962	196,793
Photographic services	<1	2,662	9,952	17,816
Veterinary services	<1	20,177	25,427	37,366
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	64,314	158,862	262,487
Management of companies and enterprises	3	748,118	788,349	1,098,039
Office administrative services	<1	72,248	20,128	60,326
Facilities support services	<1	8,727	11,495	26,894
Employment services	5	338,403	445,802	692,832
Business support services	<1	54,251	46,777	77,190
Travel arrangement and reservation services	<1	47,653	72,191	154,199
Investigation and security services	<1	47,928	49,961	69,688
Services to buildings	1	61,975	87,815	173,309
Landscape and horticultural services	<1	44,712	56,491	103,408
Other support services	<1	24,272	30,871	59,527
Waste management and remediation services	<1	41,283	80,348	135,350
Elementary and secondary schools	<1	38,002	32,266	39,026
Junior colleges, colleges, universities, and professional schools	40	1,627,507	2,070,496	2,983,912
Other educational services	<1	29,123	32,254	64,923
Offices of physicians	3	332,724	333,764	463,719
Offices of dentists	1	75,544	85,514	119,366
Offices of other health practitioners	1	65,096	88,171	115,063
Outpatient care centers	1	105,602	103,635	151,622
Medical and diagnostic laboratories	<1	25,133	35,621	49,457
Home health care services	<1	37,140	36,771	45,887

## Appendix

Other ambulatory health care services	<1	22,177	24,852	36,548
Hospitals	3	412,254	477,595	802,830
Nursing and community care facilities	1	73,947	77,895	122,952
Residential mental retardation, mental health, substance abuse and other facilities	<1	23,362	23,573	33,193
Individual and family services	4	134,475	123,299	169,539
Child day care services	<1	35,938	62,391	77,569
Community food, housing, and other relief services, including rehabilitation services	<1	31,547	30,206	58,860
Performing arts companies	<1	10,003	21,722	35,631
Commercial Sports Except Racing	<1	41,094	36,687	54,652
Racing and Track Operation	<1	1,372	3,228	5,288
Independent artists, writers, and performers	<1	4,006	15,328	20,349
Promoters of performing arts and sports and agents for public figures	<1	9,958	33,114	60,693
Museums, historical sites, zoos, and parks	<1	4,631	6,024	9,502
Amusement parks and arcades	<1	579	1,170	1,460
Gambling industries (except casino hotels)	<1	20,782	70,119	90,892
Other amusement and recreation industries	<1	12,939	11,807	17,731
Fitness and recreational sports centers	<1	7,397	10,368	16,660
Bowling centers	<1	1,769	2,605	3,940
Hotels and motels, including casino hotels	<1	24,159	67,704	91,816
Other accommodations	<1	5,810	7,459	9,685
Full-service restaurants	4	167,374	271,004	459,512
Limited-service restaurants	3	113,575	199,285	401,798
All other food and drinking places	3	110,128	170,362	256,252
Automotive repair and maintenance, except car washes	1	99,318	135,608	178,623
Car washes	<1	48,027	89,277	118,182
Electronic and precision equipment repair and maintenance	<1	30,688	44,967	63,616
Commercial and industrial machinery and equipment repair and maintenance	<1	37,079	46,103	64,736
Personal and household goods repair and maintenance	<1	14,062	31,875	41,661



## Appendix

Personal care services	1	47,595	30,652	37,012
Death care services	<1	6,086	4,486	5,968
Dry-cleaning and laundry services	<1	18,672	12,664	15,731
Other personal services	<1	35,110	47,333	63,167
Religious organizations	2	140,126	72,683	217,581
Grantmaking, giving, and social advocacy organizations	1	134,737	378,240	504,089
Business and professional associations	<1	16,890	29,605	46,496
Labor and civic organizations	<1	22,852	71,267	108,577
Private households	1	11,563	11,563	11,613
Postal service	<1	44,017	44,203	44,532
Federal electric utilities	<1	16,199	37,149	102,631
Other federal government enterprises	<1	3,632	7,275	16,020
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	27,859	48,895	73,268
Local government passenger transit	<1	63,600	15,242	31,641
Local government electric utilities	<1	27,484	86,117	149,510
Other local government enterprises	1	150,137	356,881	712,761
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	998,945	1,458,712	1,856,020

## Washington, D.C.

## NASA

Table 769: Detailed NASA Impacts by Types of Impact, Washington, D.C.

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,654</i>	<i>385,814,820</i>	<i>507,252,964</i>	<i>712,426,000</i>
Oilseed farming	0	0	0	0
Grain farming	0	0	0	0
Vegetable and melon farming	0	0	0	0
Fruit farming	0	0	0	0
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	0	0	0	0
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	0	0	0	0
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	0	0	0	0
Dairy cattle and milk production	0	0	0	0
Poultry and egg production	0	0	0	0
Animal production, except cattle and poultry and eggs	0	0	0	0
Forestry, forest products, and timber tract production	<1	4	5	6
Commercial logging	<1	237	224	253
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	337	418
Support activities for agriculture and forestry	<1	345	-3,802	782
Oil and gas extraction	<1	4,853	5,584	62,892
Coal mining	<1	477	497	11,038
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	0	0	0	0

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	15	16	75
Metal mining services	<1	78	98	1,325
Other nonmetallic minerals services	<1	7	9	111
Electric power generation - Hydroelectric	<1	66,216	116,824	196,868
Electric power generation - Fossil fuel	1	339,149	849,797	1,830,515
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	27,721	45,405	64,719
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	2	748,172	1,759,302	3,718,519
Natural gas distribution	1	450,531	1,069,782	2,033,090
Water, sewage and other systems	<1	7,507	11,967	18,501
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	1	100,868	102,868	191,489
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	334,217	474,415	1,100,367
Maintenance and repair construction of residential structures	1	89,039	119,770	265,075
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	44	63	147
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	1,408	3,463	23,816
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	71	72	660
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	251	265	2,610
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,072	1,068	15,363
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0

Appendix

Frozen cakes and other pastries manufacturing	<1	6,630	9,118	16,645
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	433	615	3,335
Meat processed from carcasses	<1	421	622	2,573
Rendering and meat byproduct processing	<1	102	142	594
Seafood product preparation and packaging	<1	265	242	2,845
Bread and bakery product, except frozen, manufacturing	<1	13,007	16,457	45,827
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	59	77	261
Other snack food manufacturing	<1	48	68	227
Coffee and tea manufacturing	<1	71	73	1,017
Flavoring syrup and concentrate manufacturing	<1	98	121	1,878
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	402	415	3,771
Bottled and canned soft drinks & water	<1	448	459	2,801
Manufactured ice	0	0	0	0
Breweries	<1	8,853	9,162	36,518
Wineries	<1	817	791	3,172
Distilleries	<1	3,301	3,716	17,036
Tobacco product manufacturing	<1	2,823	7,433	43,251
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	211	416	3,289
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	22	42	249
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	29	73	567
Textile bag and canvas mills	0	0	0	0
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	27	58	408
Hosiery and sock mills	<1	39	59	115
Other apparel knitting mills	<1	75	113	231
Cut and sew apparel contractors	<1	60	94	151
Men's and boys' cut and sew apparel manufacturing	<1	198	232	877
Women's and girls' cut and sew apparel manufacturing	<1	226	266	1,872
Other cut and sew apparel manufacturing	<1	93	115	446
Apparel accessories and other apparel manufacturing	<1	44	68	157
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	-41	-37	165
Other leather and allied product manufacturing	0	0	0	0
Sawmills	<1	922	963	5,074
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	0	0	0	0
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	0	0	0	0
Pulp mills	0	0	0	0
Paper mills	<1	6,766	2,692	25,558
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0

Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	5	451,352	745,052	1,310,370
Support activities for printing	<1	2,122	3,280	5,261
Petroleum refineries	<1	130	136	58,139
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	108	206	737
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	508	656	1,752
Pharmaceutical preparation manufacturing	<1	4,084	7,964	14,788
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	<1	27	42	197
Soap and other detergent manufacturing	<1	153	332	1,299
Polish and other sanitation good manufacturing	0	0	0	0



Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	0	0	0	0
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	469	200	1,205
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	449	1,317	2,512
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0

## Appendix

Other concrete product manufacturing	0	0	0	0
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	678	1,304	2,092
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	439	2,184	3,112
Iron and steel mills and ferroalloy manufacturing	<1	1,680	7,658	28,046
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	0	0	0	0

## Appendix

Fabricated structural metal manufacturing	0	0	0	0
Plate work manufacturing	0	0	0	0
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	0	0	0	0
Ornamental and architectural metal work manufacturing	<1	641	688	1,733
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	399	476	1,739
Spring and wire product manufacturing	0	0	0	0
Machine shops	0	0	0	0
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	0	0	0	0
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	421	489	1,639
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	225	291	879
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	1,484	1,647	4,769
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	<1	62	76	209

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	12	13	42
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	22	26	88

## Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	95	139	400
Computer storage device manufacturing	<1	82	139	476
Computer terminals and other computer peripheral equipment manufacturing	<1	26,357	42,378	91,993
Telephone apparatus manufacturing	<1	42	76	160
Broadcast and wireless communications equipment manufacturing	<1	7	10	22
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	26	48	164
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	17	28	56
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	44	56	97

Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	3	5	12
Search, detection, and navigation instruments manufacturing	<1	<1	1	3
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	3	4	10
Analytical laboratory instrument manufacturing	<1	43,177	73,094	144,181
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	<1	270	1,026	3,156
Software and other prerecorded and record reproducing	<1	512	772	1,591
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2,362	1,584	5,198
Automobile manufacturing	<1	75	80	507
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	88	166	336
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	2	2	5
Aircraft engine and engine parts manufacturing	<1	34	42	113
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	197	1,932	2,262
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	0	0	0	0
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	100	47	175
Surgical appliance and supplies manufacturing	<1	131	26	217
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	95	87	140
Jewelry and silverware manufacturing	<1	727	1,165	3,286
Sporting and athletic goods manufacturing	0	0	0	0
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	0	0	0	0
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0



Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	-1	-189,328	-55,636	-190,108
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	51,846	102,750	178,633
Wholesale - Professional and commercial equipment and supplies	2	385,116	589,249	921,146
Wholesale - Household appliances and electrical and electronic goods	<1	39,862	87,113	149,452
Wholesale - Machinery, equipment, and supplies	<1	10,674	23,499	32,556
Wholesale - Other durable goods merchant wholesalers	<1	121,851	209,092	346,421
Wholesale - Drugs and druggists'sundries	1	380,230	793,061	1,355,880
Wholesale - Grocery and related product wholesalers	<1	85,864	123,308	233,896
Wholesale - Petroleum and petroleum products	<1	1,208	40,859	45,823
Wholesale - Other nondurable goods merchant wholesalers	2	192,614	504,043	876,409
Wholesale - Wholesale electronic markets and agents and brokers	1	297,508	330,360	366,821
Retail - Motor vehicle and parts dealers	<1	10,385	15,903	25,995
Retail - Furniture and home furnishings stores	2	199,888	253,654	368,211
Retail - Electronics and appliance stores	2	263,974	247,925	344,673
Retail - Building material and garden equipment and supplies stores	1	81,289	142,323	194,693
Retail - Food and beverage stores	14	628,990	863,833	1,353,631
Retail - Health and personal care stores	5	317,399	392,937	563,458
Retail - Gasoline stores	1	52,147	104,044	183,766
Retail - Clothing and clothing accessories stores	5	241,578	367,988	666,680
Retail - Sporting goods, hobby, musical instrument and book stores	4	225,247	282,974	389,571
Retail - General merchandise stores	6	472,760	768,827	1,031,205
Retail - Miscellaneous store retailers	6	329,594	343,173	477,345
Retail - Nonstore retailers	5	138,996	699,783	1,148,532
Air transportation	<1	52,309	91,329	193,073

## Appendix

Rail transportation	<1	143,865	185,780	493,957
Water transportation	<1	10,283	15,500	63,190
Truck transportation	2	51,396	74,197	315,569
Transit and ground passenger transportation	7	154,820	180,722	294,952
Pipeline transportation	<1	54,902	107,585	141,797
Scenic and sightseeing transportation and support activities for transportation	2	203,333	159,183	248,089
Couriers and messengers	5	98,284	196,021	252,259
Warehousing and storage	<1	5,342	6,565	16,953
Newspaper publishers	<1	162,475	344,784	402,193
Periodical publishers	<1	124,686	221,282	326,485
Book publishers	<1	104,587	397,754	575,587
Directory, mailing list, and other publishers	<1	24,402	83,598	117,923
Greeting card publishing	0	0	0	0
Software publishers	4	1,187,420	2,991,447	3,416,172
Motion picture and video industries	1	155,303	254,629	417,573
Sound recording industries	<1	12,060	88,330	121,714
Radio and television broadcasting	3	833,186	1,313,726	2,326,756
Cable and other subscription programming	<1	196,400	1,406,187	2,315,088
Wired telecommunications carriers	2	327,623	713,504	1,110,545
Wireless telecommunications carriers (except satellite)	<1	91,845	757,461	1,364,429
Satellite, telecommunications resellers, and all other telecommunications	<1	200,014	225,530	375,632
Data processing, hosting, and related services	4	664,814	1,270,138	2,861,785
News syndicates, libraries, archives and all other information services	<1	155,844	257,298	392,462
Internet publishing and broadcasting and web search portals	3	830,767	2,269,642	5,273,474
Nondepository credit intermediation and related activities	5	1,010,586	1,073,951	1,394,142
Securities and commodity contracts intermediation and brokerage	8	1,881,416	-639,749	387,891
Monetary authorities and depository credit intermediation	12	2,109,344	8,568,499	10,103,010

## Appendix

Other financial investment activities	15	2,771,780	2,856,785	4,306,526
Direct life insurance carriers	<1	59,912	187,613	195,486
Insurance carriers, except direct life	1	247,498	1,476,424	1,847,906
Insurance agencies, brokerages, and related activities	1	273,312	615,497	803,425
Funds, trusts, and other financial vehicles	3	144,767	601,196	1,142,372
Other real estate	215	7,096,348	23,748,152	50,724,274
Tenant-occupied housing	6	138,396	3,776,045	3,942,906
Owner-occupied dwellings	0	0	7,446,808	8,987,064
Automotive equipment rental and leasing	<1	29,946	209,124	244,852
General and consumer goods rental except video tapes and discs	<1	61,398	126,889	164,986
Video tape and disc rental	<1	27,684	42,969	64,491
Commercial and industrial machinery and equipment rental and leasing	<1	74,477	327,545	381,521
Lessors of nonfinancial intangible assets	<1	8,712	159,207	178,292
Legal services	15	4,045,235	5,469,999	6,407,540
Accounting, tax preparation, bookkeeping, and payroll services	10	1,971,105	2,076,411	2,685,265
Architectural, engineering, and related services	38	5,783,141	5,964,515	9,113,544
Specialized design services	2	293,556	348,911	547,127
Custom computer programming services	2	365,524	369,538	461,875
Computer systems design services	5	790,222	715,602	864,417
Other computer related services, including facilities management	4	605,040	724,606	1,220,145
Management consulting services	159	28,942,640	29,373,327	39,221,992
Environmental and other technical consulting services	3	708,960	733,287	954,152
Scientific research and development services	269	42,052,280	49,156,143	81,578,726
Advertising, public relations, and related services	8	2,092,211	2,330,888	3,448,247
Photographic services	<1	5,865	9,250	20,735
Veterinary services	<1	82,685	85,460	114,333
Marketing research and all other miscellaneous professional, scientific, and technical services	25	4,392,441	5,391,755	9,547,719
Management of companies and enterprises	15	3,994,738	4,474,082	5,865,764

## Appendix

Office administrative services	8	914,609	254,345	631,879
Facilities support services	2	130,003	174,251	372,140
Employment services	43	4,288,104	5,810,106	7,859,769
Business support services	4	367,348	299,184	427,869
Travel arrangement and reservation services	1	130,273	202,858	486,935
Investigation and security services	10	694,226	704,434	913,139
Services to buildings	80	3,224,506	4,440,905	9,100,952
Landscape and horticultural services	<1	40,848	50,152	89,140
Other support services	<1	53,916	68,697	128,346
Waste management and remediation services	<1	58,793	84,296	203,321
Elementary and secondary schools	9	755,526	635,296	712,455
Junior colleges, colleges, universities, and professional schools	25	1,912,961	2,487,790	3,044,804
Other educational services	8	685,801	759,443	1,147,582
Offices of physicians	17	3,086,838	3,102,094	3,943,917
Offices of dentists	3	329,319	422,626	528,417
Offices of other health practitioners	3	219,946	382,919	450,081
Outpatient care centers	8	702,634	698,736	1,056,102
Medical and diagnostic laboratories	1	100,225	190,808	243,374
Home health care services	13	614,995	615,294	804,313
Other ambulatory health care services	1	113,119	142,416	191,126
Hospitals	42	4,983,413	5,741,141	9,668,546
Nursing and community care facilities	5	330,174	353,612	520,213
Residential mental retardation, mental health, substance abuse and other facilities	8	531,363	547,548	765,862
Individual and family services	24	1,582,842	1,361,661	1,656,004
Child day care services	8	408,623	616,316	750,551
Community food, housing, and other relief services, including rehabilitation services	13	948,040	878,175	1,455,867
Performing arts companies	1	65,034	98,708	156,629
Commercial Sports Except Racing	2	234,420	96,250	154,000
Racing and Track Operation	<1	17,255	22,015	33,125
Independent artists, writers, and performers	<1	69,547	146,077	185,995

## Appendix

Promoters of performing arts and sports and agents for public figures	3	227,368	444,312	685,145
Museums, historical sites, zoos, and parks	1	92,533	102,219	147,764
Amusement parks and arcades	<1	1,040	934	1,266
Gambling industries (except casino hotels)	5	350,801	737,901	947,658
Other amusement and recreation industries	1	84,118	84,531	105,109
Fitness and recreational sports centers	2	72,359	82,293	121,504
Bowling centers	<1	9,281	18,442	22,611
Hotels and motels, including casino hotels	2	178,076	362,424	466,323
Other accommodations	<1	47,606	62,662	75,438
Full-service restaurants	35	2,001,094	2,571,735	4,152,109
Limited-service restaurants	24	1,267,586	1,678,249	3,075,617
All other food and drinking places	20	1,128,339	1,589,631	2,207,077
Automotive repair and maintenance, except car washes	1	71,576	62,900	104,801
Car washes	<1	27,356	42,903	67,694
Electronic and precision equipment repair and maintenance	<1	75,414	92,053	129,965
Commercial and industrial machinery and equipment repair and maintenance	<1	70,085	63,294	96,696
Personal and household goods repair and maintenance	<1	35,709	55,670	86,752
Personal care services	6	305,959	14,541	46,469
Death care services	<1	20,279	4,269	8,409
Dry-cleaning and laundry services	<1	32,832	4,200	10,074
Other personal services	5	243,824	272,048	366,973
Religious organizations	34	3,857,658	297,558	2,371,525
Grantmaking, giving, and social advocacy organizations	10	1,249,945	1,870,515	2,737,548
Business and professional associations	4	703,523	783,287	1,121,678
Labor and civic organizations	10	1,026,708	1,498,414	2,207,261
Private households	4	162,508	162,508	162,508
Postal service	3	389,742	390,679	390,783
Federal electric utilities	0	0	0	0
Other federal government enterprises	1	253,871	365,898	637,096
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	12	2,053,446	960,555	1,217,429
Local government electric utilities	0	0	0	0
Other local government enterprises	0	0	0	0
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1,179	217,173,967	277,034,568	348,114,475

## Moon to Mars Campaign

**Table 770: Detailed M2M Campaign Impacts by Types of Impact, Washington, D.C.**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>154</i>	<i>23,573,367</i>	<i>29,637,959</i>	<i>45,616,515</i>
Oilseed farming	0	0	0	0
Grain farming	0	0	0	0
Vegetable and melon farming	0	0	0	0
Fruit farming	0	0	0	0
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	0	0	0	0
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	0	0	0	0
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	0	0	0	0
Dairy cattle and milk production	0	0	0	0
Poultry and egg production	0	0	0	0
Animal production, except cattle and poultry and eggs	0	0	0	0
Forestry, forest products, and timber tract production	<1	<1	<1	<1
Commercial logging	0	-41	-46	-47
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	21	26
Support activities for agriculture and forestry	<1	34	-382	79
Oil and gas extraction	<1	146	200	2,576
Coal mining	<1	14	16	346
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	0	0	0	0
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	1	5
Metal mining services	<1	4	6	78
Other nonmetallic minerals services	<1	<1	1	14
Electric power generation - Hydroelectric	<1	4,360	7,447	12,253

## Appendix

Electric power generation - Fossil fuel	<1	18,998	43,592	94,039
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	1,498	2,441	3,467
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	33,145	74,291	156,768
Natural gas distribution	<1	19,370	44,549	82,478
Water, sewage and other systems	<1	514	788	1,192
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	9,688	14,139	31,866
Maintenance and repair construction of residential structures	<1	5,429	7,470	16,163
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	9
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	116	297	1,991
Flour milling	0	0	0	0



## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	5	5	43
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	18	19	191
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	73	75	1,058
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	426	587	1,063
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	24	35	190
Meat processed from carcasses	<1	27	40	166
Rendering and meat byproduct processing	<1	7	9	39
Seafood product preparation and packaging	<1	17	16	177
Bread and bakery product, except frozen, manufacturing	<1	822	1,048	2,908
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0

## Appendix

Roasted nuts and peanut butter manufacturing	<1	4	5	18
Other snack food manufacturing	<1	3	4	14
Coffee and tea manufacturing	<1	5	5	66
Flavoring syrup and concentrate manufacturing	<1	9	11	172
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	27	28	257
Bottled and canned soft drinks & water	<1	26	27	163
Manufactured ice	0	0	0	0
Breweries	<1	555	596	2,359
Wineries	<1	67	65	252
Distilleries	<1	201	242	1,073
Tobacco product manufacturing	<1	167	528	2,858
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	10	22	160
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	4	21
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	2	5	39
Textile bag and canvas mills	0	0	0	0
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	2	4	28
Hosiery and sock mills	<1	2	4	7
Other apparel knitting mills	<1	4	7	13
Cut and sew apparel contractors	<1	4	7	11
Men's and boys' cut and sew apparel manufacturing	<1	12	15	53
Women's and girls' cut and sew apparel manufacturing	<1	17	22	137
Other cut and sew apparel manufacturing	<1	8	10	35
Apparel accessories and other apparel manufacturing	<1	3	5	11
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	-3	-3	11
Other leather and allied product manufacturing	0	0	0	0

## Appendix

Sawmills	<1	62	64	335
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	0	0	0	0
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	0	0	0	0
Pulp mills	0	0	0	0
Paper mills	<1	259	94	967
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	9,708	16,502	27,937
Support activities for printing	<1	175	274	433
Petroleum refineries	<1	9	10	4,074
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	5	10	36
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	53	71	175
Pharmaceutical preparation manufacturing	<1	294	622	1,097
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	<1	1	2	10
Soap and other detergent manufacturing	<1	5	12	42
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	0	0	0	0
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	43	19	110
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	67	190	369
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	0	0	0	0
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	43	82	132
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	44	201	287
Iron and steel mills and ferroalloy manufacturing	<1	132	623	2,240
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0

Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	0	0	0	0
Plate work manufacturing	0	0	0	0
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	0	0	0	0
Ornamental and architectural metal work manufacturing	<1	97	103	257
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	34	40	146
Spring and wire product manufacturing	0	0	0	0

## Appendix

Machine shops	0	0	0	0
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	0	0	0	0
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	48	56	188
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	17	22	64
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	109	120	343
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	<1	9	12	31
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	3	3	11
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0



## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	7	11	28
Computer storage device manufacturing	<1	6	10	34
Computer terminals and other computer peripheral equipment manufacturing	<1	11	16	43
Telephone apparatus manufacturing	<1	3	5	11
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	2	4	13
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	2	3
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	5	6	11
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	0	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	<1	2	3	6
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	<1	30	109	328
Software and other prerecorded and record reproducing	<1	46	69	136
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	1	4
Automobile manufacturing	<1	4	5	28
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	5	10	19
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	4	5	12
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	11	106	124
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	0	0	0	0
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	7	3	12
Surgical appliance and supplies manufacturing	<1	10	2	15
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	6	6	10
Jewelry and silverware manufacturing	<1	44	72	200
Sporting and athletic goods manufacturing	0	0	0	0
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	0	0	0	0
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	0	-27,234	-14,966	-48,125
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,457	6,899	12,019
Wholesale - Professional and commercial equipment and supplies	<1	30,605	47,083	73,090
Wholesale - Household appliances and electrical and electronic goods	<1	3,133	6,859	11,762
Wholesale - Machinery, equipment, and supplies	<1	1,005	2,214	3,065
Wholesale - Other durable goods merchant wholesalers	<1	8,819	15,146	25,091

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	25,264	52,645	89,024
Wholesale - Grocery and related product wholesalers	<1	5,324	7,623	14,459
Wholesale - Petroleum and petroleum products	<1	68	2,700	2,958
Wholesale - Other nondurable goods merchant wholesalers	<1	12,695	34,424	58,749
Wholesale - Wholesale electronic markets and agents and brokers	<1	18,414	20,377	22,592
Retail - Motor vehicle and parts dealers	<1	579	890	1,448
Retail - Furniture and home furnishings stores	<1	11,878	15,134	21,842
Retail - Electronics and appliance stores	<1	15,854	15,001	20,489
Retail - Building material and garden equipment and supplies stores	<1	4,108	7,222	9,840
Retail - Food and beverage stores	<1	38,967	53,555	83,410
Retail - Health and personal care stores	<1	19,167	23,795	33,819
Retail - Gasoline stores	<1	3,302	6,441	11,150
Retail - Clothing and clothing accessories stores	<1	14,525	22,051	39,336
Retail - Sporting goods, hobby, musical instrument and book stores	<1	13,494	16,949	23,088
Retail - General merchandise stores	<1	27,505	44,930	59,727
Retail - Miscellaneous store retailers	<1	19,641	20,540	28,186
Retail - Nonstore retailers	<1	8,167	42,135	69,056
Air transportation	<1	6,707	12,253	25,558
Rail transportation	<1	11,325	13,630	37,486
Water transportation	<1	1,325	2,110	7,934
Truck transportation	<1	7,836	11,244	45,728
Transit and ground passenger transportation	<1	12,630	14,680	22,681
Pipeline transportation	<1	3,366	7,017	9,232
Scenic and sightseeing transportation and support activities for transportation	<1	21,418	16,574	25,786
Couriers and messengers	<1	8,160	16,119	20,703
Warehousing and storage	<1	374	461	1,184
Newspaper publishers	<1	13,036	29,958	33,258
Periodical publishers	<1	11,688	23,412	31,565
Book publishers	<1	7,572	32,659	44,126

## Appendix

Directory, mailing list, and other publishers	<1	1,632	5,926	8,312
Greeting card publishing	0	0	0	0
Software publishers	<1	160,457	446,927	484,713
Motion picture and video industries	<1	10,906	17,992	27,996
Sound recording industries	<1	877	6,583	8,645
Radio and television broadcasting	<1	63,327	100,455	165,864
Cable and other subscription programming	<1	15,803	116,883	182,267
Wired telecommunications carriers	<1	18,910	42,901	65,782
Wireless telecommunications carriers (except satellite)	<1	5,665	51,964	88,898
Satellite, telecommunications resellers, and all other telecommunications	<1	12,873	14,310	24,200
Data processing, hosting, and related services	<1	45,692	87,208	192,671
News syndicates, libraries, archives and all other information services	<1	13,772	22,901	33,917
Internet publishing and broadcasting and web search portals	<1	77,967	210,386	527,523
Nondepository credit intermediation and related activities	<1	65,974	70,283	89,288
Securities and commodity contracts intermediation and brokerage	<1	124,079	-40,936	23,021
Monetary authorities and depository credit intermediation	<1	118,089	511,540	582,209
Other financial investment activities	<1	206,409	211,778	291,736
Direct life insurance carriers	<1	3,392	10,747	11,075
Insurance carriers, except direct life	<1	12,840	76,860	94,302
Insurance agencies, brokerages, and related activities	<1	16,117	36,135	46,818
Funds, trusts, and other financial vehicles	<1	9,777	42,419	71,636
Other real estate	6	165,096	676,918	1,367,352
Tenant-occupied housing	<1	8,486	235,772	244,657
Owner-occupied dwellings	0	0	460,208	555,394
Automotive equipment rental and leasing	<1	2,185	15,622	17,922

## Appendix

General and consumer goods rental except video tapes and discs	<1	4,083	8,437	10,849
Video tape and disc rental	<1	1,616	2,524	3,791
Commercial and industrial machinery and equipment rental and leasing	<1	5,396	23,870	27,698
Lessors of nonfinancial intangible assets	<1	677	13,315	14,854
Legal services	1	358,820	498,354	575,060
Accounting, tax preparation, bookkeeping, and payroll services	<1	147,445	157,988	200,318
Architectural, engineering, and related services	19	2,791,559	2,948,249	4,475,604
Specialized design services	<1	29,311	35,522	54,092
Custom computer programming services	<1	29,510	29,743	36,983
Computer systems design services	<1	73,030	66,244	79,397
Other computer related services, including facilities management	<1	42,005	51,038	85,600
Management consulting services	8	1,531,274	1,557,975	2,037,845
Environmental and other technical consulting services	<1	87,114	90,839	116,360
Scientific research and development services	34	5,600,329	6,532,983	10,572,981
Advertising, public relations, and related services	<1	162,479	183,601	265,451
Photographic services	<1	400	668	1,430
Veterinary services	<1	5,282	5,513	7,266
Marketing research and all other miscellaneous professional, scientific, and technical services	1	241,310	287,516	525,221
Management of companies and enterprises	1	376,304	423,949	548,463
Office administrative services	<1	112,632	33,923	77,149
Facilities support services	<1	11,734	16,083	32,834
Employment services	4	443,634	613,942	794,677
Business support services	<1	26,624	22,037	30,384
Travel arrangement and reservation services	<1	10,146	15,994	36,445
Investigation and security services	<1	47,973	48,759	61,980
Services to buildings	<1	37,277	52,712	104,365
Landscape and horticultural services	<1	1,681	2,085	3,621
Other support services	<1	4,245	5,464	9,977
Waste management and remediation services	<1	2,796	3,999	9,596

## Appendix

Elementary and secondary schools	<1	54,639	45,737	50,816
Junior colleges, colleges, universities, and professional schools	3	238,771	308,661	378,436
Other educational services	<1	30,691	34,130	50,954
Offices of physicians	1	185,839	187,154	237,441
Offices of dentists	<1	19,835	25,861	32,116
Offices of other health practitioners	<1	12,997	23,358	27,233
Outpatient care centers	<1	44,426	44,333	67,165
Medical and diagnostic laboratories	<1	6,179	12,178	15,261
Home health care services	<1	39,324	39,452	51,687
Other ambulatory health care services	<1	6,874	8,777	11,683
Hospitals	3	329,318	382,053	643,431
Nursing and community care facilities	<1	21,153	22,672	32,831
Residential mental retardation, mental health, substance abuse and other facilities	<1	36,983	38,130	52,648
Individual and family services	2	106,940	93,138	112,093
Child day care services	<1	26,616	41,544	49,827
Community food, housing, and other relief services, including rehabilitation services	<1	68,259	63,463	102,826
Performing arts companies	<1	4,716	7,065	10,552
Commercial Sports Except Racing	<1	16,404	7,060	11,046
Racing and Track Operation	<1	1,190	1,467	2,129
Independent artists, writers, and performers	<1	4,247	8,672	10,833
Promoters of performing arts and sports and agents for public figures	<1	16,237	30,555	44,444
Museums, historical sites, zoos, and parks	<1	6,215	6,857	9,678
Amusement parks and arcades	<1	72	64	86
Gambling industries (except casino hotels)	<1	21,990	46,825	59,497
Other amusement and recreation industries	<1	5,366	5,422	6,641
Fitness and recreational sports centers	<1	5,028	5,752	8,283
Bowling centers	<1	571	1,144	1,381
Hotels and motels, including casino hotels	<1	13,433	26,652	34,220
Other accommodations	<1	4,360	5,695	6,783



## Appendix

Full-service restaurants	2	127,862	163,639	262,058
Limited-service restaurants	1	77,895	102,587	184,780
All other food and drinking places	1	83,177	115,892	158,486
Automotive repair and maintenance, except car washes	<1	4,591	3,926	6,529
Car washes	<1	1,611	2,522	3,964
Electronic and precision equipment repair and maintenance	<1	6,026	7,439	10,303
Commercial and industrial machinery and equipment repair and maintenance	<1	4,551	4,078	6,155
Personal and household goods repair and maintenance	<1	1,931	2,836	4,458
Personal care services	<1	18,969	819	2,664
Death care services	<1	1,329	258	514
Dry-cleaning and laundry services	<1	2,142	250	609
Other personal services	<1	18,382	19,945	26,967
Religious organizations	2	278,369	18,947	161,713
Grantmaking, giving, and social advocacy organizations	<1	93,851	123,208	183,658
Business and professional associations	<1	48,453	49,166	70,706
Labor and civic organizations	<1	74,175	95,015	143,527
Private households	<1	10,706	10,706	10,706
Postal service	<1	28,886	28,962	28,970
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	18,624	29,668	47,434
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	146,788	39,246	69,662
Local government electric utilities	0	0	0	0
Other local government enterprises	0	0	0	0
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	36	7,377,944	9,282,251	14,675,605

## Investments in Climate Change Research and Technology

**Table 771: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>398</i>	<i>53,996,121</i>	<i>67,683,564</i>	<i>103,379,515</i>
Oilseed farming	0	0	0	0
Grain farming	0	0	0	0
Vegetable and melon farming	0	0	0	0
Fruit farming	0	0	0	0
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	0	0	0	0
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	0	0	0	0
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	0	0	0	0
Dairy cattle and milk production	0	0	0	0
Poultry and egg production	0	0	0	0
Animal production, except cattle and poultry and eggs	0	0	0	0
Forestry, forest products, and timber tract production	<1	<1	<1	<1

## Appendix

Commercial logging	<1	62	61	70
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	56	71
Support activities for agriculture and forestry	<1	95	-1,056	213
Oil and gas extraction	<1	814	783	9,405
Coal mining	<1	88	94	2,124
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	0	0	0	0
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	3	3	16
Metal mining services	<1	34	48	612
Other nonmetallic minerals services	<1	2	3	29
Electric power generation - Hydroelectric	<1	6,013	10,466	17,346
Electric power generation - Fossil fuel	<1	33,881	91,220	196,508
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2,684	4,539	6,506
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	75,728	185,597	395,125

Appendix

Natural gas distribution	<1	40,270	95,604	181,943
Water, sewage and other systems	<1	1,304	2,158	3,443
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	1	98,127	102,310	191,633
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	22,457	31,764	74,834
Maintenance and repair construction of residential structures	<1	12,768	17,061	38,470
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	9	22
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	318	765	5,337
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0

## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	11	11	103
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	39	40	399
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	153	149	2,181
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	1,061	1,464	2,700
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	76	107	572
Meat processed from carcasses	<1	67	98	409
Rendering and meat byproduct processing	<1	19	26	106
Seafood product preparation and packaging	<1	43	39	483
Bread and bakery product, except frozen, manufacturing	<1	2,052	2,579	7,202
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	9	12	41
Other snack food manufacturing	<1	8	11	37
Coffee and tea manufacturing	<1	11	11	159
Flavoring syrup and concentrate manufacturing	<1	23	26	426
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	60	61	565
Bottled and canned soft drinks & water	<1	76	76	467
Manufactured ice	0	0	0	0

## Appendix

Breweries	<1	1,273	1,275	5,133
Wineries	<1	127	121	483
Distilleries	<1	621	618	2,882
Tobacco product manufacturing	<1	444	953	5,839
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	41	78	643
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	7	42
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	5	12	101
Textile bag and canvas mills	0	0	0	0
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	6	13	95
Hosiery and sock mills	<1	6	10	20
Other apparel knitting mills	<1	21	32	67
Cut and sew apparel contractors	<1	35	53	87
Men's and boys' cut and sew apparel manufacturing	<1	52	60	238
Women's and girls' cut and sew apparel manufacturing	<1	35	40	300
Other cut and sew apparel manufacturing	<1	15	18	72
Apparel accessories and other apparel manufacturing	<1	7	11	26
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	-8	-7	35
Other leather and allied product manufacturing	0	0	0	0
Sawmills	<1	198	211	1,089
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0

## Appendix

Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	0	0	0	0
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	0	0	0	0
Pulp mills	0	0	0	0
Paper mills	<1	2,470	1,159	10,122
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	3	237,821	378,408	702,322
Support activities for printing	<1	617	943	1,558
Petroleum refineries	<1	32	33	14,187
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	67	117	428
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0

Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	77	101	272
Pharmaceutical preparation manufacturing	<1	668	1,249	2,397
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	<1	10	15	73
Soap and other detergent manufacturing	<1	62	130	541
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	0	0	0	0
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	112	47	291
Tire manufacturing	0	0	0	0



## Appendix

Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	95	281	529
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	0	0	0	0
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	112	218	347
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	149	775	1,103
Iron and steel mills and ferroalloy manufacturing	<1	240	1,149	4,204
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	0	0	0	0
Plate work manufacturing	0	0	0	0
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	0	0	0	0
Ornamental and architectural metal work manufacturing	<1	137	147	380
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	115	135	501
Spring and wire product manufacturing	0	0	0	0
Machine shops	0	0	0	0
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	0	0	0	0
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	102	116	387
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	44	55	175
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	268	296	871
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	<1	15	19	53
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	6	6	21
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	8	10	34
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	20	29	88
Computer storage device manufacturing	<1	17	29	100
Computer terminals and other computer peripheral equipment manufacturing	<1	26,513	42,938	91,616
Telephone apparatus manufacturing	<1	18	31	65

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	3	6
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	4	7	26
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	4	7	14
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	9	12	21
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	2
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	1,526	2,598	5,177
Irradiation apparatus manufacturing	<1	0	0	<1
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	<1	41	163	509
Software and other prerecorded and record reproducing	<1	126	190	408
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2,316	1,538	5,162
Automobile manufacturing	<1	15	19	107
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	34	64	135
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	21	25	67
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	36	361	426
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	0	0	0	0
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	17	8	30
Surgical appliance and supplies manufacturing	<1	31	6	51

## Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	15	14	22
Jewelry and silverware manufacturing	<1	125	195	554
Sporting and athletic goods manufacturing	0	0	0	0
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	0	0	0	0
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	0	338,848	-100,571	-34,359
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	12,113	24,440	42,023
Wholesale - Professional and commercial equipment and supplies	<1	71,638	110,765	173,591
Wholesale - Household appliances and electrical and electronic goods	<1	8,971	19,997	34,310
Wholesale - Machinery, equipment, and supplies	<1	2,525	5,648	7,812
Wholesale - Other durable goods merchant wholesalers	<1	24,161	42,041	69,407
Wholesale - Drugs and druggists'sundries	<1	58,615	125,488	215,080
Wholesale - Grocery and related product wholesalers	<1	13,415	19,511	37,062
Wholesale - Petroleum and petroleum products	<1	253	7,904	8,927
Wholesale - Other nondurable goods merchant wholesalers	<1	36,679	96,396	168,622
Wholesale - Wholesale electronic markets and agents and brokers	<1	49,512	55,294	61,948
Retail - Motor vehicle and parts dealers	<1	2,113	3,265	5,340
Retail - Furniture and home furnishings stores	<1	31,179	39,853	58,149



## Appendix

Retail - Electronics and appliance stores	<1	40,159	38,022	53,497
Retail - Building material and garden equipment and supplies stores	<1	14,722	26,379	36,008
Retail - Food and beverage stores	2	92,981	129,023	202,770
Retail - Health and personal care stores	<1	46,450	57,960	83,951
Retail - Gasoline stores	<1	8,075	16,368	28,918
Retail - Clothing and clothing accessories stores	<1	37,089	57,918	106,337
Retail - Sporting goods, hobby, musical instrument and book stores	<1	34,563	43,888	60,934
Retail - General merchandise stores	1	76,342	125,566	168,670
Retail - Miscellaneous store retailers	<1	49,589	52,154	73,250
Retail - Nonstore retailers	<1	21,613	111,241	182,602
Air transportation	<1	12,171	18,374	39,922
Rail transportation	<1	30,611	39,203	104,506
Water transportation	<1	2,366	3,556	13,887
Truck transportation	<1	11,395	16,296	71,894
Transit and ground passenger transportation	1	19,835	23,723	40,405
Pipeline transportation	<1	8,027	14,879	19,944
Scenic and sightseeing transportation and support activities for transportation	<1	47,088	37,952	58,191
Couriers and messengers	<1	18,023	38,196	48,847
Warehousing and storage	<1	1,035	1,269	3,312
Newspaper publishers	<1	30,505	61,539	73,713
Periodical publishers	<1	20,612	34,614	53,309
Book publishers	<1	14,551	53,474	79,269
Directory, mailing list, and other publishers	<1	4,668	15,040	21,999
Greeting card publishing	0	0	0	0
Software publishers	<1	200,115	473,298	560,870
Motion picture and video industries	<1	29,564	47,954	81,502
Sound recording industries	<1	1,976	14,077	19,970
Radio and television broadcasting	<1	156,427	247,586	466,469
Cable and other subscription programming	<1	35,214	247,365	419,053
Wired telecommunications carriers	<1	71,981	152,504	244,992

## Appendix

Wireless telecommunications carriers (except satellite)	<1	18,429	141,898	264,565
Satellite, telecommunications resellers, and all other telecommunications	<1	39,946	47,618	77,413
Data processing, hosting, and related services	<1	155,104	295,132	677,341
News syndicates, libraries, archives and all other information services	<1	26,836	44,397	67,199
Internet publishing and broadcasting and web search portals	<1	174,014	476,719	1,123,199
Nondepository credit intermediation and related activities	<1	159,254	168,588	222,011
Securities and commodity contracts intermediation and brokerage	1	287,551	-99,278	63,545
Monetary authorities and depository credit intermediation	2	331,250	1,205,621	1,484,771
Other financial investment activities	2	381,360	390,552	622,486
Direct life insurance carriers	<1	9,047	27,890	30,289
Insurance carriers, except direct life	<1	32,145	186,951	244,065
Insurance agencies, brokerages, and related activities	<1	48,427	108,142	145,088
Funds, trusts, and other financial vehicles	<1	20,942	86,805	168,582
Other real estate	12	336,613	1,407,085	2,976,092
Tenant-occupied housing	<1	19,172	532,232	559,025
Owner-occupied dwellings	0	0	1,067,921	1,295,358
Automotive equipment rental and leasing	<1	5,174	35,007	41,892
General and consumer goods rental except video tapes and discs	<1	11,964	24,853	32,491
Video tape and disc rental	<1	4,051	6,378	9,550
Commercial and industrial machinery and equipment rental and leasing	<1	14,359	61,399	72,902
Lessors of nonfinancial intangible assets	<1	2,112	35,262	39,613
Legal services	3	837,638	1,108,926	1,309,782
Accounting, tax preparation, bookkeeping, and payroll services	2	376,100	392,469	518,278
Architectural, engineering, and related services	6	780,156	806,319	1,368,417
Specialized design services	<1	44,163	52,055	84,479

## Appendix

Custom computer programming services	<1	64,428	65,128	83,812
Computer systems design services	1	164,252	148,504	181,997
Other computer related services, including facilities management	<1	139,023	166,045	281,766
Management consulting services	25	4,390,721	4,442,734	6,000,431
Environmental and other technical consulting services	<1	144,891	149,132	197,933
Scientific research and development services	67	10,761,385	12,914,313	20,959,890
Advertising, public relations, and related services	2	403,790	448,845	677,250
Photographic services	<1	1,251	1,888	4,457
Veterinary services	<1	12,120	12,457	16,854
Marketing research and all other miscellaneous professional, scientific, and technical services	10	1,529,832	1,832,285	3,437,776
Management of companies and enterprises	4	908,972	1,020,014	1,365,013
Office administrative services	2	196,867	54,321	139,262
Facilities support services	<1	30,862	41,109	90,920
Employment services	11	1,003,195	1,351,024	1,902,248
Business support services	<1	71,658	58,129	86,375
Travel arrangement and reservation services	<1	23,607	36,834	88,575
Investigation and security services	2	121,094	122,741	163,410
Services to buildings	60	2,213,618	3,071,939	6,607,558
Landscape and horticultural services	<1	4,370	5,345	9,736
Other support services	<1	9,305	11,826	22,837
Waste management and remediation services	<1	8,885	12,885	31,145
Elementary and secondary schools	1	104,622	88,554	100,086
Junior colleges, colleges, universities, and professional schools	2	170,130	222,714	277,268
Other educational services	1	126,666	140,012	213,995
Offices of physicians	3	444,084	445,572	573,537
Offices of dentists	<1	46,255	58,986	74,529
Offices of other health practitioners	<1	32,353	55,515	65,918
Outpatient care centers	1	100,581	99,860	150,649
Medical and diagnostic laboratories	<1	14,841	27,928	36,045
Home health care services	2	88,192	88,056	116,945

## Appendix

Other ambulatory health care services	<1	16,186	20,257	27,525
Hospitals	6	657,018	752,663	1,273,995
Nursing and community care facilities	<1	43,801	46,703	70,049
Residential mental retardation, mental health, substance abuse and other facilities	1	67,601	69,564	98,954
Individual and family services	3	206,150	176,743	220,358
Child day care services	1	56,234	83,380	103,349
Community food, housing, and other relief services, including rehabilitation services	2	122,011	112,834	190,989
Performing arts companies	<1	10,668	15,884	25,960
Commercial Sports Except Racing	<1	42,076	16,152	26,794
Racing and Track Operation	<1	2,302	3,052	4,700
Independent artists, writers, and performers	<1	9,657	19,835	25,645
Promoters of performing arts and sports and agents for public figures	<1	35,674	68,563	109,047
Museums, historical sites, zoos, and parks	<1	12,184	13,289	19,585
Amusement parks and arcades	<1	158	139	191
Gambling industries (except casino hotels)	<1	47,266	97,976	127,585
Other amusement and recreation industries	<1	12,763	12,749	16,086
Fitness and recreational sports centers	<1	10,139	11,220	17,010
Bowling centers	<1	1,312	2,579	3,209
Hotels and motels, including casino hotels	<1	30,206	62,856	81,503
Other accommodations	<1	7,691	10,164	12,438
Full-service restaurants	5	279,216	360,743	591,514
Limited-service restaurants	4	181,550	241,291	451,259
All other food and drinking places	3	189,898	269,375	378,884
Automotive repair and maintenance, except car washes	<1	12,732	11,462	19,183
Car washes	<1	5,147	8,133	12,899
Electronic and precision equipment repair and maintenance	<1	18,129	22,399	32,186
Commercial and industrial machinery and equipment repair and maintenance	<1	23,940	21,993	34,339
Personal and household goods repair and maintenance	<1	7,592	12,447	19,364

Appendix

Personal care services	<1	43,003	2,201	7,009
Death care services	<1	2,835	632	1,245
Dry-cleaning and laundry services	<1	6,360	861	2,067
Other personal services	<1	39,087	44,281	60,272
Religious organizations	4	506,224	41,719	316,953
Grantmaking, giving, and social advocacy organizations	1	166,470	260,925	380,810
Business and professional associations	<1	96,075	112,719	161,931
Labor and civic organizations	1	132,221	206,023	298,198
Private households	<1	24,567	24,567	24,656
Postal service	<1	66,664	66,793	67,248
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	36,919	54,835	92,022
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	2	295,786	170,027	203,964
Local government electric utilities	0	0	0	0
Other local government enterprises	0	0	0	0
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	102	20,659,820	24,715,103	34,042,886

## West Virginia

## NASA

Table 772: Detailed NASA Impacts by Types of Impact, West Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	633	49,456,853	73,554,463	140,872,877
Oilseed farming	<1	-2,648	7,686	10,544
Grain farming	<1	-2,521	532	29,258
Vegetable and melon farming	<1	-592	3,748	10,099
Fruit farming	<1	-1,323	7,294	15,461
Tree nut farming	<1	-15	64	147
Greenhouse, nursery, and floriculture production	<1	248	3,245	7,688
Tobacco farming	<1	0	7	18
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	-125	7,990	26,042
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	-5,487	18,309	48,323
Dairy cattle and milk production	<1	-104	360	2,273
Poultry and egg production	<1	138	11,947	119,842
Animal production, except cattle and poultry and eggs	2	-11,438	64,605	73,832
Forestry, forest products, and timber tract production	<1	1,052	1,235	1,655
Commercial logging	<1	5,504	5,677	9,103
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	26	529	1,048
Support activities for agriculture and forestry	<1	25,564	23,247	26,979
Oil and gas extraction	<1	23,000	293,366	455,710
Coal mining	<1	34,333	147,924	187,745
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	946	2,987	5,210
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3,005	17,066	25,226
Sand and gravel mining	<1	2,917	6,836	10,064

## Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	86	169	299
Phosphate rock mining	<1	34	92	161
Other chemical and fertilizer mineral mining	<1	6	12	21
Other nonmetallic minerals	<1	275	700	1,268
Drilling oil and gas wells	<1	10	50	82
Support activities for oil and gas operations	<1	493	1,634	2,685
Metal mining services	<1	408	5,564	9,956
Other nonmetallic minerals services	<1	251	1,369	3,327
Electric power generation - Hydroelectric	<1	2,135	4,520	8,700
Electric power generation - Fossil fuel	<1	57,165	196,432	541,673
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	296	642	1,439
Electric power generation - Wind	<1	287	2,356	5,480
Electric power generation - Geothermal	<1	509	1,060	2,072
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	1,230	-458	399
Electric power transmission and distribution	<1	89,275	288,930	810,200
Natural gas distribution	<1	53,110	175,613	445,004
Water, sewage and other systems	<1	19,422	37,620	68,904
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0



## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	80,736	124,763	332,473
Maintenance and repair construction of residential structures	<1	43,498	65,253	166,185
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	33	51	135
Dog and cat food manufacturing	<1	7	12	132
Other animal food manufacturing	<1	250	545	4,643
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	42	49	453
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	29	34	344
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	56	64	390
Canned fruits and vegetables manufacturing	<1	108	149	1,387
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,524	1,838	18,159
Creamery butter manufacturing	<1	726	1,389	17,891
Ice cream and frozen dessert manufacturing	<1	441	510	3,423

## Appendix

Frozen cakes and other pastries manufacturing	<1	982	1,512	3,019
Poultry processing	<1	14,237	15,847	91,311
Animal, except poultry, slaughtering	<1	471	557	8,951
Meat processed from carcasses	<1	1,105	1,090	15,095
Rendering and meat byproduct processing	<1	255	232	1,607
Seafood product preparation and packaging	<1	4	4	52
Bread and bakery product, except frozen, manufacturing	<1	4,722	6,170	18,434
Cookie and cracker manufacturing	<1	74	86	368
Dry pasta, mixes, and dough manufacturing	<1	221	328	1,813
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	429	603	3,850
Other snack food manufacturing	<1	474	736	5,147
Coffee and tea manufacturing	<1	29	37	425
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	51	69	659
Spice and extract manufacturing	<1	35	44	369
All other food manufacturing	<1	6	7	57
Bottled and canned soft drinks & water	<1	1,030	1,313	13,189
Manufactured ice	<1	313	169	1,149
Breweries	<1	569	737	4,709
Wineries	<1	184	221	1,761
Distilleries	<1	170	284	1,568
Tobacco product manufacturing	<1	5,809	46,728	176,360
Fiber, yarn, and thread mills	<1	131	136	918
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	155	135	899
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	16	16	83
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	287	311	4,899
Curtain and linen mills	<1	7	7	43
Textile bag and canvas mills	<1	44	42	257
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	91	90	521
Hosiery and sock mills	<1	6	12	29
Other apparel knitting mills	<1	8	15	39
Cut and sew apparel contractors	<1	57	62	157
Men's and boys' cut and sew apparel manufacturing	<1	32	33	130
Women's and girls' cut and sew apparel manufacturing	<1	36	29	260
Other cut and sew apparel manufacturing	<1	18	20	91
Apparel accessories and other apparel manufacturing	<1	8	16	48
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	4	5	111
Other leather and allied product manufacturing	0	0	0	0
Sawmills	<1	5,303	11,703	51,139
Wood preservation	<1	468	1,817	6,447
Veneer and plywood manufacturing	<1	1,179	2,272	7,051
Engineered wood member and truss manufacturing	<1	1,215	2,488	6,510
Reconstituted wood product manufacturing	<1	1,223	5,213	16,008
Wood windows and door manufacturing	<1	3,629	5,700	16,267
Cut stock, resawing lumber, and planing	<1	538	1,359	4,048
Other millwork, including flooring	<1	4,304	8,540	25,474
Wood container and pallet manufacturing	<1	1,059	1,709	5,415
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	328	717	2,526
All other miscellaneous wood product manufacturing	<1	1,713	2,821	10,108
Pulp mills	<1	53	78	331
Paper mills	<1	479	1,020	3,736
Paperboard mills	<1	617	1,244	5,326
Paperboard container manufacturing	<1	1,286	1,916	8,554
Paper bag and coated and treated paper manufacturing	<1	283	435	1,579
Stationery product manufacturing	<1	67	84	342

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	24,792	35,033	87,063
Support activities for printing	<1	254	360	602
Petroleum refineries	<1	5,962	37,997	321,661
Asphalt paving mixture and block manufacturing	<1	707	942	5,577
Asphalt shingle and coating materials manufacturing	<1	250	696	2,544
Petroleum lubricating oil and grease manufacturing	<1	914	1,896	6,273
All other petroleum and coal products manufacturing	<1	3,175	7,652	24,770
Petrochemical manufacturing	<1	1,150	13,560	54,122
Industrial gas manufacturing	<1	2,608	7,377	19,476
Synthetic dye and pigment manufacturing	<1	187	358	1,011
Other basic inorganic chemical manufacturing	<1	3,091	6,628	18,247
Other basic organic chemical manufacturing	<1	6,056	14,416	86,816
Plastics material and resin manufacturing	<1	12,663	22,488	130,247
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	864	3,028	17,860
Medicinal and botanical manufacturing	<1	385	592	1,624
Pharmaceutical preparation manufacturing	<1	6,448	16,370	40,193
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	869	2,408	5,377
Paint and coating manufacturing	<1	789	1,571	7,285
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	10,580	27,192	90,086
Polish and other sanitation good manufacturing	<1	286	456	1,370

Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	14	43	203
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	435	762	2,538
Photographic film and chemical manufacturing	<1	1,948	4,039	15,866
Other miscellaneous chemical product manufacturing	<1	641	998	3,697
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	691	1,217	4,841
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	179	592	2,500
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	48	89	323
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	1,009	1,896	6,150
Plastics bottle manufacturing	<1	340	573	2,410
Other plastics product manufacturing	<1	9,251	14,926	51,450
Tire manufacturing	<1	145	198	1,424
Rubber and plastics hoses and belting manufacturing	<1	162	280	915
Other rubber product manufacturing	<1	1,205	1,601	5,366
Pottery, ceramics, and plumbing fixture manufacturing	<1	732	1,270	3,028
Brick, tile, and other structural clay product manufacturing	<1	315	596	1,493
Flat glass manufacturing	<1	337	749	1,525
Other pressed and blown glass and glassware manufacturing	<1	748	1,389	4,665
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	208	419	766
Cement manufacturing	<1	493	1,301	2,912
Ready-mix concrete manufacturing	<1	6,717	12,214	43,058
Concrete block and brick manufacturing	<1	962	1,917	5,100
Concrete pipe manufacturing	<1	440	814	1,761

## Appendix

Other concrete product manufacturing	<1	2,196	3,577	9,854
Lime manufacturing	<1	158	393	948
Gypsum product manufacturing	<1	232	779	1,764
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	803	1,115	3,006
Ground or treated mineral and earth manufacturing	<1	162	435	1,016
Mineral wool manufacturing	<1	1,277	4,019	9,326
Miscellaneous nonmetallic mineral products manufacturing	<1	63	171	528
Iron and steel mills and ferroalloy manufacturing	<1	4,813	9,380	69,041
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	31	50	569
Aluminum sheet, plate, and foil manufacturing	<1	956	1,612	8,436
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	117	190	1,761
Nonferrous metal, except copper and aluminum, shaping	<1	694	786	2,854
Secondary processing of other nonferrous metals	<1	87	144	740
Ferrous metal foundries	<1	111	150	374
Nonferrous metal foundries	<1	108	128	312
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	132	178	601
Iron and steel forging	<1	92	130	493
Nonferrous forging	<1	100	132	479
Cutlery, utensil, pot, and pan manufacturing	<1	68	160	565
Handtool manufacturing	<1	41	70	220
Prefabricated metal buildings and components manufacturing	<1	330	518	1,792

## Appendix

Fabricated structural metal manufacturing	<1	1,301	2,056	8,366
Plate work manufacturing	<1	174	201	637
Metal window and door manufacturing	<1	144	208	577
Sheet metal work manufacturing	<1	511	725	2,241
Ornamental and architectural metal work manufacturing	<1	51	65	418
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	6	8	35
Metal cans manufacturing	<1	386	778	4,792
Metal barrels, drums and pails manufacturing	<1	25	34	163
Hardware manufacturing	<1	129	200	735
Spring and wire product manufacturing	<1	109	149	532
Machine shops	<1	4,436	5,370	12,167
Turned product and screw, nut, and bolt manufacturing	<1	310	410	1,248
Metal heat treating	<1	38	52	137
Metal coating and nonprecious engraving	<1	891	1,667	3,720
Electroplating, anodizing, and coloring metal	<1	194	214	506
Valve and fittings, other than plumbing, manufacturing	<1	1	2	9
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	243	588	1,330
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	110	251	865
Fabricated pipe and pipe fitting manufacturing	<1	166	215	627
Other fabricated metal manufacturing	<1	86	117	269
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	71	97	520
Mining machinery and equipment manufacturing	<1	346	355	1,382

## Appendix

Oil and gas field machinery and equipment manufacturing	<1	221	234	834
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	7
Printing machinery and equipment manufacturing	<1	1	1	4
All other industrial machinery manufacturing	<1	12	12	32
Optical instrument and lens manufacturing	<1	11	12	50
Photographic and photocopying equipment manufacturing	<1	2	2	9
Other commercial service industry machinery manufacturing	<1	16	17	101
Air purification and ventilation equipment manufacturing	<1	<1	<1	3
Heating equipment (except warm air furnaces) manufacturing	<1	9	10	50
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	30	33	183
Industrial mold manufacturing	<1	3	3	7
Special tool, die, jig, and fixture manufacturing	<1	6	6	14
Cutting tool and machine tool accessory manufacturing	<1	8	8	24
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	<1	10	11	26
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	33	34	85
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	9	10	57
Air and gas compressor manufacturing	<1	7	8	32
Elevator and moving stairway manufacturing	0	0	0	0



## Appendix

Conveyor and conveying equipment manufacturing	<1	46	47	145
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	2	2	10
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	2	1	6
Fluid power cylinder and actuator manufacturing	<1	44	47	181
Fluid power pump and motor manufacturing	<1	15	17	88
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	5	5	20
Electronic computer manufacturing	<1	8	6	32
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	4	3	18
Audio and video equipment manufacturing	<1	<1	<1	9
Printed circuit assembly (electronic assembly) manufacturing	<1	11	9	112
Bare printed circuit board manufacturing	<1	26	24	119
Semiconductor and related device manufacturing	<1	13	8	94
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	6	5	34
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	5	5	27

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	431	373	1,313
Industrial process variable instruments manufacturing	<1	98	75	406
Totalizing fluid meter and counting device manufacturing	<1	4	2	19
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	3
Irradiation apparatus manufacturing	<1	0	0	1
Watch, clock, and other measuring and controlling device manufacturing	<1	1	<1	6
Blank magnetic and optical recording media manufacturing	<1	44	-11	574
Software and other prerecorded and record reproducing	<1	6	5	24
Electric lamp bulb and part manufacturing	<1	8	9	24
Lighting fixture manufacturing	<1	9	9	29
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	2	2	5
Motor and generator manufacturing	<1	100	109	547
Switchgear and switchboard apparatus manufacturing	<1	33	35	170
Relay and industrial control manufacturing	<1	18	19	67
Storage battery manufacturing	<1	76	81	265
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	15	15	79
Wiring device manufacturing	<1	35	37	118
Carbon and graphite product manufacturing	<1	236	252	1,085
All other miscellaneous electrical equipment and component manufacturing	<1	12	13	41
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	5	23	79
Motor vehicle body manufacturing	<1	12	24	73
Truck trailer manufacturing	<1	2	5	16
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,341	15,098	44,573
Motor vehicle electrical and electronic equipment manufacturing	<1	15,131	29,581	87,270
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	3,691	6,740	17,777
Other motor vehicle parts manufacturing	<1	2,946	6,711	28,381
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,065	7,887	18,845
Aircraft manufacturing	<1	16	20	65
Aircraft engine and engine parts manufacturing	<1	71	121	375
Other aircraft parts and auxiliary equipment manufacturing	<1	47	57	136
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	29	35	78
Railroad rolling stock manufacturing	<1	18	18	103
Ship building and repairing	0	0	0	0
Boat building	<1	411	517	2,159
Motorcycle, bicycle, and parts manufacturing	<1	38	67	271

Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	141	211	1,401
Wood kitchen cabinet and countertop manufacturing	<1	2,880	3,119	8,541
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	123	130	443
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	58	60	219
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	41	-60	34
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	12	14	77
Mattress manufacturing	<1	3	4	40
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	140	222	411
Surgical appliance and supplies manufacturing	<1	1,336	2,701	6,808
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	16	32	53
Dental laboratories	<1	88	101	217
Jewelry and silverware manufacturing	<1	214	417	1,438
Sporting and athletic goods manufacturing	<1	14	22	98
Doll, toy, and game manufacturing	<1	11	21	205
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	1,149	1,101	3,703
Gasket, packing, and sealing device manufacturing	<1	29	33	95
Musical instrument manufacturing	<1	<1	<1	10
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

## Appendix

Broom, brush, and mop manufacturing	<1	86	129	672
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	59	86	308
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	19,931	43,877	112,201
Wholesale - Professional and commercial equipment and supplies	<1	73,688	113,378	226,581
Wholesale - Household appliances and electrical and electronic goods	<1	23,707	57,028	142,466
Wholesale - Machinery, equipment, and supplies	<1	54,362	100,170	202,789
Wholesale - Other durable goods merchant wholesalers	<1	55,147	100,824	245,928
Wholesale - Drugs and druggists'sundries	<1	64,989	158,564	357,464
Wholesale - Grocery and related product wholesalers	<1	66,137	99,134	217,646
Wholesale - Petroleum and petroleum products	<1	21,077	218,982	287,063
Wholesale - Other nondurable goods merchant wholesalers	1	74,310	160,099	356,889
Wholesale - Wholesale electronic markets and agents and brokers	<1	82,259	93,663	114,820
Retail - Motor vehicle and parts dealers	2	126,034	192,659	281,882
Retail - Furniture and home furnishings stores	<1	54,878	73,356	121,932
Retail - Electronics and appliance stores	<1	51,830	47,105	84,226
Retail - Building material and garden equipment and supplies stores	2	71,431	142,626	207,448
Retail - Food and beverage stores	5	160,479	239,737	411,601
Retail - Health and personal care stores	3	129,566	169,035	258,196
Retail - Gasoline stores	2	67,627	160,085	313,869
Retail - Clothing and clothing accessories stores	2	46,634	92,479	218,779
Retail - Sporting goods, hobby, musical instrument and book stores	2	45,554	65,615	120,668
Retail - General merchandise stores	5	186,009	314,536	528,790
Retail - Miscellaneous store retailers	5	96,791	108,789	213,555
Retail - Nonstore retailers	5	93,548	556,479	983,083
Air transportation	<1	7,200	17,501	43,405

## Appendix

Rail transportation	<1	20,115	79,075	123,996
Water transportation	<1	15,269	23,336	103,023
Truck transportation	3	191,365	277,695	600,083
Transit and ground passenger transportation	1	18,081	19,576	36,268
Pipeline transportation	<1	35,409	74,203	145,416
Scenic and sightseeing transportation and support activities for transportation	2	238,505	213,308	312,764
Couriers and messengers	3	86,266	167,599	207,330
Warehousing and storage	2	80,923	85,697	166,197
Newspaper publishers	<1	28,305	37,447	71,505
Periodical publishers	<1	4,590	5,410	11,594
Book publishers	<1	3,844	7,067	25,813
Directory, mailing list, and other publishers	<1	62,339	105,390	247,549
Greeting card publishing	0	0	0	0
Software publishers	<1	62,917	92,485	151,730
Motion picture and video industries	<1	10,538	15,755	68,180
Sound recording industries	<1	670	4,433	14,755
Radio and television broadcasting	<1	149,951	186,438	559,226
Cable and other subscription programming	<1	9,970	36,005	114,416
Wired telecommunications carriers	<1	101,405	195,083	397,930
Wireless telecommunications carriers (except satellite)	<1	12,715	86,656	312,995
Satellite, telecommunications resellers, and all other telecommunications	<1	17,643	20,062	54,964
Data processing, hosting, and related services	1	105,804	197,230	689,971
News syndicates, libraries, archives and all other information services	<1	6,128	8,247	28,646
Internet publishing and broadcasting and web search portals	<1	14,617	31,991	310,160
Nondepository credit intermediation and related activities	<1	61,269	67,667	116,392
Securities and commodity contracts intermediation and brokerage	2	106,002	88,565	202,921
Monetary authorities and depository credit intermediation	6	483,365	1,239,844	2,357,067

## Appendix

Other financial investment activities	1	49,373	62,826	180,878
Direct life insurance carriers	<1	15,549	38,322	56,266
Insurance carriers, except direct life	2	146,495	600,032	1,263,578
Insurance agencies, brokerages, and related activities	3	177,141	315,043	833,686
Funds, trusts, and other financial vehicles	<1	44,997	60,034	226,374
Other real estate	23	749,440	2,407,647	5,305,412
Tenant-occupied housing	2	54,395	462,280	504,202
Owner-occupied dwellings	0	0	3,078,448	3,715,177
Automotive equipment rental and leasing	<1	26,130	90,316	118,827
General and consumer goods rental except video tapes and discs	<1	35,631	61,572	93,917
Video tape and disc rental	<1	9,743	16,552	28,310
Commercial and industrial machinery and equipment rental and leasing	<1	31,628	94,220	121,576
Lessors of nonfinancial intangible assets	<1	2,015	49,129	53,667
Legal services	10	783,731	1,444,436	2,087,324
Accounting, tax preparation, bookkeeping, and payroll services	3	218,235	233,724	447,324
Architectural, engineering, and related services	4	293,276	303,006	589,659
Specialized design services	<1	5,545	6,997	17,132
Custom computer programming services	<1	56,135	55,582	82,754
Computer systems design services	1	125,564	103,957	143,706
Other computer related services, including facilities management	<1	29,741	36,425	75,425
Management consulting services	40	3,082,614	3,150,203	5,666,326
Environmental and other technical consulting services	2	138,809	144,690	242,139
Scientific research and development services	201	16,173,286	22,820,160	47,304,488
Advertising, public relations, and related services	2	97,111	117,779	362,299
Photographic services	<1	5,438	9,537	31,722
Veterinary services	<1	26,112	27,244	44,838
Marketing research and all other miscellaneous professional, scientific, and technical services	3	229,001	263,355	710,034
Management of companies and enterprises	10	1,039,367	1,139,494	2,079,097

## Appendix

Office administrative services	5	341,800	97,768	330,257
Facilities support services	<1	19,742	26,527	64,566
Employment services	20	1,183,974	1,613,674	2,583,206
Business support services	4	170,715	146,186	291,110
Travel arrangement and reservation services	<1	21,959	34,904	139,356
Investigation and security services	2	79,376	81,750	123,569
Services to buildings	3	94,985	134,672	296,440
Landscape and horticultural services	2	93,611	115,547	221,291
Other support services	<1	38,179	50,183	121,727
Waste management and remediation services	1	76,868	115,686	265,553
Elementary and secondary schools	1	38,491	32,319	43,002
Junior colleges, colleges, universities, and professional schools	2	50,186	66,092	103,119
Other educational services	1	38,799	45,601	96,250
Offices of physicians	8	940,056	946,698	1,353,796
Offices of dentists	2	131,256	154,419	216,838
Offices of other health practitioners	3	157,925	231,149	300,162
Outpatient care centers	3	197,652	195,030	332,176
Medical and diagnostic laboratories	<1	41,105	63,929	90,755
Home health care services	4	204,842	203,831	263,981
Other ambulatory health care services	<1	56,489	65,695	105,214
Hospitals	22	1,955,563	2,196,311	4,276,952
Nursing and community care facilities	4	197,738	215,265	343,241
Residential mental retardation, mental health, substance abuse and other facilities	2	104,421	107,185	162,162
Individual and family services	11	329,631	293,437	428,738
Child day care services	3	78,318	125,371	169,143
Community food, housing, and other relief services, including rehabilitation services	2	63,309	60,258	147,532
Performing arts companies	<1	16,421	31,616	76,059
Commercial Sports Except Racing	<1	21,658	24,320	49,344
Racing and Track Operation	<1	2,098	3,712	7,431
Independent artists, writers, and performers	<1	5,629	18,088	34,512



## Appendix

Promoters of performing arts and sports and agents for public figures	<1	14,953	41,673	122,536
Museums, historical sites, zoos, and parks	<1	4,507	6,319	12,646
Amusement parks and arcades	<1	1,070	1,578	2,266
Gambling industries (except casino hotels)	1	31,282	75,120	124,634
Other amusement and recreation industries	1	32,371	21,815	39,352
Fitness and recreational sports centers	<1	13,500	16,564	29,757
Bowling centers	<1	3,765	5,484	9,747
Hotels and motels, including casino hotels	<1	11,338	24,497	37,792
Other accommodations	<1	2,222	2,945	4,005
Full-service restaurants	13	339,853	500,038	1,067,925
Limited-service restaurants	11	261,723	407,783	1,021,792
All other food and drinking places	7	215,657	337,544	549,760
Automotive repair and maintenance, except car washes	3	195,148	243,458	353,109
Car washes	2	96,581	149,094	222,860
Electronic and precision equipment repair and maintenance	<1	42,730	54,120	96,134
Commercial and industrial machinery and equipment repair and maintenance	2	129,687	113,313	192,166
Personal and household goods repair and maintenance	<1	18,977	37,283	55,362
Personal care services	2	63,263	43,273	53,685
Death care services	<1	31,568	24,005	33,792
Dry-cleaning and laundry services	1	36,699	25,915	33,470
Other personal services	1	39,404	50,879	73,237
Religious organizations	5	307,419	163,191	473,670
Grantmaking, giving, and social advocacy organizations	2	71,675	225,536	359,917
Business and professional associations	<1	34,699	57,529	99,072
Labor and civic organizations	2	43,755	132,291	252,335
Private households	1	21,955	21,955	21,955
Postal service	2	133,754	134,226	134,281
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	3,286	3,914	8,578
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	59,261	125,667	201,913
Local government passenger transit	2	115,562	79,123	149,062
Local government electric utilities	0	0	0	0
Other local government enterprises	2	121,005	381,280	858,839
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	66	12,306,685	16,638,754	29,756,324

## Moon to Mars Campaign

**Table 773: Detailed M2M Campaign Impacts by Types of Impact, West Virginia**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>30</i>	<i>2,195,274</i>	<i>3,413,335</i>	<i>6,589,291</i>
Oilseed farming	<1	-157	535	770
Grain farming	<1	-115	34	1,368
Vegetable and melon farming	<1	-24	159	413
Fruit farming	<1	-57	320	667
Tree nut farming	<1	-1	3	7
Greenhouse, nursery, and floriculture production	<1	10	135	311
Tobacco farming	<1	0	<1	1

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	-5	310	986
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-223	860	2,141
Dairy cattle and milk production	<1	-5	18	102
Poultry and egg production	<1	5	490	4,632
Animal production, except cattle and poultry and eggs	<1	-484	3,213	3,537
Forestry, forest products, and timber tract production	<1	67	79	104
Commercial logging	<1	246	266	410
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	2	22	43
Support activities for agriculture and forestry	<1	1,228	1,134	1,317
Oil and gas extraction	<1	695	10,885	17,704
Coal mining	<1	1,001	4,507	5,712
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	44	146	249
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	136	760	1,123
Sand and gravel mining	<1	167	393	563
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	4	8	14
Phosphate rock mining	<1	2	5	8
Other chemical and fertilizer mineral mining	<1	<1	<1	1
Other nonmetallic minerals	<1	16	41	75
Drilling oil and gas wells	<1	<1	2	4
Support activities for oil and gas operations	<1	16	54	90
Metal mining services	<1	16	245	441
Other nonmetallic minerals services	<1	10	69	164
Electric power generation - Hydroelectric	<1	117	244	464

## Appendix

Electric power generation - Fossil fuel	<1	3,230	10,166	28,097
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	15	33	74
Electric power generation - Wind	<1	11	93	216
Electric power generation - Geothermal	<1	34	69	137
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	69	-17	18
Electric power transmission and distribution	<1	4,238	13,164	36,857
Natural gas distribution	<1	2,560	8,353	20,877
Water, sewage and other systems	<1	859	1,631	2,947
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	3,888	6,152	15,999
Maintenance and repair construction of residential structures	<1	1,850	2,836	7,105
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	6
Dog and cat food manufacturing	<1	<1	<1	5
Other animal food manufacturing	<1	11	25	213
Flour milling	0	0	0	0

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2	2	18
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	1	2	15
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	2	3	16
Canned fruits and vegetables manufacturing	<1	5	7	66
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	68	85	826
Creamery butter manufacturing	<1	32	61	780
Ice cream and frozen dessert manufacturing	<1	19	23	148
Frozen cakes and other pastries manufacturing	<1	41	64	127
Poultry processing	<1	532	606	3,477
Animal, except poultry, slaughtering	<1	17	20	328
Meat processed from carcasses	<1	49	49	677
Rendering and meat byproduct processing	<1	11	10	72
Seafood product preparation and packaging	<1	<1	<1	2
Bread and bakery product, except frozen, manufacturing	<1	197	260	775
Cookie and cracker manufacturing	<1	4	4	18
Dry pasta, mixes, and dough manufacturing	<1	9	13	75
Tortilla manufacturing	0	0	0	0

## Appendix

Roasted nuts and peanut butter manufacturing	<1	19	28	172
Other snack food manufacturing	<1	20	31	216
Coffee and tea manufacturing	<1	1	2	17
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2	3	29
Spice and extract manufacturing	<1	2	2	20
All other food manufacturing	<1	<1	<1	2
Bottled and canned soft drinks & water	<1	41	53	531
Manufactured ice	<1	13	7	48
Breweries	<1	22	30	192
Wineries	<1	9	12	91
Distilleries	<1	7	13	67
Tobacco product manufacturing	<1	260	2,502	8,751
Fiber, yarn, and thread mills	<1	5	6	36
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	11	8	58
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	5
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	11	12	180
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	2	2	12
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	4	4	23
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	4	4	10
Men's and boys' cut and sew apparel manufacturing	<1	2	2	6
Women's and girls' cut and sew apparel manufacturing	<1	2	1	12
Other cut and sew apparel manufacturing	<1	<1	1	4
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	<1	<1	5
Other leather and allied product manufacturing	0	0	0	0

## Appendix

Sawmills	<1	230	501	2,192
Wood preservation	<1	19	72	271
Veneer and plywood manufacturing	<1	48	90	286
Engineered wood member and truss manufacturing	<1	63	127	333
Reconstituted wood product manufacturing	<1	52	216	667
Wood windows and door manufacturing	<1	167	259	737
Cut stock, resawing lumber, and planing	<1	23	56	171
Other millwork, including flooring	<1	214	415	1,237
Wood container and pallet manufacturing	<1	47	75	238
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	13	28	96
All other miscellaneous wood product manufacturing	<1	90	141	492
Pulp mills	<1	2	3	12
Paper mills	<1	18	35	140
Paperboard mills	<1	24	46	207
Paperboard container manufacturing	<1	56	85	391
Paper bag and coated and treated paper manufacturing	<1	14	21	78
Stationery product manufacturing	<1	4	5	18
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	1,349	1,949	4,714
Support activities for printing	<1	16	23	37
Petroleum refineries	<1	261	1,788	14,226
Asphalt paving mixture and block manufacturing	<1	31	43	246
Asphalt shingle and coating materials manufacturing	<1	12	38	127
Petroleum lubricating oil and grease manufacturing	<1	48	103	328
All other petroleum and coal products manufacturing	<1	115	281	870
Petrochemical manufacturing	<1	48	621	2,266
Industrial gas manufacturing	<1	119	359	902

## Appendix

Synthetic dye and pigment manufacturing	<1	12	22	64
Other basic inorganic chemical manufacturing	<1	158	362	949
Other basic organic chemical manufacturing	<1	297	735	4,332
Plastics material and resin manufacturing	<1	608	1,133	6,362
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	37	136	796
Medicinal and botanical manufacturing	<1	21	34	87
Pharmaceutical preparation manufacturing	<1	302	789	1,898
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	67	178	380
Paint and coating manufacturing	<1	36	76	346
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	547	1,494	4,438
Polish and other sanitation good manufacturing	<1	15	25	73
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	2	10
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	19	34	109
Photographic film and chemical manufacturing	<1	102	226	807
Other miscellaneous chemical product manufacturing	<1	30	49	178
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	36	63	249
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	10	34	140



## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2	4	15
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	48	93	295
Plastics bottle manufacturing	<1	18	31	130
Other plastics product manufacturing	<1	455	752	2,522
Tire manufacturing	<1	6	9	59
Rubber and plastics hoses and belting manufacturing	<1	6	11	37
Other rubber product manufacturing	<1	69	92	319
Pottery, ceramics, and plumbing fixture manufacturing	<1	38	66	154
Brick, tile, and other structural clay product manufacturing	<1	15	27	68
Flat glass manufacturing	<1	18	40	81
Other pressed and blown glass and glassware manufacturing	<1	44	82	269
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	10	20	37
Cement manufacturing	<1	28	72	165
Ready-mix concrete manufacturing	<1	351	619	2,209
Concrete block and brick manufacturing	<1	52	100	273
Concrete pipe manufacturing	<1	20	36	80
Other concrete product manufacturing	<1	102	161	456
Lime manufacturing	<1	6	15	38
Gypsum product manufacturing	<1	12	40	93
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	34	47	128
Ground or treated mineral and earth manufacturing	<1	7	17	41
Mineral wool manufacturing	<1	75	220	512
Miscellaneous nonmetallic mineral products manufacturing	<1	4	10	32
Iron and steel mills and ferroalloy manufacturing	<1	217	439	3,163
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0

## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	2	2	29
Aluminum sheet, plate, and foil manufacturing	<1	42	73	378
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	6	11	94
Nonferrous metal, except copper and aluminum, shaping	<1	34	39	141
Secondary processing of other nonferrous metals	<1	5	7	37
Ferrous metal foundries	<1	6	8	20
Nonferrous metal foundries	<1	6	6	16
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	8	10	34
Iron and steel forging	<1	4	6	23
Nonferrous forging	<1	5	6	21
Cutlery, utensil, pot, and pan manufacturing	<1	3	7	26
Handtool manufacturing	<1	2	4	12
Prefabricated metal buildings and components manufacturing	<1	21	32	113
Fabricated structural metal manufacturing	<1	70	111	451
Plate work manufacturing	<1	8	10	30
Metal window and door manufacturing	<1	10	14	40
Sheet metal work manufacturing	<1	28	39	121
Ornamental and architectural metal work manufacturing	<1	3	4	23
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	3
Metal cans manufacturing	<1	16	31	190
Metal barrels, drums and pails manufacturing	<1	1	2	7
Hardware manufacturing	<1	6	9	35
Spring and wire product manufacturing	<1	5	7	26

## Appendix

Machine shops	<1	227	274	618
Turned product and screw, nut, and bolt manufacturing	<1	15	20	61
Metal heat treating	<1	2	3	8
Metal coating and nonprecious engraving	<1	39	72	161
Electroplating, anodizing, and coloring metal	<1	10	11	27
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	11	28	61
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	4	10	35
Fabricated pipe and pipe fitting manufacturing	<1	8	10	31
Other fabricated metal manufacturing	<1	5	6	15
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	4	5	26
Mining machinery and equipment manufacturing	<1	15	16	59
Oil and gas field machinery and equipment manufacturing	<1	8	9	32
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	0	0	<1
Printing machinery and equipment manufacturing	<1	0	0	<1
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	1	1	7

## Appendix

Air purification and ventilation equipment manufacturing	<1	0	0	<1
Heating equipment (except warm air furnaces) manufacturing	<1	<1	<1	3
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1	2	9
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	<1
Cutting tool and machine tool accessory manufacturing	<1	<1	<1	1
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	1
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	2	4
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	4
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	2	2	7
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	0	0	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	2	2	10
Fluid power pump and motor manufacturing	<1	<1	<1	4

## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	1
Electronic computer manufacturing	<1	<1	<1	2
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	1
Audio and video equipment manufacturing	<1	0	0	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	6
Bare printed circuit board manufacturing	<1	1	1	6
Semiconductor and related device manufacturing	<1	<1	<1	4
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	<1	1
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	2
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	32	28	99
Industrial process variable instruments manufacturing	<1	5	4	19
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	0	0	<1
Irradiation apparatus manufacturing	0	0	0	0

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	<1	4	-1	43
Software and other prerecorded and record reproducing	<1	<1	<1	2
Electric lamp bulb and part manufacturing	<1	<1	<1	1
Lighting fixture manufacturing	<1	<1	<1	2
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	0	0	<1
Motor and generator manufacturing	<1	5	6	28
Switchgear and switchboard apparatus manufacturing	<1	2	3	11
Relay and industrial control manufacturing	<1	<1	<1	3
Storage battery manufacturing	<1	4	4	14
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	<1	<1	4
Wiring device manufacturing	<1	1	2	5
Carbon and graphite product manufacturing	<1	11	12	51
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	3
Motor vehicle body manufacturing	<1	<1	<1	3
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	225	638	1,880
Motor vehicle electrical and electronic equipment manufacturing	<1	643	1,273	3,604
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	152	284	734
Other motor vehicle parts manufacturing	<1	128	288	1,221
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	127	332	794
Aircraft manufacturing	<1	<1	<1	3
Aircraft engine and engine parts manufacturing	<1	4	7	21
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	6
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1	2	4
Railroad rolling stock manufacturing	<1	1	1	7
Ship building and repairing	0	0	0	0
Boat building	<1	15	19	79
Motorcycle, bicycle, and parts manufacturing	<1	1	2	9
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	5	7	46
Wood kitchen cabinet and countertop manufacturing	<1	140	147	403
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	6	6	19
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	5	5	16
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	<1	2	-4	2
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	4
Mattress manufacturing	<1	<1	<1	2
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	6	10	18
Surgical appliance and supplies manufacturing	<1	62	124	311
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	1	2
Dental laboratories	<1	4	4	9
Jewelry and silverware manufacturing	<1	9	17	60
Sporting and athletic goods manufacturing	<1	<1	<1	4
Doll, toy, and game manufacturing	<1	<1	<1	9
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	57	55	182
Gasket, packing, and sealing device manufacturing	<1	1	1	4
Musical instrument manufacturing	<1	<1	<1	<1
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	6	9	45
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	3	4	13
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	927	2,066	5,296
Wholesale - Professional and commercial equipment and supplies	<1	3,492	5,405	10,764
Wholesale - Household appliances and electrical and electronic goods	<1	1,115	2,699	6,750
Wholesale - Machinery, equipment, and supplies	<1	2,700	4,994	10,102
Wholesale - Other durable goods merchant wholesalers	<1	2,562	4,710	11,494



Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	2,887	7,081	15,766
Wholesale - Grocery and related product wholesalers	<1	2,795	4,196	9,221
Wholesale - Petroleum and petroleum products	<1	866	10,129	13,031
Wholesale - Other nondurable goods merchant wholesalers	<1	3,361	7,505	16,450
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,744	4,253	5,201
Retail - Motor vehicle and parts dealers	<1	5,347	8,174	11,924
Retail - Furniture and home furnishings stores	<1	2,316	3,104	5,151
Retail - Electronics and appliance stores	<1	2,214	2,014	3,553
Retail - Building material and garden equipment and supplies stores	<1	3,109	6,197	8,984
Retail - Food and beverage stores	<1	6,999	10,457	17,943
Retail - Health and personal care stores	<1	5,496	7,184	10,919
Retail - Gasoline stores	<1	2,876	6,732	13,047
Retail - Clothing and clothing accessories stores	<1	2,009	3,957	9,283
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,925	2,774	5,082
Retail - General merchandise stores	<1	7,762	13,150	22,015
Retail - Miscellaneous store retailers	<1	4,035	4,555	8,897
Retail - Nonstore retailers	<1	3,904	23,776	42,085
Air transportation	<1	331	801	1,976
Rail transportation	<1	971	3,437	5,691
Water transportation	<1	887	1,390	5,783
Truck transportation	<1	8,760	12,684	27,326
Transit and ground passenger transportation	<1	945	1,020	1,824
Pipeline transportation	<1	1,227	2,737	5,544
Scenic and sightseeing transportation and support activities for transportation	<1	14,030	12,412	18,177
Couriers and messengers	<1	4,401	8,478	10,474
Warehousing and storage	<1	3,693	3,926	7,595
Newspaper publishers	<1	1,630	2,336	4,245
Periodical publishers	<1	305	406	796
Book publishers	<1	228	473	1,629

## Appendix

Directory, mailing list, and other publishers	<1	3,173	5,667	13,303
Greeting card publishing	0	0	0	0
Software publishers	<1	1,699	2,557	4,286
Motion picture and video industries	<1	512	763	3,227
Sound recording industries	<1	34	228	737
Radio and television broadcasting	<1	8,121	10,232	28,846
Cable and other subscription programming	<1	555	2,119	6,411
Wired telecommunications carriers	<1	4,535	9,194	18,390
Wireless telecommunications carriers (except satellite)	<1	538	4,177	14,235
Satellite, telecommunications resellers, and all other telecommunications	<1	834	948	2,629
Data processing, hosting, and related services	<1	4,944	9,154	31,750
News syndicates, libraries, archives and all other information services	<1	314	424	1,450
Internet publishing and broadcasting and web search portals	<1	1,571	3,299	39,706
Nondepository credit intermediation and related activities	<1	2,820	3,122	5,270
Securities and commodity contracts intermediation and brokerage	<1	5,187	4,196	8,976
Monetary authorities and depository credit intermediation	<1	21,330	58,122	106,885
Other financial investment activities	<1	2,519	3,187	8,504
Direct life insurance carriers	<1	611	1,537	2,236
Insurance carriers, except direct life	<1	6,481	26,871	55,264
Insurance agencies, brokerages, and related activities	<1	7,745	13,768	36,200
Funds, trusts, and other financial vehicles	<1	2,104	3,003	9,931
Other real estate	1	40,026	128,777	274,215
Tenant-occupied housing	<1	2,256	20,351	22,095
Owner-occupied dwellings	0	0	132,152	159,486
Automotive equipment rental and leasing	<1	1,210	4,326	5,568

## Appendix

General and consumer goods rental except video tapes and discs	<1	1,576	2,738	4,125
Video tape and disc rental	<1	398	682	1,171
Commercial and industrial machinery and equipment rental and leasing	<1	1,692	5,087	6,527
Lessors of nonfinancial intangible assets	<1	95	2,498	2,718
Legal services	<1	41,802	79,159	112,755
Accounting, tax preparation, bookkeeping, and payroll services	<1	10,254	11,131	20,933
Architectural, engineering, and related services	<1	16,105	16,753	32,337
Specialized design services	<1	242	310	740
Custom computer programming services	<1	3,053	3,013	4,487
Computer systems design services	<1	6,679	5,532	7,597
Other computer related services, including facilities management	<1	1,687	2,054	4,240
Management consulting services	1	85,400	87,468	154,048
Environmental and other technical consulting services	<1	7,671	8,053	13,282
Scientific research and development services	12	1,009,920	1,422,206	2,875,030
Advertising, public relations, and related services	<1	5,431	6,661	20,107
Photographic services	<1	231	424	1,360
Veterinary services	<1	1,162	1,220	1,985
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	14,343	16,812	44,596
Management of companies and enterprises	<1	55,872	61,626	111,028
Office administrative services	<1	21,240	6,575	20,412
Facilities support services	<1	918	1,261	2,944
Employment services	1	64,839	90,260	138,541
Business support services	<1	7,811	6,802	13,098
Travel arrangement and reservation services	<1	1,133	1,830	6,966
Investigation and security services	<1	3,952	4,078	6,053
Services to buildings	<1	4,799	6,955	14,820
Landscape and horticultural services	<1	4,635	5,798	10,835
Other support services	<1	1,863	2,477	5,897
Waste management and remediation services	<1	3,577	5,376	12,285

## Appendix

Elementary and secondary schools	<1	1,923	1,613	2,130
Junior colleges, colleges, universities, and professional schools	<1	3,441	4,526	6,865
Other educational services	<1	1,767	2,087	4,341
Offices of physicians	<1	40,399	40,763	58,221
Offices of dentists	<1	5,565	6,639	9,261
Offices of other health practitioners	<1	6,480	9,755	12,569
Outpatient care centers	<1	8,451	8,363	14,383
Medical and diagnostic laboratories	<1	1,770	2,830	3,967
Home health care services	<1	9,146	9,124	11,897
Other ambulatory health care services	<1	2,406	2,833	4,516
Hospitals	1	92,639	104,715	204,926
Nursing and community care facilities	<1	9,027	9,840	15,506
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,178	5,318	7,967
Individual and family services	<1	14,934	13,377	19,376
Child day care services	<1	3,526	5,741	7,693
Community food, housing, and other relief services, including rehabilitation services	<1	3,099	2,957	7,131
Performing arts companies	<1	779	1,506	3,472
Commercial Sports Except Racing	<1	1,036	1,230	2,450
Racing and Track Operation	<1	100	175	338
Independent artists, writers, and performers	<1	291	921	1,727
Promoters of performing arts and sports and agents for public figures	<1	726	1,998	5,585
Museums, historical sites, zoos, and parks	<1	206	289	569
Amusement parks and arcades	<1	50	73	104
Gambling industries (except casino hotels)	<1	1,350	3,288	5,420
Other amusement and recreation industries	<1	1,403	952	1,696
Fitness and recreational sports centers	<1	627	769	1,357
Bowling centers	<1	160	235	414
Hotels and motels, including casino hotels	<1	535	1,137	1,751
Other accommodations	<1	106	141	190

Appendix

Full-service restaurants	<1	14,978	21,959	46,789
Limited-service restaurants	<1	11,387	17,653	43,810
All other food and drinking places	<1	10,142	15,702	25,251
Automotive repair and maintenance, except car washes	<1	9,081	11,069	16,037
Car washes	<1	4,279	6,585	9,817
Electronic and precision equipment repair and maintenance	<1	2,212	2,830	4,933
Commercial and industrial machinery and equipment repair and maintenance	<1	6,194	5,370	9,010
Personal and household goods repair and maintenance	<1	940	1,742	2,608
Personal care services	<1	2,702	1,707	2,151
Death care services	<1	1,481	1,050	1,495
Dry-cleaning and laundry services	<1	1,750	1,138	1,491
Other personal services	<1	1,856	2,337	3,379
Religious organizations	<1	15,180	7,280	22,460
Grantmaking, giving, and social advocacy organizations	<1	3,005	8,416	13,677
Business and professional associations	<1	1,694	2,571	4,449
Labor and civic organizations	<1	2,151	5,797	11,362
Private households	<1	994	994	994
Postal service	<1	6,233	6,256	6,259
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	173	222	456
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,886	3,762	5,934
Local government passenger transit	<1	5,388	2,548	5,704
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	5,584	15,045	36,265
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	231,245	428,500	784,146

## Investments in Climate Change Research and Technology

**Table 774: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	6	572,188	805,356	1,537,241
Oilseed farming	<1	-17	45	60
Grain farming	<1	-23	4	255
Vegetable and melon farming	<1	-7	46	127
Fruit farming	<1	-15	84	183
Tree nut farming	<1	0	<1	2
Greenhouse, nursery, and floriculture production	<1	3	40	94
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	-2	112	374
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-87	250	657
Dairy cattle and milk production	<1	-1	4	24
Poultry and egg production	<1	2	143	1,602
Animal production, except cattle and poultry and eggs	<1	-126	625	709
Forestry, forest products, and timber tract production	<1	9	11	15

Appendix

Commercial logging	<1	57	60	99
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	7	14
Support activities for agriculture and forestry	<1	310	281	321
Oil and gas extraction	<1	765	5,604	7,334
Coal mining	<1	650	2,875	3,645
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	11	32	58
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	27	166	243
Sand and gravel mining	<1	28	69	102
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	<1	2	3
Phosphate rock mining	<1	<1	1	2
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	<1	3	7	13
Drilling oil and gas wells	<1	<1	1	2
Support activities for oil and gas operations	<1	9	26	40
Metal mining services	<1	9	100	162
Other nonmetallic minerals services	<1	5	22	46
Electric power generation - Hydroelectric	<1	25	51	97
Electric power generation - Fossil fuel	<1	560	2,051	5,679
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3	7	15
Electric power generation - Wind	<1	7	55	133
Electric power generation - Geothermal	<1	4	9	18
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	14	-23	7
Electric power transmission and distribution	<1	897	2,969	8,473

## Appendix

Natural gas distribution	<1	432	1,402	3,583
Water, sewage and other systems	<1	183	363	694
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	734	1,119	3,046
Maintenance and repair construction of residential structures	<1	502	738	1,923
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	0	<1	2
Other animal food manufacturing	<1	3	7	58
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	5



## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	4
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	<1	<1	5
Canned fruits and vegetables manufacturing	<1	1	2	15
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	15	17	177
Creamery butter manufacturing	<1	9	18	226
Ice cream and frozen dessert manufacturing	<1	4	5	34
Frozen cakes and other pastries manufacturing	<1	12	18	36
Poultry processing	<1	223	237	1,374
Animal, except poultry, slaughtering	<1	7	7	117
Meat processed from carcasses	<1	13	13	179
Rendering and meat byproduct processing	<1	4	3	22
Seafood product preparation and packaging	<1	0	0	<1
Bread and bakery product, except frozen, manufacturing	<1	56	72	215
Cookie and cracker manufacturing	<1	<1	<1	4
Dry pasta, mixes, and dough manufacturing	<1	2	3	19
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	5	6	43
Other snack food manufacturing	<1	6	9	64
Coffee and tea manufacturing	<1	<1	<1	5
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	8
Spice and extract manufacturing	<1	<1	<1	4
All other food manufacturing	<1	<1	<1	<1
Bottled and canned soft drinks & water	<1	14	17	173
Manufactured ice	<1	4	2	15

## Appendix

Breweries	<1	5	6	39
Wineries	<1	2	2	18
Distilleries	<1	3	3	19
Tobacco product manufacturing	<1	77	446	1,837
Fiber, yarn, and thread mills	<1	0	2	12
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	0	<1	7
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	0	<1	<1
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	3	3	59
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	<1	<1	4
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	<1	1	6
Hosiery and sock mills	<1	0	<1	<1
Other apparel knitting mills	<1	0	<1	<1
Cut and sew apparel contractors	<1	<1	<1	2
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	1
Women's and girls' cut and sew apparel manufacturing	<1	<1	<1	3
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	0	0	2
Other leather and allied product manufacturing	0	0	0	0
Sawmills	<1	61	137	584
Wood preservation	<1	6	23	82
Veneer and plywood manufacturing	<1	16	30	91
Engineered wood member and truss manufacturing	<1	14	28	73
Reconstituted wood product manufacturing	<1	18	79	233
Wood windows and door manufacturing	<1	33	52	151
Cut stock, resawing lumber, and planing	<1	5	13	38

## Appendix

Other millwork, including flooring	<1	38	78	232
Wood container and pallet manufacturing	<1	12	20	63
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	3	8	26
All other miscellaneous wood product manufacturing	<1	16	28	99
Pulp mills	<1	<1	3	10
Paper mills	<1	5	11	38
Paperboard mills	<1	9	19	76
Paperboard container manufacturing	<1	14	21	91
Paper bag and coated and treated paper manufacturing	<1	3	5	17
Stationery product manufacturing	<1	<1	<1	3
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	225	311	808
Support activities for printing	<1	2	3	5
Petroleum refineries	<1	87	486	4,407
Asphalt paving mixture and block manufacturing	<1	7	9	59
Asphalt shingle and coating materials manufacturing	<1	3	7	28
Petroleum lubricating oil and grease manufacturing	<1	11	21	74
All other petroleum and coal products manufacturing	<1	39	86	312
Petrochemical manufacturing	<1	44	435	1,870
Industrial gas manufacturing	<1	34	90	242
Synthetic dye and pigment manufacturing	<1	2	4	9
Other basic inorganic chemical manufacturing	<1	41	79	222
Other basic organic chemical manufacturing	<1	93	204	1,214
Plastics material and resin manufacturing	<1	206	324	1,881
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0

## Appendix

Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	12	39	234
Medicinal and botanical manufacturing	<1	4	6	17
Pharmaceutical preparation manufacturing	<1	78	182	473
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	8	23	52
Paint and coating manufacturing	<1	8	15	70
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	85	217	798
Polish and other sanitation good manufacturing	<1	3	5	14
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	<1	2
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	4	6	22
Photographic film and chemical manufacturing	<1	14	30	120
Other miscellaneous chemical product manufacturing	<1	8	12	43
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	7	13	52
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	2	7	28
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	<1	<1	3
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	13	24	82
Plastics bottle manufacturing	<1	3	6	25
Other plastics product manufacturing	<1	94	149	528
Tire manufacturing	<1	1	2	14

## Appendix

Rubber and plastics hoses and belting manufacturing	<1	2	3	11
Other rubber product manufacturing	<1	13	17	57
Pottery, ceramics, and plumbing fixture manufacturing	<1	8	14	33
Brick, tile, and other structural clay product manufacturing	<1	3	6	15
Flat glass manufacturing	<1	4	8	17
Other pressed and blown glass and glassware manufacturing	<1	9	16	55
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	3	5	9
Cement manufacturing	<1	5	13	30
Ready-mix concrete manufacturing	<1	69	126	441
Concrete block and brick manufacturing	<1	9	18	49
Concrete pipe manufacturing	<1	6	10	22
Other concrete product manufacturing	<1	24	40	110
Lime manufacturing	<1	2	4	10
Gypsum product manufacturing	<1	2	8	19
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	9	12	33
Ground or treated mineral and earth manufacturing	<1	2	6	13
Mineral wool manufacturing	<1	13	41	95
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	2	5
Iron and steel mills and ferroalloy manufacturing	<1	52	108	792
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	<1	<1	6
Aluminum sheet, plate, and foil manufacturing	<1	11	20	97
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	0	1	22
Nonferrous metal, except copper and aluminum, shaping	<1	8	9	32
Secondary processing of other nonferrous metals	<1	<1	1	7
Ferrous metal foundries	<1	1	2	5
Nonferrous metal foundries	<1	<1	2	3
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	1	2	6
Iron and steel forging	<1	1	2	6
Nonferrous forging	<1	1	1	5
Cutlery, utensil, pot, and pan manufacturing	<1	<1	1	5
Handtool manufacturing	<1	<1	<1	3
Prefabricated metal buildings and components manufacturing	<1	3	5	18
Fabricated structural metal manufacturing	<1	16	24	100
Plate work manufacturing	<1	2	2	7
Metal window and door manufacturing	<1	1	2	6
Sheet metal work manufacturing	<1	5	7	23
Ornamental and architectural metal work manufacturing	<1	<1	<1	4
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	0	0	<1
Metal cans manufacturing	<1	5	9	57
Metal barrels, drums and pails manufacturing	<1	<1	<1	2
Hardware manufacturing	<1	1	2	8
Spring and wire product manufacturing	<1	1	2	6
Machine shops	<1	45	54	124
Turned product and screw, nut, and bolt manufacturing	<1	3	4	13
Metal heat treating	<1	<1	<1	2
Metal coating and nonprecious engraving	<1	11	20	46
Electroplating, anodizing, and coloring metal	<1	2	2	5
Valve and fittings, other than plumbing, manufacturing	<1	0	0	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	3	7	18
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1	3	13
Fabricated pipe and pipe fitting manufacturing	<1	2	2	7
Other fabricated metal manufacturing	<1	<1	1	3
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	<1	4
Mining machinery and equipment manufacturing	<1	4	5	19
Oil and gas field machinery and equipment manufacturing	<1	5	5	17
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	1
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	0	<1	<1
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	<1	<1	2
Industrial mold manufacturing	<1	0	0	<1
Special tool, die, jig, and fixture manufacturing	<1	0	0	<1

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	0	0	<1
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	<1
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	0	0	<1
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	0	0	<1
Air and gas compressor manufacturing	<1	0	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	<1	<1	2
Fluid power pump and motor manufacturing	<1	0	0	1
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	0	0	<1
Electronic computer manufacturing	<1	<1	0	<1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0



## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	0	0	<1
Bare printed circuit board manufacturing	<1	<1	<1	1
Semiconductor and related device manufacturing	<1	0	0	1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	3	3	10
Industrial process variable instruments manufacturing	<1	1	<1	4
Totalizing fluid meter and counting device manufacturing	<1	0	0	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	<1	<1	0	4
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	0	0	<1
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	<1	1	6
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	2
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	<1	<1	<1	3
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	0	0	<1
Wiring device manufacturing	<1	<1	<1	1
Carbon and graphite product manufacturing	<1	3	3	12
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	0	<1	<1
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	<1	0	0	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	50	147	429
Motor vehicle electrical and electronic equipment manufacturing	<1	169	338	1,010
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	41	76	207
Other motor vehicle parts manufacturing	<1	33	77	319

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	25	64	157
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	<1	1	3	8
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	1
Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	0	0	0	0
Boat building	<1	12	15	63
Motorcycle, bicycle, and parts manufacturing	<1	<1	1	4
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	4	28
Wood kitchen cabinet and countertop manufacturing	<1	34	37	102
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	1	2	5
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	<1	-1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	<1
Mattress manufacturing	<1	0	0	<1
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	1	2	5
Surgical appliance and supplies manufacturing	<1	16	32	82

Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	<1	1	3
Jewelry and silverware manufacturing	<1	3	6	20
Sporting and athletic goods manufacturing	<1	<1	<1	1
Doll, toy, and game manufacturing	<1	<1	<1	2
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	12	11	38
Gasket, packing, and sealing device manufacturing	<1	<1	<1	1
Musical instrument manufacturing	<1	0	0	<1
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	<1	1	6
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	4
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	222	493	1,240
Wholesale - Professional and commercial equipment and supplies	<1	742	1,147	2,297
Wholesale - Household appliances and electrical and electronic goods	<1	257	627	1,559
Wholesale - Machinery, equipment, and supplies	<1	568	1,055	2,130
Wholesale - Other durable goods merchant wholesalers	<1	597	1,094	2,659
Wholesale - Drugs and druggists'sundries	<1	773	1,920	4,324
Wholesale - Grocery and related product wholesalers	<1	758	1,144	2,511
Wholesale - Petroleum and petroleum products	<1	303	2,590	3,455
Wholesale - Other nondurable goods merchant wholesalers	<1	825	1,739	3,916
Wholesale - Wholesale electronic markets and agents and brokers	<1	896	1,024	1,266
Retail - Motor vehicle and parts dealers	<1	1,499	2,282	3,344
Retail - Furniture and home furnishings stores	<1	660	877	1,460

## Appendix

Retail - Electronics and appliance stores	<1	617	560	1,016
Retail - Building material and garden equipment and supplies stores	<1	809	1,617	2,358
Retail - Food and beverage stores	<1	1,882	2,811	4,842
Retail - Health and personal care stores	<1	1,548	2,020	3,112
Retail - Gasoline stores	<1	804	1,920	3,791
Retail - Clothing and clothing accessories stores	<1	552	1,110	2,674
Retail - Sporting goods, hobby, musical instrument and book stores	<1	536	771	1,426
Retail - General merchandise stores	<1	2,251	3,791	6,406
Retail - Miscellaneous store retailers	<1	1,158	1,293	2,553
Retail - Nonstore retailers	<1	1,117	6,571	11,551
Air transportation	<1	71	172	434
Rail transportation	<1	215	842	1,308
Water transportation	<1	157	222	1,064
Truck transportation	<1	2,098	3,075	6,779
Transit and ground passenger transportation	<1	117	128	251
Pipeline transportation	<1	443	863	1,687
Scenic and sightseeing transportation and support activities for transportation	<1	2,470	2,274	3,302
Couriers and messengers	<1	800	1,672	2,040
Warehousing and storage	<1	889	940	1,851
Newspaper publishers	<1	252	315	621
Periodical publishers	<1	35	39	87
Book publishers	<1	30	50	191
Directory, mailing list, and other publishers	<1	603	921	2,243
Greeting card publishing	0	0	0	0
Software publishers	<1	359	471	835
Motion picture and video industries	<1	103	150	693
Sound recording industries	<1	5	34	120
Radio and television broadcasting	<1	1,346	1,684	5,397
Cable and other subscription programming	<1	84	302	988
Wired telecommunications carriers	<1	1,143	2,043	4,214

## Appendix

Wireless telecommunications carriers (except satellite)	<1	148	848	3,202
Satellite, telecommunications resellers, and all other telecommunications	<1	182	215	550
Data processing, hosting, and related services	<1	904	1,676	5,993
News syndicates, libraries, archives and all other information services	<1	50	68	237
Internet publishing and broadcasting and web search portals	<1	104	227	2,270
Nondepository credit intermediation and related activities	<1	640	703	1,234
Securities and commodity contracts intermediation and brokerage	<1	1,123	943	2,311
Monetary authorities and depository credit intermediation	<1	5,042	10,882	22,049
Other financial investment activities	<1	509	644	1,969
Direct life insurance carriers	<1	207	497	755
Insurance carriers, except direct life	<1	1,645	6,562	14,394
Insurance agencies, brokerages, and related activities	<1	2,120	3,753	10,174
Funds, trusts, and other financial vehicles	<1	518	689	2,721
Other real estate	<1	5,907	19,129	42,672
Tenant-occupied housing	<1	638	5,359	5,877
Owner-occupied dwellings	0	0	35,766	43,275
Automotive equipment rental and leasing	<1	270	902	1,211
General and consumer goods rental except video tapes and discs	<1	349	600	920
Video tape and disc rental	<1	120	204	347
Commercial and industrial machinery and equipment rental and leasing	<1	336	963	1,262
Lessors of nonfinancial intangible assets	<1	20	434	475
Legal services	<1	7,754	13,883	20,274
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,896	2,003	3,924
Architectural, engineering, and related services	<1	2,650	2,731	5,368
Specialized design services	<1	39	48	123

Appendix

Custom computer programming services	<1	494	489	748
Computer systems design services	<1	1,059	876	1,228
Other computer related services, including facilities management	<1	240	293	614
Management consulting services	<1	7,377	7,527	13,742
Environmental and other technical consulting services	<1	1,199	1,242	2,122
Scientific research and development services	2	147,132	213,090	432,044
Advertising, public relations, and related services	<1	888	1,065	3,354
Photographic services	<1	50	83	292
Veterinary services	<1	292	302	502
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,841	2,125	5,821
Management of companies and enterprises	<1	9,109	9,974	18,601
Office administrative services	<1	2,847	799	2,816
Facilities support services	<1	168	223	565
Employment services	<1	10,596	14,331	23,901
Business support services	<1	1,587	1,348	2,806
Travel arrangement and reservation services	<1	209	332	1,345
Investigation and security services	<1	724	745	1,157
Services to buildings	<1	828	1,162	2,620
Landscape and horticultural services	<1	812	996	1,960
Other support services	<1	324	424	1,060
Waste management and remediation services	<1	770	1,164	2,679
Elementary and secondary schools	<1	414	352	469
Junior colleges, colleges, universities, and professional schools	0	-16,282	-21,270	-33,042
Other educational services	<1	350	411	880
Offices of physicians	<1	11,010	11,067	15,995
Offices of dentists	<1	1,517	1,761	2,499
Offices of other health practitioners	<1	1,922	2,731	3,582
Outpatient care centers	<1	2,268	2,232	3,794
Medical and diagnostic laboratories	<1	497	752	1,085
Home health care services	<1	2,399	2,381	3,115

## Appendix

Other ambulatory health care services	<1	671	771	1,245
Hospitals	<1	21,074	23,453	45,666
Nursing and community care facilities	<1	2,127	2,302	3,732
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,073	1,100	1,680
Individual and family services	<1	3,439	3,038	4,525
Child day care services	<1	855	1,329	1,824
Community food, housing, and other relief services, including rehabilitation services	<1	641	610	1,517
Performing arts companies	<1	159	305	761
Commercial Sports Except Racing	<1	213	221	467
Racing and Track Operation	<1	23	43	86
Independent artists, writers, and performers	<1	51	164	318
Promoters of performing arts and sports and agents for public figures	<1	139	388	1,190
Museums, historical sites, zoos, and parks	<1	46	64	130
Amusement parks and arcades	<1	12	18	25
Gambling industries (except casino hotels)	<1	355	831	1,399
Other amusement and recreation industries	<1	343	234	423
Fitness and recreational sports centers	<1	139	169	308
Bowling centers	<1	43	63	112
Hotels and motels, including casino hotels	<1	117	262	405
Other accommodations	<1	23	31	42
Full-service restaurants	<1	3,655	5,372	11,585
Limited-service restaurants	<1	2,992	4,655	11,881
All other food and drinking places	<1	2,074	3,288	5,405
Automotive repair and maintenance, except car washes	<1	2,129	2,733	3,974
Car washes	<1	1,094	1,686	2,534
Electronic and precision equipment repair and maintenance	<1	399	511	923
Commercial and industrial machinery and equipment repair and maintenance	<1	1,299	1,152	2,000
Personal and household goods repair and maintenance	<1	183	378	560



## Appendix

Personal care services	<1	720	548	670
Death care services	<1	352	291	405
Dry-cleaning and laundry services	<1	377	291	373
Other personal services	<1	437	576	834
Religious organizations	<1	3,044	1,752	4,719
Grantmaking, giving, and social advocacy organizations	<1	578	1,951	3,091
Business and professional associations	<1	333	590	1,021
Labor and civic organizations	<1	442	1,448	2,691
Private households	<1	261	261	262
Postal service	<1	1,148	1,152	1,157
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	34	39	85
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	506	1,206	1,998
Local government passenger transit	<1	822	1,098	1,334
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	1,189	4,445	9,132
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	252,545	286,038	523,444

## Wisconsin

## NASA

Table 775: Detailed NASA Impacts by Types of Impact, Wisconsin

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	346	25,850,124	39,200,475	75,220,760
Oilseed farming	<1	22,984	113,896	143,663
Grain farming	1	46,570	128,241	299,683
Vegetable and melon farming	<1	10,043	20,128	33,792
Fruit farming	<1	4,083	7,856	10,465
Tree nut farming	<1	7	15	20
Greenhouse, nursery, and floriculture production	<1	4,673	8,549	14,150
Tobacco farming	<1	167	220	345
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,655	6,267	10,673
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	11,403	36,182	83,245
Dairy cattle and milk production	<1	10,527	24,785	104,628
Poultry and egg production	<1	2,055	4,462	34,308
Animal production, except cattle and poultry and eggs	<1	15,924	53,681	60,922
Forestry, forest products, and timber tract production	<1	626	702	936
Commercial logging	<1	4,610	4,836	8,592
Commercial fishing	<1	131	1,991	2,009
Commercial hunting and trapping	<1	216	1,519	2,060
Support activities for agriculture and forestry	<1	32,955	33,911	37,314
Oil and gas extraction	<1	1,080	1,275	29,697
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3,710	11,759	20,562
Sand and gravel mining	<1	4,208	7,038	13,075

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	140	202	384
Phosphate rock mining	<1	56	98	190
Other chemical and fertilizer mineral mining	<1	19	28	55
Other nonmetallic minerals	<1	378	637	1,220
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	5	7	23
Metal mining services	<1	12	16	396
Other nonmetallic minerals services	<1	4	5	60
Electric power generation - Hydroelectric	<1	575	1,780	4,049
Electric power generation - Fossil fuel	<1	24,295	111,116	260,302
Electric power generation - Nuclear	<1	6,709	15,865	31,494
Electric power generation - Solar	<1	32	83	150
Electric power generation - Wind	<1	202	2,220	3,884
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	697	2,658	7,820
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	52,727	231,493	511,983
Natural gas distribution	<1	11,284	49,743	98,103
Water, sewage and other systems	<1	2,513	6,136	9,982
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

## Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	86,324	115,902	292,782
Maintenance and repair construction of residential structures	<1	31,216	41,711	100,615
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	27	36	92
Dog and cat food manufacturing	<1	4,867	12,789	48,365
Other animal food manufacturing	<1	4,441	7,947	66,133
Flour milling	<1	1,244	2,641	15,330
Rice milling	0	0	0	0
Malt manufacturing	<1	2,048	3,533	19,366
Wet corn milling	<1	2,350	5,215	33,437
Soybean and other oilseed processing	<1	337	2,094	17,680
Fats and oils refining and blending	<1	12	33	395
Breakfast cereal manufacturing	<1	291	717	2,720
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1,708	2,398	7,097
Chocolate and confectionery manufacturing from cacao beans	<1	1,253	1,845	6,884
Confectionery manufacturing from purchased chocolate	<1	1,412	2,071	9,529
Frozen fruits, juices and vegetables manufacturing	<1	4,204	8,831	32,873
Frozen specialties manufacturing	<1	7,407	10,117	36,906
Canned fruits and vegetables manufacturing	<1	6,024	11,515	39,751
Canned specialties	<1	1,652	3,793	15,041
Dehydrated food products manufacturing	<1	223	409	1,593
Cheese manufacturing	<1	29,570	42,017	386,960
Dry, condensed, and evaporated dairy product manufacturing	<1	4,504	10,799	63,114
Fluid milk manufacturing	<1	2,199	3,524	20,072
Creamery butter manufacturing	<1	816	2,786	14,625
Ice cream and frozen dessert manufacturing	<1	638	909	4,279

## Appendix

Frozen cakes and other pastries manufacturing	<1	2,328	3,371	6,754
Poultry processing	<1	11,210	13,965	57,870
Animal, except poultry, slaughtering	<1	10,991	13,438	108,290
Meat processed from carcasses	<1	20,959	20,065	144,799
Rendering and meat byproduct processing	<1	382	397	2,068
Seafood product preparation and packaging	<1	59	83	695
Bread and bakery product, except frozen, manufacturing	<1	11,571	16,732	41,244
Cookie and cracker manufacturing	<1	2,794	3,995	13,193
Dry pasta, mixes, and dough manufacturing	<1	1,080	2,483	10,000
Tortilla manufacturing	<1	278	371	1,270
Roasted nuts and peanut butter manufacturing	<1	1,001	2,062	7,195
Other snack food manufacturing	<1	3,251	8,512	29,086
Coffee and tea manufacturing	<1	829	1,543	9,852
Flavoring syrup and concentrate manufacturing	<1	835	6,169	13,715
Mayonnaise, dressing, and sauce manufacturing	<1	1,457	2,764	10,697
Spice and extract manufacturing	<1	2,509	4,083	17,588
All other food manufacturing	<1	5,421	7,666	28,987
Bottled and canned soft drinks & water	<1	4,317	7,762	34,905
Manufactured ice	<1	452	324	1,549
Breweries	<1	9,295	18,071	42,604
Wineries	<1	1,417	2,642	13,713
Distilleries	<1	474	2,532	7,408
Tobacco product manufacturing	<1	34	1,479	3,102
Fiber, yarn, and thread mills	<1	116	159	460
Broadwoven fabric mills	<1	627	1,007	3,207
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	3,225	6,026	21,390
Knit fabric mills	<1	128	187	485
Textile and fabric finishing mills	<1	56	82	347
Fabric coating mills	<1	120	166	655
Carpet and rug mills	<1	247	415	1,775
Curtain and linen mills	<1	34	48	183
Textile bag and canvas mills	<1	613	934	2,598
Rope, cordage, twine, tire cord and tire fabric mills	<1	139	254	665

## Appendix

Other textile product mills	<1	1,015	1,323	3,772
Hosiery and sock mills	<1	74	83	251
Other apparel knitting mills	<1	81	97	293
Cut and sew apparel contractors	<1	64	84	190
Men's and boys' cut and sew apparel manufacturing	<1	101	113	420
Women's and girls' cut and sew apparel manufacturing	<1	103	114	773
Other cut and sew apparel manufacturing	<1	59	70	289
Apparel accessories and other apparel manufacturing	<1	28	40	130
Leather and hide tanning and finishing	<1	339	381	1,646
Footwear manufacturing	<1	257	264	882
Other leather and allied product manufacturing	<1	119	119	331
Sawmills	<1	3,468	5,209	25,110
Wood preservation	<1	383	809	3,369
Veneer and plywood manufacturing	<1	1,558	2,205	9,390
Engineered wood member and truss manufacturing	<1	1,350	1,872	6,913
Reconstituted wood product manufacturing	<1	831	1,898	8,543
Wood windows and door manufacturing	<1	9,067	10,855	35,464
Cut stock, resawing lumber, and planing	<1	716	1,156	4,214
Other millwork, including flooring	<1	2,960	4,007	14,138
Wood container and pallet manufacturing	<1	3,631	4,361	14,130
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	618	859	2,940
All other miscellaneous wood product manufacturing	<1	1,717	2,079	7,448
Pulp mills	<1	13	21	84
Paper mills	<1	24,015	56,406	186,417
Paperboard mills	<1	2,255	5,017	18,819
Paperboard container manufacturing	<1	14,412	23,051	93,622
Paper bag and coated and treated paper manufacturing	<1	16,218	26,542	85,121
Stationery product manufacturing	<1	1,092	1,439	5,675

## Appendix

Sanitary paper product manufacturing	<1	8,575	28,147	83,691
All other converted paper product manufacturing	<1	6,082	10,841	32,306
Printing	1	113,483	173,940	321,782
Support activities for printing	<1	2,681	4,015	5,793
Petroleum refineries	<1	1,047	4,427	39,363
Asphalt paving mixture and block manufacturing	<1	312	383	2,228
Asphalt shingle and coating materials manufacturing	<1	830	1,686	5,719
Petroleum lubricating oil and grease manufacturing	<1	1,238	1,994	6,842
All other petroleum and coal products manufacturing	<1	1,249	2,368	9,273
Petrochemical manufacturing	<1	376	3,394	15,769
Industrial gas manufacturing	<1	857	2,065	10,228
Synthetic dye and pigment manufacturing	<1	796	1,292	4,261
Other basic inorganic chemical manufacturing	<1	1,797	3,230	10,903
Other basic organic chemical manufacturing	<1	6,398	13,096	109,920
Plastics material and resin manufacturing	<1	1,216	2,019	18,067
Synthetic rubber manufacturing	<1	31	45	364
Artificial and synthetic fibers and filaments manufacturing	<1	1	1	17
Nitrogenous fertilizer manufacturing	<1	168	457	2,262
Phosphatic fertilizer manufacturing	<1	20	43	217
Fertilizer mixing	<1	323	533	2,186
Pesticide and other agricultural chemical manufacturing	<1	1,641	4,533	25,858
Medicinal and botanical manufacturing	<1	958	1,229	4,356
Pharmaceutical preparation manufacturing	<1	3,722	7,656	27,081
In-vitro diagnostic substance manufacturing	<1	455	562	1,436
Biological product (except diagnostic) manufacturing	<1	4,877	10,438	26,539
Paint and coating manufacturing	<1	2,947	4,884	22,867
Adhesive manufacturing	<1	636	870	3,965
Soap and other detergent manufacturing	<1	169	345	1,310
Polish and other sanitation good manufacturing	<1	23,418	31,158	74,983



## Appendix

Surface active agent manufacturing	<1	539	1,576	5,219
Toilet preparation manufacturing	<1	155	344	1,606
Printing ink manufacturing	<1	823	885	3,204
Explosives manufacturing	<1	143	158	540
Custom compounding of purchased resins	<1	906	1,460	6,663
Photographic film and chemical manufacturing	<1	319	576	3,030
Other miscellaneous chemical product manufacturing	<1	1,840	2,562	13,927
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	10,242	15,212	57,783
Unlaminated plastics profile shape manufacturing	<1	1,945	3,826	14,563
Plastics pipe and pipe fitting manufacturing	<1	498	1,206	4,805
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	228	349	1,125
Polystyrene foam product manufacturing	<1	1,009	1,641	7,304
Urethane and other foam product (except polystyrene) manufacturing	<1	1,482	2,310	9,644
Plastics bottle manufacturing	<1	702	1,016	4,659
Other plastics product manufacturing	<1	31,925	44,478	152,243
Tire manufacturing	<1	374	471	2,367
Rubber and plastics hoses and belting manufacturing	<1	396	583	1,811
Other rubber product manufacturing	<1	9,548	11,636	43,467
Pottery, ceramics, and plumbing fixture manufacturing	<1	234	391	1,117
Brick, tile, and other structural clay product manufacturing	<1	37	65	156
Flat glass manufacturing	<1	1,109	2,278	5,035
Other pressed and blown glass and glassware manufacturing	<1	51	91	335
Glass container manufacturing	<1	419	701	1,697
Glass product manufacturing made of purchased glass	<1	4,700	8,878	22,318
Cement manufacturing	<1	14	34	115
Ready-mix concrete manufacturing	<1	6,173	10,515	34,171
Concrete block and brick manufacturing	<1	580	1,073	2,655
Concrete pipe manufacturing	<1	269	472	1,515

## Appendix

Other concrete product manufacturing	<1	2,699	4,147	10,428
Lime manufacturing	<1	687	1,580	4,593
Gypsum product manufacturing	<1	276	846	2,346
Abrasive product manufacturing	<1	1,131	2,599	4,658
Cut stone and stone product manufacturing	<1	1,799	2,397	5,267
Ground or treated mineral and earth manufacturing	<1	946	2,316	4,458
Mineral wool manufacturing	<1	677	1,948	4,971
Miscellaneous nonmetallic mineral products manufacturing	<1	175	426	988
Iron and steel mills and ferroalloy manufacturing	<1	595	1,015	9,061
Iron, steel pipe and tube manufacturing from purchased steel	<1	615	899	5,397
Rolled steel shape manufacturing	<1	885	1,612	8,683
Steel wire drawing	<1	485	652	3,180
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	645	956	5,758
Other aluminum rolling, drawing and extruding	<1	374	451	2,910
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	596	883	11,168
Nonferrous metal, except copper and aluminum, shaping	<1	174	192	757
Secondary processing of other nonferrous metals	<1	13	18	113
Ferrous metal foundries	<1	5,066	5,720	16,614
Nonferrous metal foundries	<1	4,325	4,760	12,673
Custom roll forming	<1	136	177	977
Crown and closure manufacturing and metal stamping	<1	4,240	5,147	17,469
Iron and steel forging	<1	2,791	3,500	12,412
Nonferrous forging	<1	405	484	1,932
Cutlery, utensil, pot, and pan manufacturing	<1	3,068	5,373	17,094
Handtool manufacturing	<1	2,267	3,220	8,555
Prefabricated metal buildings and components manufacturing	<1	1,361	1,815	6,528

## Appendix

Fabricated structural metal manufacturing	<1	3,165	4,257	15,086
Plate work manufacturing	<1	3,436	3,778	11,846
Metal window and door manufacturing	<1	3,161	4,025	12,747
Sheet metal work manufacturing	<1	5,002	6,229	18,375
Ornamental and architectural metal work manufacturing	<1	2,764	3,174	9,123
Power boiler and heat exchanger manufacturing	<1	374	473	1,489
Metal tank (heavy gauge) manufacturing	<1	625	728	2,485
Metal cans manufacturing	<1	1,589	2,550	15,481
Metal barrels, drums and pails manufacturing	<1	587	715	3,151
Hardware manufacturing	<1	2,145	2,869	10,546
Spring and wire product manufacturing	<1	2,167	2,642	8,979
Machine shops	<1	28,667	32,359	74,317
Turned product and screw, nut, and bolt manufacturing	<1	2,908	3,481	10,690
Metal heat treating	<1	1,264	1,542	4,302
Metal coating and nonprecious engraving	<1	3,087	4,682	16,204
Electroplating, anodizing, and coloring metal	<1	1,967	2,100	5,263
Valve and fittings, other than plumbing, manufacturing	<1	1,119	1,504	6,036
Plumbing fixture fitting and trim manufacturing	<1	1,052	1,992	7,200
Ball and roller bearing manufacturing	<1	436	622	1,830
Small arms ammunition manufacturing	<1	4,292	8,181	27,024
Ammunition, except for small arms, manufacturing	<1	72	80	202
Small arms, ordnance, and accessories manufacturing	<1	1,932	3,356	11,736
Fabricated pipe and pipe fitting manufacturing	<1	870	1,021	3,128
Other fabricated metal manufacturing	<1	19,183	23,459	68,130
Farm machinery and equipment manufacturing	<1	1,042	2,111	8,122
Lawn and garden equipment manufacturing	<1	644	1,206	4,301
Construction machinery manufacturing	<1	2,449	5,557	17,563
Mining machinery and equipment manufacturing	<1	57	85	211

## Appendix

Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	72	84	246
Sawmill, woodworking, and paper machinery	<1	816	939	2,630
Printing machinery and equipment manufacturing	<1	55	62	193
All other industrial machinery manufacturing	<1	26,435	35,877	94,505
Optical instrument and lens manufacturing	<1	530	805	2,153
Photographic and photocopying equipment manufacturing	<1	57	73	241
Other commercial service industry machinery manufacturing	<1	472	817	2,610
Air purification and ventilation equipment manufacturing	<1	1,253	1,688	4,181
Heating equipment (except warm air furnaces) manufacturing	<1	398	668	2,119
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,440	4,441	12,299
Industrial mold manufacturing	<1	657	815	1,591
Special tool, die, jig, and fixture manufacturing	<1	751	1,038	1,954
Cutting tool and machine tool accessory manufacturing	<1	422	502	1,182
Machine tool manufacturing	<1	102	135	389
Rolling mill and other metalworking machinery manufacturing	<1	71	99	221
Turbine and turbine generator set units manufacturing	<1	8	9	26
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,854	2,773	7,462
Mechanical power transmission equipment manufacturing	<1	1,927	2,907	7,133
Other engine equipment manufacturing	<1	10,155	23,901	89,655
Pump and pumping equipment manufacturing	<1	201	364	1,078
Air and gas compressor manufacturing	<1	41	58	191
Elevator and moving stairway manufacturing	<1	31	41	151

## Appendix

Conveyor and conveying equipment manufacturing	<1	129	147	438
Overhead cranes, hoists, and monorail systems manufacturing	<1	44	84	285
Industrial truck, trailer, and stacker manufacturing	<1	34	59	164
Power-driven handtool manufacturing	<1	149	456	887
Welding and soldering equipment manufacturing	<1	186	298	900
Packaging machinery manufacturing	<1	180	282	721
Industrial process furnace and oven manufacturing	<1	322	401	723
Fluid power cylinder and actuator manufacturing	<1	695	1,028	2,697
Fluid power pump and motor manufacturing	<1	158	276	954
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	178	226	713
Electronic computer manufacturing	<1	109	141	745
Computer storage device manufacturing	<1	45	61	333
Computer terminals and other computer peripheral equipment manufacturing	<1	236	306	1,280
Telephone apparatus manufacturing	<1	80	119	575
Broadcast and wireless communications equipment manufacturing	<1	4	5	18
Other communications equipment manufacturing	<1	85	118	399
Audio and video equipment manufacturing	<1	18	27	284
Printed circuit assembly (electronic assembly) manufacturing	<1	6,738	8,980	51,743
Bare printed circuit board manufacturing	<1	839	975	3,219
Semiconductor and related device manufacturing	<1	45	65	433
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	353	408	1,332
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	2,394	2,756	9,825

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	<1	60	80	234
Search, detection, and navigation instruments manufacturing	<1	9	12	34
Automatic environmental control manufacturing	<1	911	1,104	3,296
Industrial process variable instruments manufacturing	<1	167	209	682
Totalizing fluid meter and counting device manufacturing	<1	251	409	1,165
Electricity and signal testing instruments manufacturing	<1	72	83	304
Analytical laboratory instrument manufacturing	<1	70,691	99,423	244,623
Irradiation apparatus manufacturing	<1	146	209	666
Watch, clock, and other measuring and controlling device manufacturing	<1	54	67	258
Blank magnetic and optical recording media manufacturing	<1	413	1,116	11,042
Software and other prerecorded and record reproducing	<1	353	468	2,274
Electric lamp bulb and part manufacturing	<1	331	473	1,467
Lighting fixture manufacturing	<1	1,483	1,800	6,860
Small electrical appliance manufacturing	<1	1,026	1,819	6,993
Household cooking appliance manufacturing	<1	1,524	2,869	11,190
Household refrigerator and home freezer manufacturing	<1	1,844	3,276	11,683
Household laundry equipment manufacturing	<1	5,772	8,247	34,839
Other major household appliance manufacturing	<1	741	1,463	4,786
Power, distribution, and specialty transformer manufacturing	<1	199	248	683
Motor and generator manufacturing	<1	3,208	4,927	17,828
Switchgear and switchboard apparatus manufacturing	<1	585	877	3,044
Relay and industrial control manufacturing	<1	7,244	8,731	22,146
Storage battery manufacturing	<1	931	1,310	4,736
Primary battery manufacturing	<1	179	-871	462
Fiber optic cable manufacturing	<1	134	178	865

Appendix

Other communication and energy wire manufacturing	<1	326	481	2,429
Wiring device manufacturing	<1	1,075	1,782	6,637
Carbon and graphite product manufacturing	<1	795	1,088	4,923
All other miscellaneous electrical equipment and component manufacturing	<1	35,398	39,433	127,861
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	584	2,857	11,820
Heavy duty truck manufacturing	<1	66	169	759
Motor vehicle body manufacturing	<1	214	320	1,072
Truck trailer manufacturing	<1	27	40	151
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,318	3,035	13,350
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,297	4,375	19,817
Motor vehicle electrical and electronic equipment manufacturing	<1	5,455	8,064	33,984
Motor vehicle transmission and power train parts manufacturing	<1	3,460	5,926	21,514
Motor vehicle seating and interior trim manufacturing	<1	347	446	2,341
Motor vehicle metal stamping	<1	1,696	2,390	10,026
Other motor vehicle parts manufacturing	<1	9,123	14,515	52,839
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,316	4,048	13,266
Aircraft manufacturing	<1	66	119	328
Aircraft engine and engine parts manufacturing	<1	20,015	53,033	107,927
Other aircraft parts and auxiliary equipment manufacturing	<1	78,401	107,019	226,190
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	23	25	100
Ship building and repairing	<1	183	262	602
Boat building	<1	2,171	3,221	10,874
Motorcycle, bicycle, and parts manufacturing	<1	5,333	17,718	33,781

Appendix

Military armored vehicle, tank, and tank component manufacturing	<1	1,634	3,495	11,486
All other transportation equipment manufacturing	<1	579	1,206	5,874
Wood kitchen cabinet and countertop manufacturing	<1	2,324	2,553	7,266
Upholstered household furniture manufacturing	<1	4,052	4,259	14,593
Nonupholstered wood household furniture manufacturing	<1	407	430	1,453
Other household nonupholstered furniture manufacturing	<1	305	383	1,682
Institutional furniture manufacturing	<1	205	211	687
Wood office furniture manufacturing	<1	3	3	12
Custom architectural woodwork and millwork	<1	40	38	120
Office furniture, except wood, manufacturing	<1	112	131	559
Showcase, partition, shelving, and locker manufacturing	<1	482	535	1,901
Mattress manufacturing	<1	578	744	4,258
Blind and shade manufacturing	<1	117	117	417
Surgical and medical instrument manufacturing	<1	1,234	1,936	4,422
Surgical appliance and supplies manufacturing	<1	1,223	2,397	6,111
Dental equipment and supplies manufacturing	<1	136	230	594
Ophthalmic goods manufacturing	<1	303	592	1,380
Dental laboratories	<1	747	854	1,663
Jewelry and silverware manufacturing	<1	994	1,660	4,523
Sporting and athletic goods manufacturing	<1	2,065	3,057	10,677
Doll, toy, and game manufacturing	<1	524	1,001	3,010
Office supplies (except paper) manufacturing	<1	2,184	3,543	9,678
Sign manufacturing	<1	4,992	4,756	11,500
Gasket, packing, and sealing device manufacturing	<1	530	605	1,520
Musical instrument manufacturing	<1	95	106	294
Fasteners, buttons, needles, and pins manufacturing	<1	44	51	140



## Appendix

Broom, brush, and mop manufacturing	<1	1,122	1,633	4,081
Burial casket manufacturing	<1	109	166	456
All other miscellaneous manufacturing	<1	2,188	3,128	8,601
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	21,498	43,215	105,896
Wholesale - Professional and commercial equipment and supplies	<1	106,138	157,447	292,327
Wholesale - Household appliances and electrical and electronic goods	<1	38,701	84,004	204,073
Wholesale - Machinery, equipment, and supplies	<1	84,015	147,188	280,848
Wholesale - Other durable goods merchant wholesalers	<1	76,429	127,633	283,378
Wholesale - Drugs and druggists'sundries	<1	37,401	83,145	189,319
Wholesale - Grocery and related product wholesalers	<1	44,250	63,669	135,424
Wholesale - Petroleum and petroleum products	<1	8,567	95,374	123,840
Wholesale - Other nondurable goods merchant wholesalers	1	118,484	226,427	460,189
Wholesale - Wholesale electronic markets and agents and brokers	<1	37,369	41,772	49,488
Retail - Motor vehicle and parts dealers	1	74,137	104,566	152,825
Retail - Furniture and home furnishings stores	<1	32,716	43,799	75,638
Retail - Electronics and appliance stores	<1	32,860	30,967	54,562
Retail - Building material and garden equipment and supplies stores	<1	42,855	85,538	125,481
Retail - Food and beverage stores	3	117,092	168,045	285,413
Retail - Health and personal care stores	1	59,724	77,979	121,966
Retail - Gasoline stores	1	34,961	82,487	167,900
Retail - Clothing and clothing accessories stores	1	49,375	79,943	161,859
Retail - Sporting goods, hobby, musical instrument and book stores	1	33,211	43,361	74,634
Retail - General merchandise stores	3	107,478	162,603	277,410
Retail - Miscellaneous store retailers	2	55,680	60,028	111,398
Retail - Nonstore retailers	3	62,259	322,021	564,356
Air transportation	<1	15,036	40,970	84,299

## Appendix

Rail transportation	<1	13,240	44,754	72,947
Water transportation	<1	1,272	2,328	18,691
Truck transportation	2	165,652	248,116	492,766
Transit and ground passenger transportation	1	40,907	90,718	109,292
Pipeline transportation	<1	6,661	18,861	30,531
Scenic and sightseeing transportation and support activities for transportation	1	86,274	77,479	124,312
Couriers and messengers	2	50,042	89,514	110,854
Warehousing and storage	2	102,462	111,680	204,789
Newspaper publishers	<1	11,410	16,379	27,441
Periodical publishers	<1	12,234	15,489	30,888
Book publishers	<1	10,363	21,826	53,889
Directory, mailing list, and other publishers	<1	3,375	6,517	13,267
Greeting card publishing	<1	343	879	1,736
Software publishers	1	313,177	512,728	671,472
Motion picture and video industries	<1	9,454	13,416	56,772
Sound recording industries	<1	3,292	16,306	35,830
Radio and television broadcasting	<1	62,695	100,503	264,008
Cable and other subscription programming	<1	3,416	20,921	51,634
Wired telecommunications carriers	<1	47,066	133,532	231,974
Wireless telecommunications carriers (except satellite)	<1	8,113	82,855	195,784
Satellite, telecommunications resellers, and all other telecommunications	<1	8,864	14,235	29,914
Data processing, hosting, and related services	<1	114,090	251,901	635,358
News syndicates, libraries, archives and all other information services	<1	3,321	4,782	11,589
Internet publishing and broadcasting and web search portals	<1	28,762	74,606	275,718
Nondepository credit intermediation and related activities	<1	63,371	68,096	112,363
Securities and commodity contracts intermediation and brokerage	2	167,421	113,290	246,462
Monetary authorities and depository credit intermediation	4	387,166	1,042,643	1,722,250

## Appendix

Other financial investment activities	2	153,832	163,554	417,061
Direct life insurance carriers	<1	78,567	172,746	222,147
Insurance carriers, except direct life	2	159,835	584,844	1,098,503
Insurance agencies, brokerages, and related activities	1	125,876	225,937	503,842
Funds, trusts, and other financial vehicles	<1	25,407	28,791	140,295
Other real estate	16	441,613	1,467,516	3,493,158
Tenant-occupied housing	1	40,493	348,663	384,897
Owner-occupied dwellings	0	0	1,610,919	1,944,113
Automotive equipment rental and leasing	<1	16,194	49,926	71,867
General and consumer goods rental except video tapes and discs	<1	17,494	32,104	50,271
Video tape and disc rental	<1	6,081	9,988	16,556
Commercial and industrial machinery and equipment rental and leasing	<1	14,884	35,486	50,723
Lessors of nonfinancial intangible assets	<1	7,361	114,358	125,729
Legal services	5	526,791	877,863	1,226,535
Accounting, tax preparation, bookkeeping, and payroll services	2	141,404	182,083	289,558
Architectural, engineering, and related services	3	255,943	282,482	518,129
Specialized design services	<1	12,995	22,315	39,724
Custom computer programming services	<1	84,658	92,909	129,208
Computer systems design services	<1	92,091	91,096	117,715
Other computer related services, including facilities management	<1	27,162	40,960	75,370
Management consulting services	6	568,032	586,305	942,364
Environmental and other technical consulting services	<1	57,227	63,957	107,100
Scientific research and development services	120	10,799,894	14,082,906	28,655,959
Advertising, public relations, and related services	2	136,803	214,457	475,811
Photographic services	<1	4,678	11,908	25,947
Veterinary services	<1	19,891	22,493	35,157
Marketing research and all other miscellaneous professional, scientific, and technical services	2	115,088	199,891	451,665
Management of companies and enterprises	9	1,178,170	1,351,512	2,161,391

## Appendix

Office administrative services	2	131,479	38,147	122,542
Facilities support services	<1	6,703	8,673	19,169
Employment services	14	717,438	943,786	1,597,143
Business support services	1	69,905	59,280	108,314
Travel arrangement and reservation services	<1	23,866	35,597	116,973
Investigation and security services	<1	33,732	34,283	50,505
Services to buildings	2	86,321	115,990	263,316
Landscape and horticultural services	1	68,589	81,526	154,101
Other support services	<1	37,391	46,120	102,824
Waste management and remediation services	<1	39,682	62,054	130,471
Elementary and secondary schools	<1	34,462	26,453	32,699
Junior colleges, colleges, universities, and professional schools	10	618,317	748,003	990,991
Other educational services	<1	29,821	33,285	70,118
Offices of physicians	4	565,033	573,315	777,218
Offices of dentists	1	106,133	131,821	170,947
Offices of other health practitioners	1	76,016	124,097	157,447
Outpatient care centers	1	103,885	103,531	154,940
Medical and diagnostic laboratories	<1	41,262	72,153	91,701
Home health care services	1	58,489	58,910	75,215
Other ambulatory health care services	<1	25,238	31,065	49,778
Hospitals	8	744,831	894,509	1,683,983
Nursing and community care facilities	2	116,406	124,055	208,773
Residential mental retardation, mental health, substance abuse and other facilities	<1	49,405	50,529	75,505
Individual and family services	5	174,530	155,230	219,048
Child day care services	1	54,304	84,971	109,292
Community food, housing, and other relief services, including rehabilitation services	1	42,518	39,761	89,157
Performing arts companies	<1	9,557	22,121	37,666
Commercial Sports Except Racing	<1	45,888	49,454	68,979
Racing and Track Operation	<1	2,360	4,184	8,095
Independent artists, writers, and performers	<1	6,755	29,631	38,953

## Appendix

Promoters of performing arts and sports and agents for public figures	<1	9,681	36,788	72,672
Museums, historical sites, zoos, and parks	<1	5,412	6,913	12,913
Amusement parks and arcades	<1	1,466	3,203	3,887
Gambling industries (except casino hotels)	<1	14,795	41,174	59,843
Other amusement and recreation industries	1	25,843	28,982	43,146
Fitness and recreational sports centers	<1	12,290	15,512	28,180
Bowling centers	<1	3,090	4,111	8,040
Hotels and motels, including casino hotels	<1	18,640	33,839	55,308
Other accommodations	<1	6,410	7,811	10,241
Full-service restaurants	7	206,839	295,018	600,452
Limited-service restaurants	5	151,533	228,491	540,100
All other food and drinking places	5	164,083	220,678	378,484
Automotive repair and maintenance, except car washes	2	149,754	179,186	256,561
Car washes	1	70,759	103,311	154,448
Electronic and precision equipment repair and maintenance	2	122,457	159,231	252,812
Commercial and industrial machinery and equipment repair and maintenance	<1	68,485	79,076	117,327
Personal and household goods repair and maintenance	<1	16,029	32,980	46,278
Personal care services	1	39,088	31,855	37,263
Death care services	<1	10,737	9,447	12,137
Dry-cleaning and laundry services	<1	28,398	23,637	28,476
Other personal services	<1	31,493	41,520	58,702
Religious organizations	2	98,452	71,271	166,720
Grantmaking, giving, and social advocacy organizations	<1	33,393	128,786	181,161
Business and professional associations	<1	31,828	60,151	97,977
Labor and civic organizations	1	25,386	94,413	165,065
Private households	<1	11,609	11,609	11,609
Postal service	<1	73,540	74,085	74,114
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,501	-6,034	780
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	12,027	1,069	5,381
Local government electric utilities	<1	4,718	12,875	27,946
Other local government enterprises	1	94,700	196,789	488,077
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	646,832	1,019,985	1,866,549

## Moon to Mars Campaign

**Table 776: Detailed M2M Campaign Impacts by Types of Impact, Wisconsin**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>53</i>	<i>4,187,546</i>	<i>6,253,559</i>	<i>11,755,515</i>
Oilseed farming	<1	4,439	25,494	33,640
Grain farming	<1	6,477	24,559	42,421
Vegetable and melon farming	<1	1,597	3,394	5,484
Fruit farming	<1	746	1,461	1,898
Tree nut farming	<1	1	3	4
Greenhouse, nursery, and floriculture production	<1	679	1,315	2,087
Tobacco farming	<1	41	55	92

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	478	868	1,433
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,509	5,539	11,155
Dairy cattle and milk production	<1	1,770	4,556	17,431
Poultry and egg production	<1	282	649	4,647
Animal production, except cattle and poultry and eggs	<1	1,997	7,869	8,604
Forestry, forest products, and timber tract production	<1	106	119	156
Commercial logging	<1	652	722	1,232
Commercial fishing	<1	41	320	320
Commercial hunting and trapping	<1	49	228	303
Support activities for agriculture and forestry	<1	4,666	4,863	5,347
Oil and gas extraction	<1	111	155	3,911
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	499	1,557	2,720
Sand and gravel mining	<1	676	1,131	2,048
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	22	32	61
Phosphate rock mining	<1	10	17	34
Other chemical and fertilizer mineral mining	<1	3	5	9
Other nonmetallic minerals	<1	55	93	178
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	1	2	42
Other nonmetallic minerals services	<1	<1	<1	8
Electric power generation - Hydroelectric	<1	110	333	745

## Appendix

Electric power generation - Fossil fuel	<1	4,411	18,487	43,337
Electric power generation - Nuclear	<1	1,256	2,956	5,830
Electric power generation - Solar	<1	5	14	25
Electric power generation - Wind	<1	25	276	481
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	123	468	1,408
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	7,996	33,555	74,055
Natural gas distribution	<1	1,944	8,321	16,059
Water, sewage and other systems	<1	411	970	1,547
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,830	17,653	43,411
Maintenance and repair construction of residential structures	<1	4,831	6,582	15,550
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	6	14
Dog and cat food manufacturing	<1	694	1,837	6,874
Other animal food manufacturing	<1	660	1,222	9,934
Flour milling	<1	169	361	2,146



## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	325	578	3,282
Wet corn milling	<1	293	699	4,102
Soybean and other oilseed processing	<1	58	361	3,010
Fats and oils refining and blending	<1	2	6	73
Breakfast cereal manufacturing	<1	41	99	377
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	283	396	1,151
Chocolate and confectionery manufacturing from cacao beans	<1	281	415	1,518
Confectionery manufacturing from purchased chocolate	<1	235	350	1,574
Frozen fruits, juices and vegetables manufacturing	<1	711	1,534	5,418
Frozen specialties manufacturing	<1	1,164	1,579	5,809
Canned fruits and vegetables manufacturing	<1	1,117	2,166	7,435
Canned specialties	<1	271	629	2,470
Dehydrated food products manufacturing	<1	45	81	314
Cheese manufacturing	<1	5,448	7,685	73,272
Dry, condensed, and evaporated dairy product manufacturing	<1	751	1,801	10,592
Fluid milk manufacturing	<1	379	620	3,495
Creamery butter manufacturing	<1	143	481	2,536
Ice cream and frozen dessert manufacturing	<1	103	148	684
Frozen cakes and other pastries manufacturing	<1	385	559	1,111
Poultry processing	<1	1,477	1,878	7,813
Animal, except poultry, slaughtering	<1	1,524	1,883	15,295
Meat processed from carcasses	<1	3,383	3,257	23,445
Rendering and meat byproduct processing	<1	64	67	349
Seafood product preparation and packaging	<1	9	13	105
Bread and bakery product, except frozen, manufacturing	<1	1,880	2,733	6,721
Cookie and cracker manufacturing	<1	502	742	2,319
Dry pasta, mixes, and dough manufacturing	<1	171	391	1,642
Tortilla manufacturing	<1	42	56	194

## Appendix

Roasted nuts and peanut butter manufacturing	<1	171	363	1,222
Other snack food manufacturing	<1	515	1,344	4,553
Coffee and tea manufacturing	<1	134	252	1,618
Flavoring syrup and concentrate manufacturing	<1	150	1,136	2,470
Mayonnaise, dressing, and sauce manufacturing	<1	248	467	1,811
Spice and extract manufacturing	<1	485	809	3,430
All other food manufacturing	<1	923	1,307	4,997
Bottled and canned soft drinks & water	<1	625	1,134	5,115
Manufactured ice	<1	70	51	233
Breweries	<1	1,466	2,939	6,913
Wineries	<1	284	531	2,657
Distilleries	<1	72	412	1,167
Tobacco product manufacturing	<1	5	277	541
Fiber, yarn, and thread mills	<1	17	26	69
Broadwoven fabric mills	<1	89	149	453
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	628	1,270	4,125
Knit fabric mills	<1	31	44	115
Textile and fabric finishing mills	<1	12	18	73
Fabric coating mills	<1	24	34	128
Carpet and rug mills	<1	37	65	257
Curtain and linen mills	<1	6	9	32
Textile bag and canvas mills	<1	99	156	416
Rope, cordage, twine, tire cord and tire fabric mills	<1	17	33	81
Other textile product mills	<1	167	223	614
Hosiery and sock mills	<1	13	15	41
Other apparel knitting mills	<1	13	16	44
Cut and sew apparel contractors	<1	12	16	35
Men's and boys' cut and sew apparel manufacturing	<1	20	23	81
Women's and girls' cut and sew apparel manufacturing	<1	21	24	149
Other cut and sew apparel manufacturing	<1	12	15	58
Apparel accessories and other apparel manufacturing	<1	5	8	24
Leather and hide tanning and finishing	<1	57	67	276
Footwear manufacturing	<1	46	47	150
Other leather and allied product manufacturing	<1	21	21	57

## Appendix

Sawmills	<1	476	711	3,425
Wood preservation	<1	50	105	458
Veneer and plywood manufacturing	<1	215	300	1,303
Engineered wood member and truss manufacturing	<1	237	325	1,203
Reconstituted wood product manufacturing	<1	117	264	1,192
Wood windows and door manufacturing	<1	1,241	1,472	4,790
Cut stock, resawing lumber, and planing	<1	95	151	563
Other millwork, including flooring	<1	435	580	2,036
Wood container and pallet manufacturing	<1	562	671	2,174
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	81	112	381
All other miscellaneous wood product manufacturing	<1	284	333	1,148
Pulp mills	<1	1	2	10
Paper mills	<1	3,037	6,472	23,252
Paperboard mills	<1	279	595	2,324
Paperboard container manufacturing	<1	2,102	3,420	14,165
Paper bag and coated and treated paper manufacturing	<1	2,532	4,040	13,075
Stationery product manufacturing	<1	191	247	946
Sanitary paper product manufacturing	<1	1,284	4,083	12,584
All other converted paper product manufacturing	<1	972	1,701	5,207
Printing	<1	17,633	27,603	49,644
Support activities for printing	<1	448	678	964
Petroleum refineries	<1	159	728	6,112
Asphalt paving mixture and block manufacturing	<1	45	57	317
Asphalt shingle and coating materials manufacturing	<1	131	292	918
Petroleum lubricating oil and grease manufacturing	<1	206	339	1,126
All other petroleum and coal products manufacturing	<1	131	249	939
Petrochemical manufacturing	<1	48	489	2,048
Industrial gas manufacturing	<1	108	279	1,321

## Appendix

Synthetic dye and pigment manufacturing	<1	122	208	694
Other basic inorganic chemical manufacturing	<1	267	516	1,662
Other basic organic chemical manufacturing	<1	916	1,973	16,172
Plastics material and resin manufacturing	<1	166	291	2,541
Synthetic rubber manufacturing	<1	5	7	59
Artificial and synthetic fibers and filaments manufacturing	<1	0	0	2
Nitrogenous fertilizer manufacturing	<1	31	93	407
Phosphatic fertilizer manufacturing	<1	3	7	37
Fertilizer mixing	<1	50	91	351
Pesticide and other agricultural chemical manufacturing	<1	235	697	3,891
Medicinal and botanical manufacturing	<1	210	279	921
Pharmaceutical preparation manufacturing	<1	699	1,544	5,219
In-vitro diagnostic substance manufacturing	<1	113	139	357
Biological product (except diagnostic) manufacturing	<1	1,191	2,529	6,144
Paint and coating manufacturing	<1	467	826	3,778
Adhesive manufacturing	<1	121	173	757
Soap and other detergent manufacturing	<1	29	65	222
Polish and other sanitation good manufacturing	<1	3,962	5,617	12,857
Surface active agent manufacturing	<1	77	240	751
Toilet preparation manufacturing	<1	28	67	299
Printing ink manufacturing	<1	157	166	606
Explosives manufacturing	<1	21	24	83
Custom compounding of purchased resins	<1	113	195	845
Photographic film and chemical manufacturing	<1	48	92	443
Other miscellaneous chemical product manufacturing	<1	269	393	2,098
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,573	2,353	8,782
Unlaminated plastics profile shape manufacturing	<1	293	588	2,143
Plastics pipe and pipe fitting manufacturing	<1	83	205	810

## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	29	44	144
Polystyrene foam product manufacturing	<1	156	259	1,134
Urethane and other foam product (except polystyrene) manufacturing	<1	236	374	1,531
Plastics bottle manufacturing	<1	128	186	835
Other plastics product manufacturing	<1	4,715	6,722	22,337
Tire manufacturing	<1	51	66	324
Rubber and plastics hoses and belting manufacturing	<1	45	67	216
Other rubber product manufacturing	<1	1,437	1,759	6,761
Pottery, ceramics, and plumbing fixture manufacturing	<1	40	67	187
Brick, tile, and other structural clay product manufacturing	<1	5	9	21
Flat glass manufacturing	<1	169	340	753
Other pressed and blown glass and glassware manufacturing	<1	8	15	53
Glass container manufacturing	<1	65	109	265
Glass product manufacturing made of purchased glass	<1	657	1,207	3,074
Cement manufacturing	<1	2	6	20
Ready-mix concrete manufacturing	<1	966	1,594	5,245
Concrete block and brick manufacturing	<1	93	166	421
Concrete pipe manufacturing	<1	39	67	217
Other concrete product manufacturing	<1	384	576	1,482
Lime manufacturing	<1	85	184	560
Gypsum product manufacturing	<1	44	130	367
Abrasive product manufacturing	<1	134	301	544
Cut stone and stone product manufacturing	<1	251	330	726
Ground or treated mineral and earth manufacturing	<1	136	316	634
Mineral wool manufacturing	<1	112	301	769
Miscellaneous nonmetallic mineral products manufacturing	<1	31	70	162
Iron and steel mills and ferroalloy manufacturing	<1	63	111	974
Iron, steel pipe and tube manufacturing from purchased steel	<1	70	103	612

## Appendix

Rolled steel shape manufacturing	<1	86	163	886
Steel wire drawing	<1	51	68	335
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	49	75	455
Other aluminum rolling, drawing and extruding	<1	40	48	307
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	70	105	1,313
Nonferrous metal, except copper and aluminum, shaping	<1	18	20	78
Secondary processing of other nonferrous metals	<1	2	2	14
Ferrous metal foundries	<1	507	607	1,776
Nonferrous metal foundries	<1	548	604	1,606
Custom roll forming	<1	22	29	163
Crown and closure manufacturing and metal stamping	<1	565	686	2,306
Iron and steel forging	<1	262	330	1,169
Nonferrous forging	<1	41	49	194
Cutlery, utensil, pot, and pan manufacturing	<1	528	884	2,769
Handtool manufacturing	<1	394	562	1,478
Prefabricated metal buildings and components manufacturing	<1	238	304	1,123
Fabricated structural metal manufacturing	<1	425	567	2,020
Plate work manufacturing	<1	368	406	1,263
Metal window and door manufacturing	<1	652	829	2,592
Sheet metal work manufacturing	<1	693	853	2,483
Ornamental and architectural metal work manufacturing	<1	467	531	1,515
Power boiler and heat exchanger manufacturing	<1	42	52	165
Metal tank (heavy gauge) manufacturing	<1	111	129	428
Metal cans manufacturing	<1	237	374	2,241
Metal barrels, drums and pails manufacturing	<1	70	85	376
Hardware manufacturing	<1	301	396	1,443
Spring and wire product manufacturing	<1	246	298	1,013

## Appendix

Machine shops	<1	2,814	3,163	7,212
Turned product and screw, nut, and bolt manufacturing	<1	328	391	1,196
Metal heat treating	<1	173	212	592
Metal coating and nonprecious engraving	<1	383	579	2,006
Electroplating, anodizing, and coloring metal	<1	295	315	790
Valve and fittings, other than plumbing, manufacturing	<1	130	174	703
Plumbing fixture fitting and trim manufacturing	<1	192	351	1,319
Ball and roller bearing manufacturing	<1	58	83	242
Small arms ammunition manufacturing	<1	685	1,301	4,188
Ammunition, except for small arms, manufacturing	<1	10	12	29
Small arms, ordnance, and accessories manufacturing	<1	307	525	1,781
Fabricated pipe and pipe fitting manufacturing	<1	95	111	343
Other fabricated metal manufacturing	<1	1,973	2,391	6,859
Farm machinery and equipment manufacturing	<1	143	306	1,114
Lawn and garden equipment manufacturing	<1	89	172	587
Construction machinery manufacturing	<1	70	191	487
Mining machinery and equipment manufacturing	<1	7	10	25
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	10	12	34
Sawmill, woodworking, and paper machinery	<1	119	138	375
Printing machinery and equipment manufacturing	<1	7	8	25
All other industrial machinery manufacturing	<1	21	28	74
Optical instrument and lens manufacturing	<1	51	77	202
Photographic and photocopying equipment manufacturing	<1	8	11	35
Other commercial service industry machinery manufacturing	<1	97	171	529

## Appendix

Air purification and ventilation equipment manufacturing	<1	194	266	646
Heating equipment (except warm air furnaces) manufacturing	<1	73	126	377
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	400	733	1,989
Industrial mold manufacturing	<1	95	119	230
Special tool, die, jig, and fixture manufacturing	<1	75	104	194
Cutting tool and machine tool accessory manufacturing	<1	47	56	131
Machine tool manufacturing	<1	13	17	49
Rolling mill and other metalworking machinery manufacturing	<1	10	15	32
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	<1	291	429	1,130
Mechanical power transmission equipment manufacturing	<1	296	448	1,099
Other engine equipment manufacturing	<1	1,307	3,156	11,391
Pump and pumping equipment manufacturing	<1	36	67	195
Air and gas compressor manufacturing	<1	3	4	14
Elevator and moving stairway manufacturing	<1	5	7	27
Conveyor and conveying equipment manufacturing	<1	16	19	54
Overhead cranes, hoists, and monorail systems manufacturing	<1	6	13	42
Industrial truck, trailer, and stacker manufacturing	<1	5	9	24
Power-driven handtool manufacturing	<1	38	110	216
Welding and soldering equipment manufacturing	<1	31	48	136
Packaging machinery manufacturing	<1	32	50	125
Industrial process furnace and oven manufacturing	<1	56	69	123
Fluid power cylinder and actuator manufacturing	<1	69	103	269
Fluid power pump and motor manufacturing	<1	14	24	81



## Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	26	33	104
Electronic computer manufacturing	<1	18	24	119
Computer storage device manufacturing	<1	8	11	57
Computer terminals and other computer peripheral equipment manufacturing	<1	41	54	220
Telephone apparatus manufacturing	<1	11	17	79
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	3
Other communications equipment manufacturing	<1	15	21	69
Audio and video equipment manufacturing	<1	4	6	59
Printed circuit assembly (electronic assembly) manufacturing	<1	277	377	2,091
Bare printed circuit board manufacturing	<1	79	92	311
Semiconductor and related device manufacturing	<1	3	5	33
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	50	58	187
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	183	210	740
Electromedical and electrotherapeutic apparatus manufacturing	<1	11	16	45
Search, detection, and navigation instruments manufacturing	<1	<1	1	3
Automatic environmental control manufacturing	<1	180	220	645
Industrial process variable instruments manufacturing	<1	20	25	83
Totalizing fluid meter and counting device manufacturing	<1	35	59	164
Electricity and signal testing instruments manufacturing	<1	14	16	58
Analytical laboratory instrument manufacturing	<1	11,783	16,771	40,567
Irradiation apparatus manufacturing	<1	28	42	129

## Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	10	13	48
Blank magnetic and optical recording media manufacturing	<1	93	239	2,310
Software and other prerecorded and record reproducing	<1	71	94	442
Electric lamp bulb and part manufacturing	<1	61	87	267
Lighting fixture manufacturing	<1	311	380	1,391
Small electrical appliance manufacturing	<1	184	316	1,222
Household cooking appliance manufacturing	<1	209	407	1,523
Household refrigerator and home freezer manufacturing	<1	254	467	1,601
Household laundry equipment manufacturing	<1	796	1,161	4,740
Other major household appliance manufacturing	<1	115	237	743
Power, distribution, and specialty transformer manufacturing	<1	33	41	113
Motor and generator manufacturing	<1	432	664	2,388
Switchgear and switchboard apparatus manufacturing	<1	96	144	496
Relay and industrial control manufacturing	<1	899	1,074	2,714
Storage battery manufacturing	<1	164	227	809
Primary battery manufacturing	<1	35	-178	88
Fiber optic cable manufacturing	<1	25	33	155
Other communication and energy wire manufacturing	<1	36	56	271
Wiring device manufacturing	<1	149	252	925
Carbon and graphite product manufacturing	<1	86	115	526
All other miscellaneous electrical equipment and component manufacturing	<1	8	9	30
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	89	417	1,680
Heavy duty truck manufacturing	<1	8	22	88
Motor vehicle body manufacturing	<1	30	44	154
Truck trailer manufacturing	<1	3	4	16
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	295	384	1,698

## Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	313	596	2,695
Motor vehicle electrical and electronic equipment manufacturing	<1	728	1,084	4,370
Motor vehicle transmission and power train parts manufacturing	<1	585	989	3,467
Motor vehicle seating and interior trim manufacturing	<1	41	53	275
Motor vehicle metal stamping	<1	180	260	1,070
Other motor vehicle parts manufacturing	<1	1,240	1,942	7,119
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	315	560	1,832
Aircraft manufacturing	<1	1	2	6
Aircraft engine and engine parts manufacturing	<1	6	15	40
Other aircraft parts and auxiliary equipment manufacturing	<1	1	2	4
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	5	6	22
Ship building and repairing	<1	33	44	106
Boat building	<1	289	421	1,431
Motorcycle, bicycle, and parts manufacturing	<1	718	2,154	4,280
Military armored vehicle, tank, and tank component manufacturing	<1	239	481	1,548
All other transportation equipment manufacturing	<1	71	140	692
Wood kitchen cabinet and countertop manufacturing	<1	366	393	1,116
Upholstered household furniture manufacturing	<1	757	796	2,743
Nonupholstered wood household furniture manufacturing	<1	67	71	234
Other household nonupholstered furniture manufacturing	<1	51	63	269
Institutional furniture manufacturing	<1	41	42	131
Wood office furniture manufacturing	<1	<1	<1	2

## Appendix

Custom architectural woodwork and millwork	<1	7	7	21
Office furniture, except wood, manufacturing	<1	22	24	107
Showcase, partition, shelving, and locker manufacturing	<1	72	77	274
Mattress manufacturing	<1	92	117	669
Blind and shade manufacturing	<1	16	16	60
Surgical and medical instrument manufacturing	<1	203	318	711
Surgical appliance and supplies manufacturing	<1	214	421	1,048
Dental equipment and supplies manufacturing	<1	25	43	111
Ophthalmic goods manufacturing	<1	49	97	227
Dental laboratories	<1	134	154	299
Jewelry and silverware manufacturing	<1	158	265	716
Sporting and athletic goods manufacturing	<1	325	482	1,633
Doll, toy, and game manufacturing	<1	88	175	501
Office supplies (except paper) manufacturing	<1	256	401	1,168
Sign manufacturing	<1	700	671	1,602
Gasket, packing, and sealing device manufacturing	<1	71	81	201
Musical instrument manufacturing	<1	21	24	65
Fasteners, buttons, needles, and pins manufacturing	<1	8	9	26
Broom, brush, and mop manufacturing	<1	251	398	924
Burial casket manufacturing	<1	12	18	49
All other miscellaneous manufacturing	<1	333	473	1,286
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,210	6,481	15,881
Wholesale - Professional and commercial equipment and supplies	<1	15,069	22,504	41,470
Wholesale - Household appliances and electrical and electronic goods	<1	5,181	11,257	27,399
Wholesale - Machinery, equipment, and supplies	<1	7,426	12,820	24,643
Wholesale - Other durable goods merchant wholesalers	<1	11,304	18,938	42,045

## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	5,863	13,027	29,318
Wholesale - Grocery and related product wholesalers	<1	6,785	9,736	20,695
Wholesale - Petroleum and petroleum products	<1	1,193	15,391	19,548
Wholesale - Other nondurable goods merchant wholesalers	<1	18,410	36,466	72,741
Wholesale - Wholesale electronic markets and agents and brokers	<1	5,468	6,093	7,205
Retail - Motor vehicle and parts dealers	<1	11,217	15,863	23,076
Retail - Furniture and home furnishings stores	<1	5,048	6,778	11,632
Retail - Electronics and appliance stores	<1	5,099	4,838	8,372
Retail - Building material and garden equipment and supplies stores	<1	6,584	13,162	19,204
Retail - Food and beverage stores	<1	18,706	26,856	45,352
Retail - Health and personal care stores	<1	9,279	12,150	18,837
Retail - Gasoline stores	<1	5,456	12,563	25,044
Retail - Clothing and clothing accessories stores	<1	7,765	12,518	24,949
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,168	6,739	11,477
Retail - General merchandise stores	<1	16,316	24,768	41,889
Retail - Miscellaneous store retailers	<1	8,578	9,280	16,985
Retail - Nonstore retailers	<1	9,453	50,061	87,549
Air transportation	<1	2,237	6,153	12,527
Rail transportation	<1	2,041	6,213	10,693
Water transportation	<1	206	386	2,931
Truck transportation	<1	24,881	37,109	73,256
Transit and ground passenger transportation	<1	8,074	17,844	20,526
Pipeline transportation	<1	688	2,230	3,706
Scenic and sightseeing transportation and support activities for transportation	<1	14,130	12,543	20,097
Couriers and messengers	<1	8,282	14,670	18,125
Warehousing and storage	<1	15,628	17,110	31,167
Newspaper publishers	<1	1,885	2,921	4,671
Periodical publishers	<1	2,378	3,385	6,188
Book publishers	<1	1,794	4,223	9,846

## Appendix

Directory, mailing list, and other publishers	<1	495	1,013	2,049
Greeting card publishing	<1	48	133	256
Software publishers	<1	28,853	48,293	64,551
Motion picture and video industries	<1	1,646	2,350	9,416
Sound recording industries	<1	564	2,833	5,965
Radio and television broadcasting	<1	10,232	16,475	40,367
Cable and other subscription programming	<1	604	3,807	8,898
Wired telecommunications carriers	<1	6,918	20,287	34,736
Wireless telecommunications carriers (except satellite)	<1	1,194	13,491	30,397
Satellite, telecommunications resellers, and all other telecommunications	<1	1,366	2,155	4,580
Data processing, hosting, and related services	<1	23,476	52,604	128,625
News syndicates, libraries, archives and all other information services	<1	579	840	1,977
Internet publishing and broadcasting and web search portals	<1	4,820	12,544	45,261
Nondepository credit intermediation and related activities	<1	10,239	11,028	17,826
Securities and commodity contracts intermediation and brokerage	<1	28,254	18,503	37,313
Monetary authorities and depository credit intermediation	<1	55,421	158,718	253,252
Other financial investment activities	<1	28,779	30,400	70,773
Direct life insurance carriers	<1	11,400	25,357	32,250
Insurance carriers, except direct life	<1	24,345	89,440	164,577
Insurance agencies, brokerages, and related activities	<1	18,811	33,621	74,432
Funds, trusts, and other financial vehicles	<1	4,427	5,241	22,582
Other real estate	2	71,469	231,032	531,417
Tenant-occupied housing	<1	6,434	57,089	62,637
Owner-occupied dwellings	0	0	253,152	305,513
Automotive equipment rental and leasing	<1	2,497	7,900	11,146

## Appendix

General and consumer goods rental except video tapes and discs	<1	2,709	4,971	7,698
Video tape and disc rental	<1	915	1,515	2,513
Commercial and industrial machinery and equipment rental and leasing	<1	2,386	5,721	8,136
Lessors of nonfinancial intangible assets	<1	1,054	17,645	19,329
Legal services	<1	77,368	132,286	182,163
Accounting, tax preparation, bookkeeping, and payroll services	<1	21,867	28,611	44,669
Architectural, engineering, and related services	<1	37,263	41,416	75,321
Specialized design services	<1	2,091	3,660	6,333
Custom computer programming services	<1	11,314	12,368	17,195
Computer systems design services	<1	14,606	14,455	18,549
Other computer related services, including facilities management	<1	4,714	7,069	12,931
Management consulting services	<1	88,614	91,669	144,713
Environmental and other technical consulting services	<1	9,278	10,449	17,244
Scientific research and development services	18	1,697,317	2,209,608	4,384,058
Advertising, public relations, and related services	<1	21,734	34,588	74,944
Photographic services	<1	676	1,811	3,790
Veterinary services	<1	3,101	3,538	5,452
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	16,933	29,575	66,604
Management of companies and enterprises	1	177,508	204,879	323,373
Office administrative services	<1	24,057	7,494	22,230
Facilities support services	<1	998	1,318	2,802
Employment services	2	111,966	150,205	243,989
Business support services	<1	9,960	8,574	15,135
Travel arrangement and reservation services	<1	3,970	5,993	18,730
Investigation and security services	<1	5,256	5,350	7,742
Services to buildings	<1	13,286	18,207	39,998
Landscape and horticultural services	<1	10,600	12,746	23,508
Other support services	<1	5,570	6,935	15,135
Waste management and remediation services	<1	5,882	9,183	19,194

## Appendix

Elementary and secondary schools	<1	6,261	4,789	5,861
Junior colleges, colleges, universities, and professional schools	2	114,757	138,287	184,659
Other educational services	<1	5,039	5,655	11,724
Offices of physicians	<1	87,406	88,878	120,227
Offices of dentists	<1	16,551	20,889	26,905
Offices of other health practitioners	<1	11,427	19,267	24,243
Outpatient care centers	<1	16,826	16,826	25,232
Medical and diagnostic laboratories	<1	6,600	11,952	14,922
Home health care services	<1	9,479	9,574	12,261
Other ambulatory health care services	<1	3,937	4,916	7,815
Hospitals	1	127,808	154,504	290,776
Nursing and community care facilities	<1	19,434	20,723	34,349
Residential mental retardation, mental health, substance abuse and other facilities	<1	8,932	9,141	13,480
Individual and family services	<1	29,851	26,858	37,562
Child day care services	<1	8,888	14,375	18,225
Community food, housing, and other relief services, including rehabilitation services	<1	7,734	7,259	15,937
Performing arts companies	<1	1,679	3,839	6,216
Commercial Sports Except Racing	<1	7,188	8,080	11,058
Racing and Track Operation	<1	417	715	1,332
Independent artists, writers, and performers	<1	1,163	4,947	6,374
Promoters of performing arts and sports and agents for public figures	<1	1,711	6,268	11,745
Museums, historical sites, zoos, and parks	<1	925	1,179	2,152
Amusement parks and arcades	<1	259	552	667
Gambling industries (except casino hotels)	<1	2,415	6,752	9,733
Other amusement and recreation industries	<1	4,085	4,573	6,725
Fitness and recreational sports centers	<1	2,075	2,607	4,643
Bowling centers	<1	482	644	1,242
Hotels and motels, including casino hotels	<1	3,258	5,776	9,423
Other accommodations	<1	1,254	1,520	1,976



## Appendix

Full-service restaurants	1	32,396	45,994	92,890
Limited-service restaurants	<1	23,944	35,872	83,422
All other food and drinking places	<1	26,653	35,446	59,945
Automotive repair and maintenance, except car washes	<1	24,023	28,011	40,037
Car washes	<1	10,985	15,995	23,825
Electronic and precision equipment repair and maintenance	<1	7,156	9,464	14,869
Commercial and industrial machinery and equipment repair and maintenance	<1	10,059	11,527	16,914
Personal and household goods repair and maintenance	<1	2,562	4,961	7,018
Personal care services	<1	6,181	4,597	5,469
Death care services	<1	1,833	1,487	1,934
Dry-cleaning and laundry services	<1	4,370	3,323	4,063
Other personal services	<1	4,966	6,373	9,029
Religious organizations	<1	17,864	11,470	28,638
Grantmaking, giving, and social advocacy organizations	<1	6,391	21,762	31,180
Business and professional associations	<1	5,282	9,116	14,928
Labor and civic organizations	<1	4,642	15,199	27,276
Private households	<1	1,924	1,924	1,924
Postal service	<1	11,593	11,682	11,686
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	264	-1,163	141
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	2,078	108	750
Local government electric utilities	<1	669	1,680	3,656
Other local government enterprises	<1	14,363	25,224	67,120
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	273,781	320,287	586,118

## Investments in Climate Change Research and Technology

**Table 777: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	175	12,840,796	19,630,563	37,800,107
Oilseed farming	<1	7,822	35,812	44,747
Grain farming	<1	21,706	55,894	135,478
Vegetable and melon farming	<1	5,560	11,082	18,402
Fruit farming	<1	2,402	4,600	6,119
Tree nut farming	<1	4	9	12
Greenhouse, nursery, and floriculture production	<1	2,651	4,818	7,876
Tobacco farming	<1	46	63	95
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,239	3,823	6,448
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	8,210	24,427	54,891
Dairy cattle and milk production	<1	5,861	13,572	58,587
Poultry and egg production	<1	1,301	2,641	21,823
Animal production, except cattle and poultry and eggs	<1	8,742	26,407	29,349
Forestry, forest products, and timber tract production	<1	316	358	495

## Appendix

Commercial logging	<1	2,486	2,707	4,858
Commercial fishing	<1	54	1,050	1,060
Commercial hunting and trapping	<1	90	830	1,142
Support activities for agriculture and forestry	<1	20,291	20,884	22,677
Oil and gas extraction	<1	661	767	18,128
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,744	6,223	10,710
Sand and gravel mining	<1	2,157	3,776	6,984
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	76	112	215
Phosphate rock mining	<1	32	57	110
Other chemical and fertilizer mineral mining	<1	12	17	34
Other nonmetallic minerals	<1	209	365	688
Drilling oil and gas wells	<1	0	0	<1
Support activities for oil and gas operations	<1	3	3	11
Metal mining services	<1	7	10	230
Other nonmetallic minerals services	<1	2	4	38
Electric power generation - Hydroelectric	<1	267	817	1,815
Electric power generation - Fossil fuel	<1	11,189	54,763	128,536
Electric power generation - Nuclear	<1	3,474	8,523	17,301
Electric power generation - Solar	<1	15	41	74
Electric power generation - Wind	<1	129	1,543	2,746
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	281	1,061	3,081
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	25,214	115,443	257,238

## Appendix

Natural gas distribution	<1	5,578	24,606	48,717
Water, sewage and other systems	<1	1,415	3,571	5,975
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	44,758	59,908	153,557
Maintenance and repair construction of residential structures	<1	15,525	20,736	50,713
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	14	18	47
Dog and cat food manufacturing	<1	2,744	7,014	27,747
Other animal food manufacturing	<1	2,727	4,785	40,411
Flour milling	<1	769	1,617	9,354
Rice milling	0	0	0	0
Malt manufacturing	<1	868	1,497	8,455
Wet corn milling	<1	1,260	2,560	18,319
Soybean and other oilseed processing	<1	187	1,139	10,161
Fats and oils refining and blending	<1	7	19	229
Breakfast cereal manufacturing	<1	110	266	1,106
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	935	1,301	3,997

## Appendix

Chocolate and confectionery manufacturing from cacao beans	<1	643	937	3,622
Confectionery manufacturing from purchased chocolate	<1	814	1,169	5,417
Frozen fruits, juices and vegetables manufacturing	<1	2,352	4,774	18,318
Frozen specialties manufacturing	<1	4,403	6,009	22,047
Canned fruits and vegetables manufacturing	<1	3,417	6,404	22,644
Canned specialties	<1	1,034	2,338	9,154
Dehydrated food products manufacturing	<1	130	238	931
Cheese manufacturing	<1	15,487	21,885	203,377
Dry, condensed, and evaporated dairy product manufacturing	<1	2,512	5,964	35,970
Fluid milk manufacturing	<1	1,149	1,802	10,391
Creamery butter manufacturing	<1	514	1,756	9,204
Ice cream and frozen dessert manufacturing	<1	346	486	2,351
Frozen cakes and other pastries manufacturing	<1	1,338	1,950	3,925
Poultry processing	<1	7,862	9,543	39,739
Animal, except poultry, slaughtering	<1	6,584	7,993	64,076
Meat processed from carcasses	<1	11,543	11,043	80,267
Rendering and meat byproduct processing	<1	248	255	1,315
Seafood product preparation and packaging	<1	33	46	405
Bread and bakery product, except frozen, manufacturing	<1	6,488	9,370	23,135
Cookie and cracker manufacturing	<1	1,374	1,905	6,871
Dry pasta, mixes, and dough manufacturing	<1	553	1,250	5,091
Tortilla manufacturing	<1	171	228	782
Roasted nuts and peanut butter manufacturing	<1	568	1,173	4,097
Other snack food manufacturing	<1	1,873	4,802	16,924
Coffee and tea manufacturing	<1	481	871	5,714
Flavoring syrup and concentrate manufacturing	<1	582	4,082	9,468
Mayonnaise, dressing, and sauce manufacturing	<1	897	1,715	6,532
Spice and extract manufacturing	<1	1,374	2,186	9,447
All other food manufacturing	<1	3,004	4,208	16,125
Bottled and canned soft drinks & water	<1	2,514	4,460	20,125
Manufactured ice	<1	238	168	834

## Appendix

Breweries	<1	4,880	9,311	22,046
Wineries	<1	826	1,512	7,680
Distilleries	<1	291	1,449	4,252
Tobacco product manufacturing	<1	18	686	1,496
Fiber, yarn, and thread mills	<1	55	76	225
Broadwoven fabric mills	<1	359	569	1,856
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	1,204	2,339	8,677
Knit fabric mills	<1	54	80	212
Textile and fabric finishing mills	<1	27	40	169
Fabric coating mills	<1	53	75	307
Carpet and rug mills	<1	144	239	1,062
Curtain and linen mills	<1	20	29	113
Textile bag and canvas mills	<1	384	581	1,638
Rope, cordage, twine, tire cord and tire fabric mills	<1	87	152	423
Other textile product mills	<1	602	780	2,283
Hosiery and sock mills	<1	45	50	157
Other apparel knitting mills	<1	51	61	188
Cut and sew apparel contractors	<1	44	58	132
Men's and boys' cut and sew apparel manufacturing	<1	57	63	238
Women's and girls' cut and sew apparel manufacturing	<1	60	66	454
Other cut and sew apparel manufacturing	<1	33	40	166
Apparel accessories and other apparel manufacturing	<1	17	23	80
Leather and hide tanning and finishing	<1	223	240	1,077
Footwear manufacturing	<1	173	176	644
Other leather and allied product manufacturing	<1	77	76	218
Sawmills	<1	2,051	3,147	14,843
Wood preservation	<1	245	535	2,176
Veneer and plywood manufacturing	<1	1,010	1,440	6,072
Engineered wood member and truss manufacturing	<1	750	1,060	3,863
Reconstituted wood product manufacturing	<1	561	1,296	5,770
Wood windows and door manufacturing	<1	4,981	6,048	19,979
Cut stock, resawing lumber, and planing	<1	373	634	2,252

## Appendix

Other millwork, including flooring	<1	1,502	2,103	7,355
Wood container and pallet manufacturing	<1	1,931	2,385	7,744
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	308	448	1,510
All other miscellaneous wood product manufacturing	<1	808	1,041	3,770
Pulp mills	<1	10	17	66
Paper mills	<1	11,080	30,348	93,561
Paperboard mills	<1	1,824	4,308	15,386
Paperboard container manufacturing	<1	7,509	12,540	50,614
Paper bag and coated and treated paper manufacturing	<1	8,427	14,625	48,372
Stationery product manufacturing	<1	568	767	3,167
Sanitary paper product manufacturing	<1	5,382	17,819	52,641
All other converted paper product manufacturing	<1	3,067	5,806	17,130
Printing	<1	55,895	84,000	162,684
Support activities for printing	<1	1,266	1,875	2,784
Petroleum refineries	<1	690	2,891	25,559
Asphalt paving mixture and block manufacturing	<1	163	197	1,198
Asphalt shingle and coating materials manufacturing	<1	439	860	2,988
Petroleum lubricating oil and grease manufacturing	<1	612	1,020	3,704
All other petroleum and coal products manufacturing	<1	668	1,267	5,527
Petrochemical manufacturing	<1	447	3,614	18,124
Industrial gas manufacturing	<1	522	1,200	6,053
Synthetic dye and pigment manufacturing	<1	386	577	1,884
Other basic inorganic chemical manufacturing	<1	1,171	1,961	6,721
Other basic organic chemical manufacturing	<1	5,042	9,582	80,153
Plastics material and resin manufacturing	<1	854	1,286	11,637
Synthetic rubber manufacturing	<1	27	38	300
Artificial and synthetic fibers and filaments manufacturing	<1	0	<1	7
Nitrogenous fertilizer manufacturing	<1	78	214	1,168

Appendix

Phosphatic fertilizer manufacturing	<1	14	31	157
Fertilizer mixing	<1	206	338	1,398
Pesticide and other agricultural chemical manufacturing	<1	1,073	2,833	16,208
Medicinal and botanical manufacturing	<1	521	693	2,439
Pharmaceutical preparation manufacturing	<1	2,166	4,446	15,933
In-vitro diagnostic substance manufacturing	<1	232	295	739
Biological product (except diagnostic) manufacturing	<1	2,229	5,220	13,440
Paint and coating manufacturing	<1	1,722	2,740	12,873
Adhesive manufacturing	<1	308	420	1,928
Soap and other detergent manufacturing	<1	84	174	698
Polish and other sanitation good manufacturing	<1	12,898	17,323	42,058
Surface active agent manufacturing	<1	294	890	2,912
Toilet preparation manufacturing	<1	92	206	962
Printing ink manufacturing	<1	526	559	2,031
Explosives manufacturing	<1	77	84	284
Custom compounding of purchased resins	<1	293	404	2,023
Photographic film and chemical manufacturing	<1	147	273	1,438
Other miscellaneous chemical product manufacturing	<1	1,142	1,571	8,312
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	5,077	7,556	29,543
Unlaminated plastics profile shape manufacturing	<1	1,051	2,105	8,059
Plastics pipe and pipe fitting manufacturing	<1	291	698	2,761
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	109	165	553
Polystyrene foam product manufacturing	<1	594	955	4,415
Urethane and other foam product (except polystyrene) manufacturing	<1	904	1,404	5,959
Plastics bottle manufacturing	<1	425	615	2,864
Other plastics product manufacturing	<1	16,848	23,199	81,538
Tire manufacturing	<1	175	216	1,123



## Appendix

Rubber and plastics hoses and belting manufacturing	<1	228	333	1,080
Other rubber product manufacturing	<1	5,646	6,859	25,997
Pottery, ceramics, and plumbing fixture manufacturing	<1	118	195	554
Brick, tile, and other structural clay product manufacturing	<1	18	33	79
Flat glass manufacturing	<1	630	1,314	2,975
Other pressed and blown glass and glassware manufacturing	<1	33	58	213
Glass container manufacturing	<1	252	419	1,017
Glass product manufacturing made of purchased glass	<1	3,103	5,930	14,582
Cement manufacturing	<1	7	18	61
Ready-mix concrete manufacturing	<1	3,326	5,747	18,432
Concrete block and brick manufacturing	<1	279	529	1,307
Concrete pipe manufacturing	<1	178	316	975
Other concrete product manufacturing	<1	1,541	2,419	5,967
Lime manufacturing	<1	431	1,030	2,931
Gypsum product manufacturing	<1	155	481	1,338
Abrasive product manufacturing	<1	443	1,034	1,842
Cut stone and stone product manufacturing	<1	926	1,249	2,726
Ground or treated mineral and earth manufacturing	<1	484	1,241	2,402
Mineral wool manufacturing	<1	359	1,055	2,708
Miscellaneous nonmetallic mineral products manufacturing	<1	93	235	544
Iron and steel mills and ferroalloy manufacturing	<1	308	552	4,913
Iron, steel pipe and tube manufacturing from purchased steel	<1	334	504	2,961
Rolled steel shape manufacturing	<1	409	809	4,136
Steel wire drawing	<1	166	234	1,120
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	249	383	2,317
Other aluminum rolling, drawing and extruding	<1	156	193	1,238
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	<1	228	363	4,615
Nonferrous metal, except copper and aluminum, shaping	<1	81	90	358
Secondary processing of other nonferrous metals	<1	6	9	57
Ferrous metal foundries	<1	2,459	3,007	8,698
Nonferrous metal foundries	<1	1,827	2,061	5,560
Custom roll forming	<1	55	71	387
Crown and closure manufacturing and metal stamping	<1	1,640	1,985	6,854
Iron and steel forging	<1	1,444	1,798	6,634
Nonferrous forging	<1	195	230	945
Cutlery, utensil, pot, and pan manufacturing	<1	1,345	2,375	7,661
Handtool manufacturing	<1	1,168	1,639	4,576
Prefabricated metal buildings and components manufacturing	<1	690	929	3,356
Fabricated structural metal manufacturing	<1	1,764	2,326	8,447
Plate work manufacturing	<1	1,689	1,844	5,975
Metal window and door manufacturing	<1	1,723	2,173	7,129
Sheet metal work manufacturing	<1	1,907	2,371	7,209
Ornamental and architectural metal work manufacturing	<1	1,508	1,729	5,109
Power boiler and heat exchanger manufacturing	<1	157	194	622
Metal tank (heavy gauge) manufacturing	<1	230	265	932
Metal cans manufacturing	<1	892	1,405	8,536
Metal barrels, drums and pails manufacturing	<1	242	293	1,325
Hardware manufacturing	<1	1,181	1,564	5,813
Spring and wire product manufacturing	<1	961	1,167	4,018
Machine shops	<1	10,513	11,831	27,551
Turned product and screw, nut, and bolt manufacturing	<1	1,018	1,215	3,792
Metal heat treating	<1	664	805	2,234
Metal coating and nonprecious engraving	<1	1,538	2,297	8,107
Electroplating, anodizing, and coloring metal	<1	1,013	1,079	2,726
Valve and fittings, other than plumbing, manufacturing	<1	477	631	2,528
Plumbing fixture fitting and trim manufacturing	<1	527	988	3,612

## Appendix

Ball and roller bearing manufacturing	<1	155	220	652
Small arms ammunition manufacturing	<1	2,075	3,929	13,441
Ammunition, except for small arms, manufacturing	<1	48	52	136
Small arms, ordnance, and accessories manufacturing	<1	968	1,690	6,120
Fabricated pipe and pipe fitting manufacturing	<1	400	468	1,458
Other fabricated metal manufacturing	<1	12,741	15,689	46,959
Farm machinery and equipment manufacturing	<1	740	1,533	5,872
Lawn and garden equipment manufacturing	<1	276	516	1,882
Construction machinery manufacturing	<1	191	486	1,428
Mining machinery and equipment manufacturing	<1	34	54	134
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	33	38	111
Sawmill, woodworking, and paper machinery	<1	367	424	1,221
Printing machinery and equipment manufacturing	<1	28	31	96
All other industrial machinery manufacturing	<1	71	96	247
Optical instrument and lens manufacturing	<1	212	336	874
Photographic and photocopying equipment manufacturing	<1	27	35	115
Other commercial service industry machinery manufacturing	<1	276	492	1,505
Air purification and ventilation equipment manufacturing	<1	702	961	2,407
Heating equipment (except warm air furnaces) manufacturing	<1	208	353	1,123
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,445	2,771	7,679
Industrial mold manufacturing	<1	297	374	765
Special tool, die, jig, and fixture manufacturing	<1	194	275	529

## Appendix

Cutting tool and machine tool accessory manufacturing	<1	141	170	408
Machine tool manufacturing	<1	45	60	175
Rolling mill and other metalworking machinery manufacturing	<1	30	43	99
Turbine and turbine generator set units manufacturing	<1	6	7	20
Speed changer, industrial high-speed drive, and gear manufacturing	<1	962	1,494	4,093
Mechanical power transmission equipment manufacturing	<1	1,131	1,759	4,396
Other engine equipment manufacturing	<1	5,016	12,817	47,195
Pump and pumping equipment manufacturing	<1	104	194	568
Air and gas compressor manufacturing	<1	9	13	42
Elevator and moving stairway manufacturing	<1	18	24	88
Conveyor and conveying equipment manufacturing	<1	50	58	176
Overhead cranes, hoists, and monorail systems manufacturing	<1	24	48	160
Industrial truck, trailer, and stacker manufacturing	<1	19	35	95
Power-driven handtool manufacturing	<1	63	201	391
Welding and soldering equipment manufacturing	<1	71	118	380
Packaging machinery manufacturing	<1	95	151	385
Industrial process furnace and oven manufacturing	<1	128	163	305
Fluid power cylinder and actuator manufacturing	<1	253	389	1,008
Fluid power pump and motor manufacturing	<1	81	144	487
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	78	102	326
Electronic computer manufacturing	<1	51	65	360
Computer storage device manufacturing	<1	21	29	159
Computer terminals and other computer peripheral equipment manufacturing	<1	111	140	603
Telephone apparatus manufacturing	<1	82	117	559

## Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	3	11
Other communications equipment manufacturing	<1	55	74	249
Audio and video equipment manufacturing	<1	10	16	163
Printed circuit assembly (electronic assembly) manufacturing	<1	708	936	5,353
Bare printed circuit board manufacturing	<1	407	458	1,427
Semiconductor and related device manufacturing	<1	14	20	140
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	101	115	391
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	442	500	1,793
Electromedical and electrotherapeutic apparatus manufacturing	<1	35	47	137
Search, detection, and navigation instruments manufacturing	<1	9	12	33
Automatic environmental control manufacturing	<1	362	438	1,330
Industrial process variable instruments manufacturing	<1	79	99	327
Totalizing fluid meter and counting device manufacturing	<1	190	302	900
Electricity and signal testing instruments manufacturing	<1	12	14	52
Analytical laboratory instrument manufacturing	<1	13,142	18,588	46,202
Irradiation apparatus manufacturing	<1	74	107	344
Watch, clock, and other measuring and controlling device manufacturing	<1	37	46	174
Blank magnetic and optical recording media manufacturing	<1	162	454	4,544
Software and other prerecorded and record reproducing	<1	154	204	1,024
Electric lamp bulb and part manufacturing	<1	178	249	799
Lighting fixture manufacturing	<1	827	987	3,905
Small electrical appliance manufacturing	<1	522	888	3,548

## Appendix

Household cooking appliance manufacturing	<1	644	1,123	4,691
Household refrigerator and home freezer manufacturing	<1	777	1,283	4,886
Household laundry equipment manufacturing	<1	2,445	3,331	14,835
Other major household appliance manufacturing	<1	313	570	1,996
Power, distribution, and specialty transformer manufacturing	<1	94	119	334
Motor and generator manufacturing	<1	1,689	2,592	9,363
Switchgear and switchboard apparatus manufacturing	<1	301	455	1,597
Relay and industrial control manufacturing	<1	2,223	2,660	7,111
Storage battery manufacturing	<1	471	656	2,507
Primary battery manufacturing	<1	95	-306	225
Fiber optic cable manufacturing	<1	71	95	468
Other communication and energy wire manufacturing	<1	121	175	909
Wiring device manufacturing	<1	537	852	3,314
Carbon and graphite product manufacturing	<1	413	574	2,601
All other miscellaneous electrical equipment and component manufacturing	<1	29	32	110
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	400	2,206	8,395
Heavy duty truck manufacturing	<1	34	86	405
Motor vehicle body manufacturing	<1	123	184	616
Truck trailer manufacturing	<1	13	19	72
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,530	2,030	8,798
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,201	2,297	10,507
Motor vehicle electrical and electronic equipment manufacturing	<1	3,295	4,883	21,479
Motor vehicle transmission and power train parts manufacturing	<1	1,439	2,518	9,747
Motor vehicle seating and interior trim manufacturing	<1	213	278	1,443
Motor vehicle metal stamping	<1	1,036	1,472	6,423
Other motor vehicle parts manufacturing	<1	5,173	8,400	30,514

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,076	1,830	6,304
Aircraft manufacturing	<1	19	34	95
Aircraft engine and engine parts manufacturing	<1	21,800	44,882	109,378
Other aircraft parts and auxiliary equipment manufacturing	<1	25	36	79
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	19	21	87
Ship building and repairing	<1	132	180	427
Boat building	<1	1,381	2,058	6,983
Motorcycle, bicycle, and parts manufacturing	<1	3,415	12,520	22,783
Military armored vehicle, tank, and tank component manufacturing	<1	1,180	2,505	8,262
All other transportation equipment manufacturing	<1	384	811	4,028
Wood kitchen cabinet and countertop manufacturing	<1	1,438	1,595	4,571
Upholstered household furniture manufacturing	<1	2,402	2,523	8,612
Nonupholstered wood household furniture manufacturing	<1	231	244	830
Other household nonupholstered furniture manufacturing	<1	178	225	1,018
Institutional furniture manufacturing	<1	105	108	359
Wood office furniture manufacturing	<1	2	2	6
Custom architectural woodwork and millwork	<1	22	20	66
Office furniture, except wood, manufacturing	<1	57	70	294
Showcase, partition, shelving, and locker manufacturing	<1	277	313	1,115
Mattress manufacturing	<1	351	449	2,600
Blind and shade manufacturing	<1	67	67	244
Surgical and medical instrument manufacturing	<1	659	1,004	2,360
Surgical appliance and supplies manufacturing	<1	681	1,295	3,390

## Appendix

Dental equipment and supplies manufacturing	<1	82	135	352
Ophthalmic goods manufacturing	<1	204	387	921
Dental laboratories	<1	452	514	1,005
Jewelry and silverware manufacturing	<1	592	970	2,654
Sporting and athletic goods manufacturing	<1	1,228	1,787	6,378
Doll, toy, and game manufacturing	<1	293	542	1,627
Office supplies (except paper) manufacturing	<1	757	1,142	3,774
Sign manufacturing	<1	2,647	2,493	6,123
Gasket, packing, and sealing device manufacturing	<1	279	313	803
Musical instrument manufacturing	<1	44	48	136
Fasteners, buttons, needles, and pins manufacturing	<1	20	23	63
Broom, brush, and mop manufacturing	<1	478	688	1,790
Burial casket manufacturing	<1	61	90	268
All other miscellaneous manufacturing	<1	1,188	1,651	4,690
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	10,421	21,264	51,447
Wholesale - Professional and commercial equipment and supplies	<1	56,744	85,128	157,316
Wholesale - Household appliances and electrical and electronic goods	<1	16,574	36,732	89,332
Wholesale - Machinery, equipment, and supplies	<1	27,556	48,216	92,634
Wholesale - Other durable goods merchant wholesalers	<1	37,451	63,498	140,686
Wholesale - Drugs and druggists'sundries	<1	19,035	43,472	99,445
Wholesale - Grocery and related product wholesalers	<1	23,187	33,801	71,996
Wholesale - Petroleum and petroleum products	<1	5,104	53,227	69,588
Wholesale - Other nondurable goods merchant wholesalers	<1	59,560	115,053	234,636
Wholesale - Wholesale electronic markets and agents and brokers	<1	18,572	20,884	24,986
Retail - Motor vehicle and parts dealers	<1	37,949	54,280	79,427
Retail - Furniture and home furnishings stores	<1	16,471	22,333	38,742



## Appendix

Retail - Electronics and appliance stores	<1	16,596	15,866	28,219
Retail - Building material and garden equipment and supplies stores	<1	21,235	43,526	63,835
Retail - Food and beverage stores	2	58,231	84,810	144,149
Retail - Health and personal care stores	<1	29,958	39,579	62,472
Retail - Gasoline stores	<1	18,317	43,853	88,780
Retail - Clothing and clothing accessories stores	<1	24,975	41,614	84,696
Retail - Sporting goods, hobby, musical instrument and book stores	<1	16,431	21,764	37,684
Retail - General merchandise stores	1	55,204	85,044	144,777
Retail - Miscellaneous store retailers	1	27,558	30,230	56,534
Retail - Nonstore retailers	1	30,528	163,418	286,555
Air transportation	<1	8,089	21,539	45,056
Rail transportation	<1	7,259	24,246	39,769
Water transportation	<1	702	1,204	10,127
Truck transportation	1	86,935	131,228	265,891
Transit and ground passenger transportation	<1	17,927	40,879	51,100
Pipeline transportation	<1	3,752	9,835	16,790
Scenic and sightseeing transportation and support activities for transportation	<1	49,088	45,342	71,532
Couriers and messengers	<1	24,806	46,933	57,896
Warehousing and storage	<1	52,575	57,145	105,838
Newspaper publishers	<1	5,484	7,547	12,937
Periodical publishers	<1	5,295	6,386	13,250
Book publishers	<1	4,722	9,530	24,309
Directory, mailing list, and other publishers	<1	1,716	3,164	6,668
Greeting card publishing	<1	155	386	754
Software publishers	<1	178,621	268,570	370,106
Motion picture and video industries	<1	4,858	6,864	29,398
Sound recording industries	<1	1,661	8,125	18,139
Radio and television broadcasting	<1	30,460	49,008	136,046
Cable and other subscription programming	<1	1,629	9,756	24,574
Wired telecommunications carriers	<1	24,563	69,232	122,246

## Appendix

Wireless telecommunications carriers (except satellite)	<1	4,390	42,616	104,032
Satellite, telecommunications resellers, and all other telecommunications	<1	4,741	8,028	16,525
Data processing, hosting, and related services	<1	56,654	125,194	318,601
News syndicates, libraries, archives and all other information services	<1	1,684	2,435	5,815
Internet publishing and broadcasting and web search portals	<1	14,791	38,505	142,537
Nondepository credit intermediation and related activities	<1	32,880	35,213	58,765
Securities and commodity contracts intermediation and brokerage	1	83,144	57,151	130,317
Monetary authorities and depository credit intermediation	2	212,740	523,471	897,574
Other financial investment activities	1	73,620	77,712	207,652
Direct life insurance carriers	<1	39,142	84,888	114,086
Insurance carriers, except direct life	<1	80,623	287,257	562,691
Insurance agencies, brokerages, and related activities	<1	68,526	121,682	278,744
Funds, trusts, and other financial vehicles	<1	12,905	14,448	71,494
Other real estate	8	225,884	741,994	1,784,169
Tenant-occupied housing	<1	19,902	174,430	193,611
Owner-occupied dwellings	0	0	796,525	967,244
Automotive equipment rental and leasing	<1	8,239	24,714	36,408
General and consumer goods rental except video tapes and discs	<1	9,164	16,939	26,685
Video tape and disc rental	<1	3,058	5,120	8,471
Commercial and industrial machinery and equipment rental and leasing	<1	8,267	19,170	27,909
Lessors of nonfinancial intangible assets	<1	4,090	58,703	64,772
Legal services	3	285,717	466,771	657,207
Accounting, tax preparation, bookkeeping, and payroll services	<1	71,585	91,514	148,286
Architectural, engineering, and related services	2	134,280	147,972	274,165
Specialized design services	<1	6,150	10,524	19,234

## Appendix

Custom computer programming services	<1	33,726	36,968	52,997
Computer systems design services	<1	44,279	43,749	57,300
Other computer related services, including facilities management	<1	13,261	20,016	37,097
Management consulting services	3	287,038	296,024	485,245
Environmental and other technical consulting services	<1	28,456	31,658	54,025
Scientific research and development services	61	5,663,028	7,577,796	15,081,817
Advertising, public relations, and related services	<1	66,663	104,435	235,745
Photographic services	<1	2,411	5,928	13,497
Veterinary services	<1	9,910	11,167	17,624
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	47,505	81,885	190,264
Management of companies and enterprises	4	563,024	647,749	1,056,478
Office administrative services	<1	64,691	18,646	61,667
Facilities support services	<1	3,592	4,622	10,542
Employment services	8	371,218	485,417	854,151
Business support services	<1	36,881	31,167	59,010
Travel arrangement and reservation services	<1	13,432	20,048	65,486
Investigation and security services	<1	17,576	17,844	26,927
Services to buildings	1	44,414	59,298	137,245
Landscape and horticultural services	<1	34,025	40,314	77,910
Other support services	<1	18,324	22,543	51,806
Waste management and remediation services	<1	20,225	32,023	67,482
Elementary and secondary schools	<1	16,366	12,602	15,717
Junior colleges, colleges, universities, and professional schools	6	364,839	444,570	591,956
Other educational services	<1	14,571	16,225	34,666
Offices of physicians	2	279,645	283,359	389,070
Offices of dentists	<1	51,976	64,414	84,401
Offices of other health practitioners	<1	38,118	61,864	79,284
Outpatient care centers	<1	52,541	52,315	77,906
Medical and diagnostic laboratories	<1	21,403	37,377	47,878
Home health care services	<1	28,503	28,664	37,214

## Appendix

Other ambulatory health care services	<1	12,385	15,213	24,689
Hospitals	4	340,160	406,910	770,132
Nursing and community care facilities	1	54,494	57,832	99,217
Residential mental retardation, mental health, substance abuse and other facilities	<1	22,002	22,471	34,216
Individual and family services	2	79,552	70,825	102,680
Child day care services	<1	25,584	39,858	52,007
Community food, housing, and other relief services, including rehabilitation services	<1	19,180	17,913	40,972
Performing arts companies	<1	4,738	10,648	18,558
Commercial Sports Except Racing	<1	23,117	23,153	33,485
Racing and Track Operation	<1	1,089	1,977	3,925
Independent artists, writers, and performers	<1	3,468	14,673	19,532
Promoters of performing arts and sports and agents for public figures	<1	4,918	18,063	36,526
Museums, historical sites, zoos, and parks	<1	2,532	3,183	6,053
Amusement parks and arcades	<1	797	1,679	2,068
Gambling industries (except casino hotels)	<1	7,043	19,358	28,499
Other amusement and recreation industries	<1	12,303	13,665	20,662
Fitness and recreational sports centers	<1	5,939	7,260	13,550
Bowling centers	<1	1,504	1,962	3,904
Hotels and motels, including casino hotels	<1	10,467	19,283	31,762
Other accommodations	<1	3,556	4,336	5,740
Full-service restaurants	4	103,541	148,736	306,904
Limited-service restaurants	3	76,992	116,708	280,699
All other food and drinking places	3	81,631	110,313	191,670
Automotive repair and maintenance, except car washes	1	75,495	92,507	133,134
Car washes	<1	35,911	53,013	79,659
Electronic and precision equipment repair and maintenance	<1	32,779	43,444	69,896
Commercial and industrial machinery and equipment repair and maintenance	<1	35,052	41,175	62,439
Personal and household goods repair and maintenance	<1	8,079	17,409	24,422

Appendix

Personal care services	<1	19,135	16,455	19,293
Death care services	<1	5,292	4,853	6,266
Dry-cleaning and laundry services	<1	14,267	12,488	15,081
Other personal services	<1	15,961	21,310	30,406
Religious organizations	<1	45,962	35,030	79,146
Grantmaking, giving, and social advocacy organizations	<1	14,996	60,422	84,772
Business and professional associations	<1	14,773	29,282	47,801
Labor and civic organizations	<1	11,507	45,122	77,753
Private households	<1	6,033	6,033	6,059
Postal service	<1	35,925	36,176	36,450
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	788	-3,420	408
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	5,942	574	3,053
Local government electric utilities	<1	2,496	7,167	15,379
Other local government enterprises	<1	53,849	126,499	289,166
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	9,663	49,370	90,347

## Wyoming

## NASA

Table 778: Detailed NASA Impacts by Types of Impact, Wyoming

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>18</i>	<i>1,391,084</i>	<i>2,070,000</i>	<i>4,254,639</i>
Oilseed farming	<1	1	21	28
Grain farming	<1	440	278	3,149
Vegetable and melon farming	<1	11	23	39
Fruit farming	<1	7	14	20
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	26	43	62
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	149	239	374
All other crop farming	<1	351	553	870
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	142	762	2,073
Dairy cattle and milk production	<1	10	25	112
Poultry and egg production	<1	53	90	651
Animal production, except cattle and poultry and eggs	<1	1,312	5,604	6,417
Forestry, forest products, and timber tract production	<1	7	7	10
Commercial logging	<1	7	36	60
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	1	156	169
Support activities for agriculture and forestry	<1	600	665	864
Oil and gas extraction	<1	602	6,280	11,296
Coal mining	<1	1,564	5,413	6,797
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	125	362	538
Silver ore mining	<1	30	63	93
Uranium-radium-vanadium ore mining	<1	45	200	321
Other metal ore mining	<1	17	46	67
Stone mining and quarrying	<1	53	284	406
Sand and gravel mining	<1	133	316	477

## Appendix

Other clay, ceramic, refractory minerals mining	<1	14	38	59
Potash, soda, and borate mineral mining	<1	23	38	52
Phosphate rock mining	<1	13	28	38
Other chemical and fertilizer mineral mining	<1	29	52	73
Other nonmetallic minerals	<1	99	211	293
Drilling oil and gas wells	<1	<1	1	2
Support activities for oil and gas operations	<1	27	45	92
Metal mining services	<1	14	132	284
Other nonmetallic minerals services	<1	2	17	40
Electric power generation - Hydroelectric	<1	5	10	20
Electric power generation - Fossil fuel	<1	1,701	5,133	15,969
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	5	10	19
Electric power generation - Wind	<1	98	656	1,574
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	2,958	8,669	26,479
Natural gas distribution	<1	1,513	4,037	10,610
Water, sewage and other systems	<1	47	91	229
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0



Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,764	4,342	11,092
Maintenance and repair construction of residential structures	<1	1,326	1,956	4,835
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	14	20	286
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	2	1	34
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	6	7	102
Beet sugar manufacturing	<1	67	71	722
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	2	11
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	1	1	22
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	<1	<1	10
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	2	2	41
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1	1	19

## Appendix

Frozen cakes and other pastries manufacturing	<1	15	22	43
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	21	23	443
Meat processed from carcasses	<1	12	12	183
Rendering and meat byproduct processing	<1	<1	<1	2
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	39	54	154
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	7	8	47
Other snack food manufacturing	<1	6	8	47
Coffee and tea manufacturing	<1	2	2	24
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	2	2	19
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	138	149	951
Manufactured ice	<1	7	4	36
Breweries	<1	45	57	257
Wineries	<1	4	5	42
Distilleries	<1	15	38	145
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	18
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	0	0	3
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	0	0	5
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	1
Textile bag and canvas mills	<1	2	1	8
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0

## Appendix

Other textile product mills	<1	27	23	89
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	2
Men's and boys' cut and sew apparel manufacturing	<1	<1	<1	2
Women's and girls' cut and sew apparel manufacturing	<1	<1	0	3
Other cut and sew apparel manufacturing	<1	<1	<1	1
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	<1	0	0	4
Footwear manufacturing	<1	0	0	2
Other leather and allied product manufacturing	<1	<1	<1	8
Sawmills	<1	39	59	338
Wood preservation	<1	3	7	42
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	9	12	50
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	164	194	611
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	<1	12	15	62
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	8	12	52
All other miscellaneous wood product manufacturing	<1	5	6	30
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0

## Appendix

Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	286	393	1,246
Support activities for printing	<1	6	7	17
Petroleum refineries	<1	939	6,758	38,990
Asphalt paving mixture and block manufacturing	<1	10	14	82
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	49	129	491
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	118	289	749
Other basic organic chemical manufacturing	<1	40	109	596
Plastics material and resin manufacturing	<1	10	20	106
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	17	69	181
Phosphatic fertilizer manufacturing	<1	29	88	241
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	32	128	392
Medicinal and botanical manufacturing	<1	0	<1	1
Pharmaceutical preparation manufacturing	<1	2	9	35
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	<1	1	4
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0

## Appendix

Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	6	21	46
Printing ink manufacturing	<1	<1	<1	3
Explosives manufacturing	<1	5	5	19
Custom compounding of purchased resins	<1	4	8	23
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	14	23	74
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	5	24	66
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	3	9	29
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	43	87	293
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	21	33	107
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	44	85	184
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	<1	18	52	129
Ready-mix concrete manufacturing	<1	216	416	1,338
Concrete block and brick manufacturing	<1	6	13	41
Concrete pipe manufacturing	<1	5	10	32

## Appendix

Other concrete product manufacturing	<1	10	16	39
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	34	127	287
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	4	6	15
Ground or treated mineral and earth manufacturing	<1	11	34	77
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	12	19	87
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	4	4	10
Custom roll forming	<1	2	3	21
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	7	8	39
Nonferrous forging	<1	1	2	8
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	4	6	17
Prefabricated metal buildings and components manufacturing	<1	2	3	12

## Appendix

Fabricated structural metal manufacturing	<1	21	28	116
Plate work manufacturing	<1	<1	1	4
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	1	2	7
Ornamental and architectural metal work manufacturing	<1	3	4	17
Power boiler and heat exchanger manufacturing	<1	<1	<1	3
Metal tank (heavy gauge) manufacturing	<1	7	8	27
Metal cans manufacturing	<1	2	3	24
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	4	5	20
Machine shops	<1	92	101	226
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	<1	<1	1
Metal coating and nonprecious engraving	<1	<1	<1	4
Electroplating, anodizing, and coloring metal	<1	<1	<1	1
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	0	1	6
Ammunition, except for small arms, manufacturing	<1	0	0	<1
Small arms, ordnance, and accessories manufacturing	<1	24	39	147
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	<1
Other fabricated metal manufacturing	<1	7	8	35
Farm machinery and equipment manufacturing	<1	<1	<1	2
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	3	7	28
Mining machinery and equipment manufacturing	<1	<1	<1	1

Appendix

Oil and gas field machinery and equipment manufacturing	<1	9	11	44
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	1	2	9
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	0	0	4
Pump and pumping equipment manufacturing	<1	0	0	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0



Appendix

Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	0	0	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	<1	<1	2
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	4
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0

## Appendix

Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	0	<1	<1
Automatic environmental control manufacturing	<1	<1	2	5
Industrial process variable instruments manufacturing	<1	2	2	7
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	2
Electricity and signal testing instruments manufacturing	<1	0	0	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	2
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	<1	2	5	85
Software and other prerecorded and record reproducing	<1	<1	<1	1
Electric lamp bulb and part manufacturing	<1	0	0	<1
Lighting fixture manufacturing	<1	2	3	11
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	6	10	33
Switchgear and switchboard apparatus manufacturing	<1	3	5	14
Relay and industrial control manufacturing	<1	<1	<1	3
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0

## Appendix

Other communication and energy wire manufacturing	<1	<1	2	11
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	3	5	20
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	2	3	61
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2	2	7
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	52	54	235
Motor vehicle gasoline engine and engine parts manufacturing	<1	3	3	25
Motor vehicle electrical and electronic equipment manufacturing	<1	2	3	11
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	4	5	33
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	30	33	210
Aircraft manufacturing	<1	0	0	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	0	0	<1
Guided missile and space vehicle manufacturing	<1	<1	1	4
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0

## Appendix

Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	24	26	110
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	4
Other household nonupholstered furniture manufacturing	<1	<1	<1	7
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	0	0	<1
Surgical and medical instrument manufacturing	<1	1	2	9
Surgical appliance and supplies manufacturing	<1	0	0	2
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	<1	<1	2
Jewelry and silverware manufacturing	<1	3	5	19
Sporting and athletic goods manufacturing	<1	<1	1	13
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	1	1	12
Sign manufacturing	<1	44	42	220
Gasket, packing, and sealing device manufacturing	<1	1	1	7
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0

Appendix

Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	4	6	27
All other miscellaneous manufacturing	<1	2	3	16
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	748	1,340	3,900
Wholesale - Professional and commercial equipment and supplies	<1	707	995	2,168
Wholesale - Household appliances and electrical and electronic goods	<1	808	1,579	4,390
Wholesale - Machinery, equipment, and supplies	<1	2,234	3,502	7,328
Wholesale - Other durable goods merchant wholesalers	<1	1,612	2,631	6,357
Wholesale - Drugs and druggists'sundries	<1	435	866	2,640
Wholesale - Grocery and related product wholesalers	<1	1,581	2,111	5,354
Wholesale - Petroleum and petroleum products	<1	469	3,383	5,127
Wholesale - Other nondurable goods merchant wholesalers	<1	2,995	5,171	12,441
Wholesale - Wholesale electronic markets and agents and brokers	<1	271	296	366
Retail - Motor vehicle and parts dealers	<1	3,487	5,123	7,349
Retail - Furniture and home furnishings stores	<1	1,432	2,068	3,567
Retail - Electronics and appliance stores	<1	1,445	1,372	2,439
Retail - Building material and garden equipment and supplies stores	<1	1,869	3,738	5,490
Retail - Food and beverage stores	<1	4,926	7,084	11,580
Retail - Health and personal care stores	<1	1,639	2,204	3,777
Retail - Gasoline stores	<1	2,014	4,170	7,684
Retail - Clothing and clothing accessories stores	<1	1,514	2,710	5,852
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,342	1,961	3,475
Retail - General merchandise stores	<1	4,519	7,275	12,028
Retail - Miscellaneous store retailers	<1	2,921	3,302	5,841
Retail - Nonstore retailers	<1	3,057	12,523	24,698
Air transportation	<1	1,237	1,265	5,103

Appendix

Rail transportation	<1	423	4,077	4,726
Water transportation	<1	20	334	597
Truck transportation	<1	5,239	7,749	16,480
Transit and ground passenger transportation	<1	751	1,166	1,641
Pipeline transportation	<1	7,764	5,633	6,058
Scenic and sightseeing transportation and support activities for transportation	<1	8,110	7,446	10,245
Couriers and messengers	<1	2,068	4,342	5,207
Warehousing and storage	<1	1,519	1,601	3,032
Newspaper publishers	<1	1,189	2,631	3,952
Periodical publishers	<1	215	388	723
Book publishers	<1	73	284	478
Directory, mailing list, and other publishers	<1	88	297	447
Greeting card publishing	0	0	0	0
Software publishers	<1	1,212	2,950	4,155
Motion picture and video industries	<1	1,007	1,830	3,964
Sound recording industries	<1	32	237	558
Radio and television broadcasting	<1	1,556	2,410	10,590
Cable and other subscription programming	<1	270	1,769	5,644
Wired telecommunications carriers	<1	2,634	5,186	11,291
Wireless telecommunications carriers (except satellite)	<1	209	1,447	4,518
Satellite, telecommunications resellers, and all other telecommunications	<1	92	102	261
Data processing, hosting, and related services	<1	1,749	2,338	9,725
News syndicates, libraries, archives and all other information services	<1	262	302	693
Internet publishing and broadcasting and web search portals	<1	1,135	1,646	12,995
Nondepository credit intermediation and related activities	<1	1,860	2,055	3,427
Securities and commodity contracts intermediation and brokerage	<1	3,067	2,519	13,900
Monetary authorities and depository credit intermediation	<1	15,605	41,689	70,130

## Appendix

Other financial investment activities	<1	3,437	4,021	27,628
Direct life insurance carriers	<1	205	442	579
Insurance carriers, except direct life	<1	2,172	8,220	19,474
Insurance agencies, brokerages, and related activities	<1	3,434	5,852	16,466
Funds, trusts, and other financial vehicles	<1	1,734	2,255	16,065
Other real estate	1	31,468	72,212	232,180
Tenant-occupied housing	<1	2,186	17,206	19,240
Owner-occupied dwellings	0	0	75,889	91,586
Automotive equipment rental and leasing	<1	519	1,720	2,557
General and consumer goods rental except video tapes and discs	<1	887	1,516	2,572
Video tape and disc rental	<1	279	466	782
Commercial and industrial machinery and equipment rental and leasing	<1	954	2,921	4,078
Lessors of nonfinancial intangible assets	<1	141	4,144	4,428
Legal services	<1	18,289	25,361	42,459
Accounting, tax preparation, bookkeeping, and payroll services	<1	5,024	6,448	11,386
Architectural, engineering, and related services	<1	7,996	8,791	18,012
Specialized design services	<1	458	771	1,268
Custom computer programming services	<1	1,276	1,258	1,864
Computer systems design services	<1	1,793	1,505	2,113
Other computer related services, including facilities management	<1	688	780	1,834
Management consulting services	<1	28,042	28,899	48,521
Environmental and other technical consulting services	<1	5,231	5,827	10,360
Scientific research and development services	7	539,857	671,615	1,531,806
Advertising, public relations, and related services	<1	2,458	4,168	10,578
Photographic services	<1	126	310	826
Veterinary services	<1	861	973	1,623
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	8,203	13,768	31,829
Management of companies and enterprises	<1	15,685	18,585	32,510

## Appendix

Office administrative services	<1	6,345	2,848	7,790
Facilities support services	<1	162	219	718
Employment services	<1	19,154	26,159	45,899
Business support services	<1	1,982	1,779	3,413
Travel arrangement and reservation services	<1	360	566	2,326
Investigation and security services	<1	1,199	1,214	1,883
Services to buildings	<1	2,274	3,174	8,085
Landscape and horticultural services	<1	2,773	3,361	7,117
Other support services	<1	1,315	1,635	4,026
Waste management and remediation services	<1	1,276	2,059	4,710
Elementary and secondary schools	<1	884	775	972
Junior colleges, colleges, universities, and professional schools	<1	814	1,056	1,665
Other educational services	<1	1,589	1,761	3,953
Offices of physicians	<1	11,796	11,832	17,326
Offices of dentists	<1	4,094	4,503	6,527
Offices of other health practitioners	<1	2,925	3,704	4,982
Outpatient care centers	<1	3,391	3,312	5,566
Medical and diagnostic laboratories	<1	1,093	1,437	1,999
Home health care services	<1	722	713	922
Other ambulatory health care services	<1	989	1,079	1,671
Hospitals	<1	10,744	12,347	23,133
Nursing and community care facilities	<1	3,115	3,253	5,330
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,765	1,808	2,644
Individual and family services	<1	5,714	4,868	7,105
Child day care services	<1	2,447	3,209	4,435
Community food, housing, and other relief services, including rehabilitation services	<1	1,398	1,312	2,945
Performing arts companies	<1	314	648	1,750
Commercial Sports Except Racing	<1	42	54	121
Racing and Track Operation	<1	64	152	390
Independent artists, writers, and performers	<1	514	2,136	4,499



## Appendix

Promoters of performing arts and sports and agents for public figures	<1	983	2,895	10,346
Museums, historical sites, zoos, and parks	<1	305	381	681
Amusement parks and arcades	<1	21	73	85
Gambling industries (except casino hotels)	<1	976	2,869	3,944
Other amusement and recreation industries	<1	1,078	1,564	2,090
Fitness and recreational sports centers	<1	365	834	1,214
Bowling centers	<1	125	260	387
Hotels and motels, including casino hotels	<1	375	847	1,245
Other accommodations	<1	78	84	115
Full-service restaurants	<1	10,207	13,922	29,556
Limited-service restaurants	<1	7,002	10,569	26,120
All other food and drinking places	<1	6,424	11,551	18,389
Automotive repair and maintenance, except car washes	<1	7,607	8,393	12,377
Car washes	<1	3,614	5,280	7,917
Electronic and precision equipment repair and maintenance	<1	829	1,038	1,912
Commercial and industrial machinery and equipment repair and maintenance	<1	3,207	2,916	4,752
Personal and household goods repair and maintenance	<1	477	894	1,363
Personal care services	<1	1,646	1,255	1,546
Death care services	<1	500	415	595
Dry-cleaning and laundry services	<1	1,082	848	1,110
Other personal services	<1	1,297	1,674	2,497
Religious organizations	<1	3,289	1,749	5,544
Grantmaking, giving, and social advocacy organizations	<1	1,335	4,054	5,968
Business and professional associations	<1	1,137	1,857	3,394
Labor and civic organizations	<1	779	2,301	4,410
Private households	<1	350	350	350
Postal service	<1	2,664	2,675	2,676
Federal electric utilities	<1	65	146	422
Other federal government enterprises	<1	102	-159	112
State government passenger transit	0	0	0	0

## Appendix

State government electric utilities	0	0	0	0
Other state government enterprises	<1	68	95	169
Local government passenger transit	<1	338	-15	81
Local government electric utilities	<1	2	5	15
Other local government enterprises	<1	6,505	13,056	30,976
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	430,778	650,083	1,189,636

## Moon to Mars Campaign

**Table 779: Detailed M2M Campaign Impacts by Types of Impact, Wyoming**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	2	252,226	340,326	629,511
Oilseed farming	<1	0	1	1
Grain farming	<1	32	22	233
Vegetable and melon farming	<1	2	5	8
Fruit farming	<1	2	4	5
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	4	7	9
Tobacco farming	0	0	0	0

## Appendix

Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	20	31	49
All other crop farming	<1	43	69	105
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	9	60	151
Dairy cattle and milk production	<1	1	3	11
Poultry and egg production	<1	7	12	79
Animal production, except cattle and poultry and eggs	<1	73	334	391
Forestry, forest products, and timber tract production	<1	<1	<1	<1
Commercial logging	<1	<1	3	5
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	24	24
Support activities for agriculture and forestry	<1	23	26	34
Oil and gas extraction	<1	53	470	1,019
Coal mining	<1	67	230	292
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	24	68	102
Silver ore mining	<1	3	5	7
Uranium-radium-vanadium ore mining	<1	<1	1	2
Other metal ore mining	<1	<1	<1	1
Stone mining and quarrying	<1	3	14	20
Sand and gravel mining	<1	4	9	14
Other clay, ceramic, refractory minerals mining	<1	<1	3	4
Potash, soda, and borate mineral mining	<1	3	4	6
Phosphate rock mining	<1	1	3	4
Other chemical and fertilizer mineral mining	<1	3	5	6
Other nonmetallic minerals	<1	5	9	12
Drilling oil and gas wells	<1	0	<1	<1
Support activities for oil and gas operations	<1	1	2	4
Metal mining services	<1	<1	3	7
Other nonmetallic minerals services	<1	<1	<1	1
Electric power generation - Hydroelectric	<1	<1	<1	2

## Appendix

Electric power generation - Fossil fuel	<1	148	409	1,250
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	<1	<1	2
Electric power generation - Wind	<1	5	31	73
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	222	607	1,837
Natural gas distribution	<1	207	510	1,275
Water, sewage and other systems	<1	7	12	30
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	154	257	614
Maintenance and repair construction of residential structures	<1	220	336	788
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	1	2	25
Flour milling	0	0	0	0

## Appendix

Rice milling	0	0	0	0
Malt manufacturing	<1	0	0	7
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	2	2	25
Beet sugar manufacturing	<1	26	27	277
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	2
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	<1	<1	5
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	0	0	3
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	<1	<1	8
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	3
Frozen cakes and other pastries manufacturing	<1	3	4	8
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	3	4	72
Meat processed from carcasses	<1	2	2	28
Rendering and meat byproduct processing	<1	<1	<1	<1
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	7	10	28
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0

## Appendix

Roasted nuts and peanut butter manufacturing	<1	1	2	9
Other snack food manufacturing	<1	1	1	8
Coffee and tea manufacturing	<1	<1	<1	5
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	4
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	20	22	140
Manufactured ice	<1	1	<1	6
Breweries	<1	9	12	53
Wineries	<1	1	1	10
Distilleries	<1	2	6	22
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	3
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	0	0	<1
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	0	0	3
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	<1	<1	<1
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	4	4	13
Hosiery and sock mills	<1	0	<1	<1
Other apparel knitting mills	<1	0	0	<1
Cut and sew apparel contractors	<1	0	0	<1
Men's and boys' cut and sew apparel manufacturing	<1	0	0	<1
Women's and girls' cut and sew apparel manufacturing	<1	<1	0	<1
Other cut and sew apparel manufacturing	<1	0	0	<1
Apparel accessories and other apparel manufacturing	<1	0	0	<1
Leather and hide tanning and finishing	<1	0	0	<1
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	<1	<1	0	1

## Appendix

Sawmills	<1	3	5	26
Wood preservation	<1	<1	<1	3
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	<1	<1	4
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	6	7	22
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	<1	2	2	9
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	<1	1	6
All other miscellaneous wood product manufacturing	<1	<1	<1	3
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	18	25	77
Support activities for printing	<1	<1	<1	1
Petroleum refineries	<1	109	892	4,994
Asphalt paving mixture and block manufacturing	<1	<1	1	7
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	2	4	16
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0

## Appendix

Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	5	13	34
Other basic organic chemical manufacturing	<1	2	6	35
Plastics material and resin manufacturing	<1	<1	<1	4
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	<1	5	14
Phosphatic fertilizer manufacturing	<1	2	7	17
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	3	12	36
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	<1	3	8
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	<1	<1	<1
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	5	9
Printing ink manufacturing	<1	0	0	<1
Explosives manufacturing	<1	<1	<1	1
Custom compounding of purchased resins	<1	<1	<1	3
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	<1	2	5
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	<1	2	4



## Appendix

Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	<1	<1	2
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	3	7	22
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	<1	<1	3
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	1	2	4
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	<1	<1	3	7
Ready-mix concrete manufacturing	<1	10	18	59
Concrete block and brick manufacturing	<1	<1	<1	2
Concrete pipe manufacturing	<1	<1	<1	2
Other concrete product manufacturing	<1	<1	<1	2
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2	8	17
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	<1	<1	1
Ground or treated mineral and earth manufacturing	<1	<1	3	7
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	5

## Appendix

Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	0	0	<1
Custom roll forming	<1	<1	<1	3
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	<1	<1	2
Nonferrous forging	<1	<1	<1	1
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	1
Prefabricated metal buildings and components manufacturing	<1	<1	<1	<1
Fabricated structural metal manufacturing	<1	<1	<1	4
Plate work manufacturing	<1	<1	<1	<1
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	<1	<1	<1
Ornamental and architectural metal work manufacturing	<1	<1	<1	<1
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	1
Metal cans manufacturing	<1	<1	<1	4
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	1

## Appendix

Machine shops	<1	9	10	22
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	0	<1	<1
Metal coating and nonprecious engraving	<1	<1	<1	<1
Electroplating, anodizing, and coloring metal	<1	0	0	<1
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	0	0	<1
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3	7	23
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	<1	<1	2
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	<1	<1
Mining machinery and equipment manufacturing	<1	0	0	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	<1

## Appendix

Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0

Appendix

Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	0	0	<1
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	0	0	<1
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0

Appendix

Watch, clock, and other measuring and controlling device manufacturing	<1	0	0	<1
Blank magnetic and optical recording media manufacturing	<1	<1	<1	8
Software and other prerecorded and record reproducing	<1	0	0	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	0	0	<1
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	<1	<1	3
Switchgear and switchboard apparatus manufacturing	<1	0	0	<1
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	0	0	<1
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	0	0	<1
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	<1	<1	8
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	6	6	27

Appendix

Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	2
Motor vehicle electrical and electronic equipment manufacturing	<1	<1	<1	<1
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	<1	<1	3
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3	3	19
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	<1	0	0	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	1	2	7
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	<1
Other household nonupholstered furniture manufacturing	<1	<1	<1	1
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0

## Appendix

Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	<1	<1	2
Surgical appliance and supplies manufacturing	<1	0	0	<1
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	0	0	<1
Dental laboratories	<1	<1	<1	<1
Jewelry and silverware manufacturing	<1	<1	<1	3
Sporting and athletic goods manufacturing	<1	<1	<1	3
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	<1	1
Sign manufacturing	<1	2	2	12
Gasket, packing, and sealing device manufacturing	<1	<1	<1	<1
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	<1	<1	3
All other miscellaneous manufacturing	<1	<1	<1	2
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	98	171	502
Wholesale - Professional and commercial equipment and supplies	<1	87	122	260
Wholesale - Household appliances and electrical and electronic goods	<1	83	156	436
Wholesale - Machinery, equipment, and supplies	<1	129	199	418
Wholesale - Other durable goods merchant wholesalers	<1	185	300	724



## Appendix

Wholesale - Drugs and druggistsâ€™ sundries	<1	64	123	374
Wholesale - Grocery and related product wholesalers	<1	246	321	814
Wholesale - Petroleum and petroleum products	<1	48	465	678
Wholesale - Other nondurable goods merchant wholesalers	<1	393	705	1,656
Wholesale - Wholesale electronic markets and agents and brokers	<1	33	36	44
Retail - Motor vehicle and parts dealers	<1	517	774	1,100
Retail - Furniture and home furnishings stores	<1	234	343	581
Retail - Electronics and appliance stores	<1	232	228	392
Retail - Building material and garden equipment and supplies stores	<1	260	533	772
Retail - Food and beverage stores	<1	850	1,227	1,952
Retail - Health and personal care stores	<1	273	370	619
Retail - Gasoline stores	<1	333	654	1,150
Retail - Clothing and clothing accessories stores	<1	248	451	936
Retail - Sporting goods, hobby, musical instrument and book stores	<1	229	336	574
Retail - General merchandise stores	<1	719	1,176	1,896
Retail - Miscellaneous store retailers	<1	496	566	960
Retail - Nonstore retailers	<1	483	2,036	3,989
Air transportation	<1	167	187	715
Rail transportation	<1	38	349	420
Water transportation	<1	1	25	41
Truck transportation	<1	619	896	1,862
Transit and ground passenger transportation	<1	96	149	177
Pipeline transportation	<1	484	462	482
Scenic and sightseeing transportation and support activities for transportation	<1	395	352	481
Couriers and messengers	<1	245	488	588
Warehousing and storage	<1	197	208	384
Newspaper publishers	<1	81	195	281
Periodical publishers	<1	19	37	64
Book publishers	<1	6	24	38

## Appendix

Directory, mailing list, and other publishers	<1	6	21	30
Greeting card publishing	0	0	0	0
Software publishers	<1	133	357	476
Motion picture and video industries	<1	179	349	610
Sound recording industries	<1	4	36	73
Radio and television broadcasting	<1	147	213	805
Cable and other subscription programming	<1	39	217	620
Wired telecommunications carriers	<1	278	534	1,176
Wireless telecommunications carriers (except satellite)	<1	23	157	493
Satellite, telecommunications resellers, and all other telecommunications	<1	9	9	24
Data processing, hosting, and related services	<1	126	179	672
News syndicates, libraries, archives and all other information services	<1	39	47	93
Internet publishing and broadcasting and web search portals	<1	106	169	990
Nondepository credit intermediation and related activities	<1	280	310	500
Securities and commodity contracts intermediation and brokerage	<1	452	370	1,826
Monetary authorities and depository credit intermediation	<1	1,300	3,941	6,244
Other financial investment activities	<1	736	866	5,158
Direct life insurance carriers	<1	31	64	83
Insurance carriers, except direct life	<1	215	783	1,855
Insurance agencies, brokerages, and related activities	<1	347	580	1,607
Funds, trusts, and other financial vehicles	<1	327	406	2,768
Other real estate	<1	1,442	2,686	8,050
Tenant-occupied housing	<1	475	3,269	3,613
Owner-occupied dwellings	0	0	13,215	15,949
Automotive equipment rental and leasing	<1	57	190	280

## Appendix

General and consumer goods rental except video tapes and discs	<1	116	196	333
Video tape and disc rental	<1	47	78	129
Commercial and industrial machinery and equipment rental and leasing	<1	76	232	324
Lessors of nonfinancial intangible assets	<1	5	176	188
Legal services	<1	548	777	1,274
Accounting, tax preparation, bookkeeping, and payroll services	<1	354	475	815
Architectural, engineering, and related services	<1	155	174	349
Specialized design services	<1	41	74	114
Custom computer programming services	<1	89	87	127
Computer systems design services	<1	108	91	125
Other computer related services, including facilities management	<1	40	45	102
Management consulting services	<1	491	508	830
Environmental and other technical consulting services	<1	228	259	450
Scientific research and development services	<1	4,511	5,602	12,442
Advertising, public relations, and related services	<1	160	289	685
Photographic services	<1	11	30	74
Veterinary services	<1	137	159	258
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	173	309	673
Management of companies and enterprises	<1	644	772	1,309
Office administrative services	<1	239	104	276
Facilities support services	<1	7	9	31
Employment services	<1	583	792	1,343
Business support services	<1	104	93	170
Travel arrangement and reservation services	<1	31	47	176
Investigation and security services	<1	81	82	124
Services to buildings	<1	117	162	399
Landscape and horticultural services	<1	180	216	444
Other support services	<1	100	123	286
Waste management and remediation services	<1	89	142	324

## Appendix

Elementary and secondary schools	<1	160	137	170
Junior colleges, colleges, universities, and professional schools	<1	190	244	371
Other educational services	<1	275	305	669
Offices of physicians	<1	1,849	1,859	2,708
Offices of dentists	<1	712	800	1,151
Offices of other health practitioners	<1	480	634	845
Outpatient care centers	<1	671	659	1,087
Medical and diagnostic laboratories	<1	194	270	363
Home health care services	<1	121	120	152
Other ambulatory health care services	<1	166	185	280
Hospitals	<1	1,852	2,152	3,962
Nursing and community care facilities	<1	574	599	952
Residential mental retardation, mental health, substance abuse and other facilities	<1	334	342	489
Individual and family services	<1	1,209	1,066	1,523
Child day care services	<1	427	620	816
Community food, housing, and other relief services, including rehabilitation services	<1	305	288	612
Performing arts companies	<1	57	112	281
Commercial Sports Except Racing	<1	5	7	14
Racing and Track Operation	<1	12	26	65
Independent artists, writers, and performers	<1	54	203	410
Promoters of performing arts and sports and agents for public figures	<1	77	231	783
Museums, historical sites, zoos, and parks	<1	62	77	131
Amusement parks and arcades	<1	4	15	17
Gambling industries (except casino hotels)	<1	202	612	817
Other amusement and recreation industries	<1	180	262	343
Fitness and recreational sports centers	<1	64	154	214
Bowling centers	<1	21	46	65
Hotels and motels, including casino hotels	<1	61	129	189
Other accommodations	<1	20	21	28

## Appendix

Full-service restaurants	<1	1,387	1,891	3,875
Limited-service restaurants	<1	1,126	1,701	4,002
All other food and drinking places	<1	759	1,354	2,102
Automotive repair and maintenance, except car washes	<1	1,176	1,236	1,816
Car washes	<1	545	802	1,190
Electronic and precision equipment repair and maintenance	<1	42	52	93
Commercial and industrial machinery and equipment repair and maintenance	<1	228	206	329
Personal and household goods repair and maintenance	<1	45	78	120
Personal care services	<1	305	196	248
Death care services	<1	88	64	93
Dry-cleaning and laundry services	<1	101	68	91
Other personal services	<1	170	212	312
Religious organizations	<1	722	306	1,082
Grantmaking, giving, and social advocacy organizations	<1	337	828	1,245
Business and professional associations	<1	143	208	381
Labor and civic organizations	<1	171	417	810
Private households	<1	61	61	61
Postal service	<1	277	278	278
Federal electric utilities	<1	3	6	17
Other federal government enterprises	<1	15	-30	18
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	5	6	11
Local government passenger transit	<1	35	-1	6
Local government electric utilities	<1	<1	<1	1
Other local government enterprises	<1	646	978	2,593
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

## Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	207,051	256,725	469,800

## Investments in Climate Change Research and Technology

**Table 780: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming**

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	3	194,268	283,868	618,030
Oilseed farming	<1	0	3	3
Grain farming	<1	73	43	505
Vegetable and melon farming	<1	1	3	5
Fruit farming	<1	<1	2	3
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	4	7	10
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	26	44	67
All other crop farming	<1	65	103	162
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	41	199	519
Dairy cattle and milk production	<1	2	4	20
Poultry and egg production	<1	10	16	127
Animal production, except cattle and poultry and eggs	<1	274	1,042	1,160
Forestry, forest products, and timber tract production	<1	1	1	2

Appendix

Commercial logging	<1	1	7	13
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	25	28
Support activities for agriculture and forestry	<1	151	167	213
Oil and gas extraction	<1	118	1,291	2,271
Coal mining	<1	451	1,608	2,048
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	22	62	90
Silver ore mining	<1	7	14	21
Uranium-radium-vanadium ore mining	<1	15	80	123
Other metal ore mining	<1	5	12	18
Stone mining and quarrying	<1	9	57	80
Sand and gravel mining	<1	27	68	103
Other clay, ceramic, refractory minerals mining	<1	3	8	13
Potash, soda, and borate mineral mining	<1	4	7	10
Phosphate rock mining	<1	3	6	8
Other chemical and fertilizer mineral mining	<1	7	12	18
Other nonmetallic minerals	<1	22	50	68
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	5	9	18
Metal mining services	<1	3	40	81
Other nonmetallic minerals services	<1	<1	5	10
Electric power generation - Hydroelectric	<1	<1	1	3
Electric power generation - Fossil fuel	<1	287	927	2,894
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	<1	2	3
Electric power generation - Wind	<1	20	151	373
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	523	1,610	4,952

## Appendix

Natural gas distribution	<1	242	658	1,750
Water, sewage and other systems	<1	8	16	41
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	547	854	2,220
Maintenance and repair construction of residential structures	<1	192	284	715
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	3	4	62
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	0	0	4
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	<1	<1	10
Beet sugar manufacturing	<1	6	6	63
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0



## Appendix

Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	2
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	<1	<1	3
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	0	0	1
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	<1	<1	6
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	3
Frozen cakes and other pastries manufacturing	<1	2	3	7
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	3	4	71
Meat processed from carcasses	<1	2	2	30
Rendering and meat byproduct processing	<1	0	<1	<1
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	6	8	23
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	1	1	7
Other snack food manufacturing	<1	<1	1	8
Coffee and tea manufacturing	<1	<1	<1	4
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	3
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	23	25	159
Manufactured ice	<1	1	<1	6

## Appendix

Breweries	<1	6	8	35
Wineries	<1	<1	<1	6
Distilleries	<1	2	6	24
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	0	0	2
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	0	0	<1
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	0	0	1
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	0	0	<1
Textile bag and canvas mills	<1	<1	<1	2
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	5	4	16
Hosiery and sock mills	<1	0	<1	<1
Other apparel knitting mills	<1	0	0	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Men's and boys' cut and sew apparel manufacturing	<1	0	0	<1
Women's and girls' cut and sew apparel manufacturing	<1	0	0	<1
Other cut and sew apparel manufacturing	<1	0	0	<1
Apparel accessories and other apparel manufacturing	<1	0	0	<1
Leather and hide tanning and finishing	<1	0	0	1
Footwear manufacturing	<1	0	0	<1
Other leather and allied product manufacturing	<1	0	0	1
Sawmills	<1	9	13	73
Wood preservation	<1	<1	2	10
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	2	3	10
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	36	44	139
Cut stock, resawing lumber, and planing	0	0	0	0

## Appendix

Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	<1	2	3	10
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	1	2	9
All other miscellaneous wood product manufacturing	<1	<1	1	6
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	53	72	238
Support activities for printing	<1	1	1	3
Petroleum refineries	<1	193	1,362	7,799
Asphalt paving mixture and block manufacturing	<1	2	3	16
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	10	28	117
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	30	69	183
Other basic organic chemical manufacturing	<1	12	29	162
Plastics material and resin manufacturing	<1	3	5	26
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	3	11	33

## Appendix

Phosphatic fertilizer manufacturing	<1	8	23	64
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	7	28	86
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	<1	1	5
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	<1	<1	<1
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1	3	8
Printing ink manufacturing	<1	<1	<1	<1
Explosives manufacturing	<1	<1	1	3
Custom compounding of purchased resins	<1	<1	1	4
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	3	6	18
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	1	5	14
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	<1	2	6
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	9	17	60
Tire manufacturing	0	0	0	0

Appendix

Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	5	8	27
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	12	23	49
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	<1	4	10	26
Ready-mix concrete manufacturing	<1	45	89	281
Concrete block and brick manufacturing	<1	1	2	8
Concrete pipe manufacturing	<1	1	2	8
Other concrete product manufacturing	<1	2	4	9
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	7	28	63
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	<1	<1	3
Ground or treated mineral and earth manufacturing	<1	2	6	15
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	3	5	21
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0

## Appendix

Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	<1	<1	2
Custom roll forming	<1	<1	<1	3
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	2	2	10
Nonferrous forging	<1	<1	<1	2
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	3
Prefabricated metal buildings and components manufacturing	<1	<1	<1	2
Fabricated structural metal manufacturing	<1	5	7	29
Plate work manufacturing	<1	<1	<1	1
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	<1	<1	2
Ornamental and architectural metal work manufacturing	<1	<1	<1	4
Power boiler and heat exchanger manufacturing	<1	0	0	<1
Metal tank (heavy gauge) manufacturing	<1	1	1	5
Metal cans manufacturing	<1	<1	<1	4
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	1	4
Machine shops	<1	18	20	46
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	<1	<1	<1
Metal coating and nonprecious engraving	<1	<1	<1	<1
Electroplating, anodizing, and coloring metal	<1	<1	<1	<1
Valve and fittings, other than plumbing, manufacturing	<1	0	0	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0

## Appendix

Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	0	0	<1
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	4	5	22
Fabricated pipe and pipe fitting manufacturing	<1	0	0	<1
Other fabricated metal manufacturing	<1	1	2	7
Farm machinery and equipment manufacturing	<1	<1	<1	<1
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	<1	4
Mining machinery and equipment manufacturing	<1	0	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	3	3	13
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	<1	0	0	<1
Other commercial service industry machinery manufacturing	<1	<1	<1	2
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	0	0	<1
Special tool, die, jig, and fixture manufacturing	0	0	0	0

## Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	0	0	<1
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	0	0	<1
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	0	0	<1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	0	<1	<1
Telephone apparatus manufacturing	0	0	0	0



## Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	0	0	<1
Automatic environmental control manufacturing	<1	0	0	<1
Industrial process variable instruments manufacturing	<1	<1	<1	1
Totalizing fluid meter and counting device manufacturing	<1	0	0	<1
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	0	<1	<1
Blank magnetic and optical recording media manufacturing	<1	<1	<1	13
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	3
Small electrical appliance manufacturing	0	0	0	0

## Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	0	0	<1
Motor and generator manufacturing	<1	1	2	7
Switchgear and switchboard apparatus manufacturing	<1	<1	1	3
Relay and industrial control manufacturing	<1	0	0	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	0	<1	2
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	<1	1	5
All other miscellaneous electrical equipment and component manufacturing	<1	0	0	<1
Automobile manufacturing	<1	<1	<1	12
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	10	11	46
Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	5
Motor vehicle electrical and electronic equipment manufacturing	<1	<1	<1	3
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	<1	<1	7

## Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5	5	35
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	<1	<1	<1	2
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	5	6	25
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	<1
Other household nonupholstered furniture manufacturing	<1	<1	<1	1
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	<1	<1	1
Surgical appliance and supplies manufacturing	<1	0	0	<1

## Appendix

Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	0	0	<1
Dental laboratories	<1	0	<1	<1
Jewelry and silverware manufacturing	<1	<1	<1	3
Sporting and athletic goods manufacturing	<1	<1	<1	2
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	<1	2
Sign manufacturing	<1	9	9	46
Gasket, packing, and sealing device manufacturing	<1	<1	<1	1
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	<1	<1	5
All other miscellaneous manufacturing	<1	<1	<1	3
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	124	228	658
Wholesale - Professional and commercial equipment and supplies	<1	115	164	358
Wholesale - Household appliances and electrical and electronic goods	<1	142	286	796
Wholesale - Machinery, equipment, and supplies	<1	451	721	1,506
Wholesale - Other durable goods merchant wholesalers	<1	274	455	1,098
Wholesale - Drugs and druggists'sundries	<1	67	139	424
Wholesale - Grocery and related product wholesalers	<1	241	327	833
Wholesale - Petroleum and petroleum products	<1	90	596	912
Wholesale - Other nondurable goods merchant wholesalers	<1	478	835	2,020
Wholesale - Wholesale electronic markets and agents and brokers	<1	46	50	63
Retail - Motor vehicle and parts dealers	<1	535	794	1,143
Retail - Furniture and home furnishings stores	<1	206	301	525

Appendix

Retail - Electronics and appliance stores	<1	210	201	363
Retail - Building material and garden equipment and supplies stores	<1	285	583	859
Retail - Food and beverage stores	<1	697	1,017	1,676
Retail - Health and personal care stores	<1	234	318	553
Retail - Gasoline stores	<1	301	644	1,195
Retail - Clothing and clothing accessories stores	<1	219	401	880
Retail - Sporting goods, hobby, musical instrument and book stores	<1	188	279	502
Retail - General merchandise stores	<1	668	1,093	1,815
Retail - Miscellaneous store retailers	<1	406	468	845
Retail - Nonstore retailers	<1	432	1,830	3,631
Air transportation	<1	203	201	832
Rail transportation	<1	83	785	919
Water transportation	<1	4	64	122
Truck transportation	<1	915	1,368	2,981
Transit and ground passenger transportation	<1	105	166	248
Pipeline transportation	<1	1,507	977	1,124
Scenic and sightseeing transportation and support activities for transportation	<1	1,837	1,738	2,347
Couriers and messengers	<1	354	787	941
Warehousing and storage	<1	256	269	517
Newspaper publishers	<1	220	464	715
Periodical publishers	<1	35	60	117
Book publishers	<1	13	47	82
Directory, mailing list, and other publishers	<1	17	53	83
Greeting card publishing	0	0	0	0
Software publishers	<1	215	497	728
Motion picture and video industries	<1	157	281	646
Sound recording industries	<1	5	37	90
Radio and television broadcasting	<1	277	434	2,044
Cable and other subscription programming	<1	44	291	957
Wired telecommunications carriers	<1	458	916	2,019

## Appendix

Wireless telecommunications carriers (except satellite)	<1	37	253	806
Satellite, telecommunications resellers, and all other telecommunications	<1	17	20	51
Data processing, hosting, and related services	<1	344	457	1,944
News syndicates, libraries, archives and all other information services	<1	44	51	117
Internet publishing and broadcasting and web search portals	<1	212	307	2,507
Nondepository credit intermediation and related activities	<1	300	331	560
Securities and commodity contracts intermediation and brokerage	<1	465	389	2,282
Monetary authorities and depository credit intermediation	<1	3,009	7,325	12,820
Other financial investment activities	<1	456	530	3,915
Direct life insurance carriers	<1	29	62	85
Insurance carriers, except direct life	<1	377	1,402	3,455
Insurance agencies, brokerages, and related activities	<1	626	1,061	3,071
Funds, trusts, and other financial vehicles	<1	245	326	2,322
Other real estate	<1	6,411	14,659	47,676
Tenant-occupied housing	<1	283	2,387	2,690
Owner-occupied dwellings	0	0	10,663	12,949
Automotive equipment rental and leasing	<1	89	289	439
General and consumer goods rental except video tapes and discs	<1	145	251	427
Video tape and disc rental	<1	39	67	113
Commercial and industrial machinery and equipment rental and leasing	<1	194	579	823
Lessors of nonfinancial intangible assets	<1	31	847	908
Legal services	<1	4,059	5,520	9,311
Accounting, tax preparation, bookkeeping, and payroll services	<1	944	1,198	2,162
Architectural, engineering, and related services	<1	1,744	1,914	3,957
Specialized design services	<1	76	127	216

Appendix

Custom computer programming services	<1	234	231	354
Computer systems design services	<1	341	286	407
Other computer related services, including facilities management	<1	130	148	352
Management consulting services	<1	4,385	4,514	7,715
Environmental and other technical consulting services	<1	1,034	1,146	2,080
Scientific research and development services	2	120,626	154,049	343,617
Advertising, public relations, and related services	<1	456	769	1,999
Photographic services	<1	23	53	150
Veterinary services	<1	129	145	245
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,585	2,677	6,281
Management of companies and enterprises	<1	3,058	3,634	6,489
Office administrative services	<1	1,253	560	1,578
Facilities support services	<1	34	46	155
Employment services	<1	4,054	5,505	10,067
Business support services	<1	405	362	723
Travel arrangement and reservation services	<1	73	116	475
Investigation and security services	<1	236	239	381
Services to buildings	<1	457	635	1,651
Landscape and horticultural services	<1	525	635	1,375
Other support services	<1	239	296	757
Waste management and remediation services	<1	241	394	903
Elementary and secondary schools	<1	121	107	136
Junior colleges, colleges, universities, and professional schools	<1	98	127	206
Other educational services	<1	208	230	523
Offices of physicians	<1	1,703	1,705	2,533
Offices of dentists	<1	566	619	907
Offices of other health practitioners	<1	417	522	709
Outpatient care centers	<1	463	452	764
Medical and diagnostic laboratories	<1	158	205	290
Home health care services	<1	102	100	132

## Appendix

Other ambulatory health care services	<1	137	149	235
Hospitals	<1	1,420	1,625	3,084
Nursing and community care facilities	<1	415	432	725
Residential mental retardation, mental health, substance abuse and other facilities	<1	225	230	345
Individual and family services	<1	706	597	897
Child day care services	<1	332	422	599
Community food, housing, and other relief services, including rehabilitation services	<1	175	164	378
Performing arts companies	<1	46	94	262
Commercial Sports Except Racing	<1	7	9	20
Racing and Track Operation	<1	8	21	55
Independent artists, writers, and performers	<1	79	325	696
Promoters of performing arts and sports and agents for public figures	<1	66	227	841
Museums, historical sites, zoos, and parks	<1	39	49	89
Amusement parks and arcades	<1	3	10	12
Gambling industries (except casino hotels)	<1	126	368	515
Other amusement and recreation industries	<1	151	218	297
Fitness and recreational sports centers	<1	52	115	172
Bowling centers	<1	17	35	54
Hotels and motels, including casino hotels	<1	63	146	216
Other accommodations	<1	11	12	16
Full-service restaurants	<1	1,598	2,197	4,771
Limited-service restaurants	<1	1,044	1,586	4,031
All other food and drinking places	<1	1,059	1,914	3,096
Automotive repair and maintenance, except car washes	<1	1,179	1,338	1,987
Car washes	<1	554	819	1,236
Electronic and precision equipment repair and maintenance	<1	168	213	399
Commercial and industrial machinery and equipment repair and maintenance	<1	620	573	956
Personal and household goods repair and maintenance	<1	86	169	258



## Appendix

Personal care services	<1	225	185	227
Death care services	<1	71	62	90
Dry-cleaning and laundry services	<1	192	159	209
Other personal services	<1	211	276	417
Religious organizations	<1	432	249	757
Grantmaking, giving, and social advocacy organizations	<1	162	525	770
Business and professional associations	<1	180	310	567
Labor and civic organizations	<1	98	311	588
Private households	<1	52	52	52
Postal service	<1	453	455	458
Federal electric utilities	<1	17	36	108
Other federal government enterprises	<1	17	-27	18
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	9	15	26
Local government passenger transit	<1	55	-3	16
Local government electric utilities	<1	<1	<1	3
Other local government enterprises	<1	1,275	2,941	6,400
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, hospitals and health services	0	0	0	0
* Employment and payroll of state govt, other services	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, hospitals and health services	0	0	0	0
* Employment and payroll of local govt, other services	0	0	0	0

Appendix

* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

## IMPLAN SECTOR SCHEME

**Table 781: IMPLAN Industry Classes and North American Industry Classification System (NAICS) Sectors**

IMPLAN Code	IMPLAN Sector Description	NAICS Code
1	Oilseed farming	111110
1	Oilseed farming	111120
1	Oilseed farming	111191
2	Grain farming	111130
2	Grain farming	111140
2	Grain farming	111150
2	Grain farming	111160
2	Grain farming	111191
2	Grain farming	111199
3	Vegetable and melon farming	111211
3	Vegetable and melon farming	111219
4	Fruit farming	111310
4	Fruit farming	111320
4	Fruit farming	111331
4	Fruit farming	111332
4	Fruit farming	111333
4	Fruit farming	111334
4	Fruit farming	111336
4	Fruit farming	111339
5	Tree nut farming	111335
5	Tree nut farming	111336
6	Greenhouse, nursery, and floriculture production	111411
6	Greenhouse, nursery, and floriculture production	111419
6	Greenhouse, nursery, and floriculture production	111421
6	Greenhouse, nursery, and floriculture production	111422
7	Tobacco farming	111910
8	Cotton farming	111920
9	Sugarcane and sugar beet farming	111930
9	Sugarcane and sugar beet farming	111991
10	All other crop farming	111940
10	All other crop farming	111992
10	All other crop farming	111998
11	Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112111
11	Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112112
12	Dairy cattle and milk production	112120
13	Poultry and egg production	112310

## Appendix

13	Poultry and egg production	112320
13	Poultry and egg production	112330
13	Poultry and egg production	112340
13	Poultry and egg production	112390
14	Animal production, except cattle and poultry and eggs	112210
14	Animal production, except cattle and poultry and eggs	112410
14	Animal production, except cattle and poultry and eggs	112420
14	Animal production, except cattle and poultry and eggs	112511
14	Animal production, except cattle and poultry and eggs	112512
14	Animal production, except cattle and poultry and eggs	112519
14	Animal production, except cattle and poultry and eggs	112910
14	Animal production, except cattle and poultry and eggs	112920
14	Animal production, except cattle and poultry and eggs	112930
14	Animal production, except cattle and poultry and eggs	112990
15	Forestry, forest products, and timber tract production	113110
15	Forestry, forest products, and timber tract production	113210
16	Commercial logging	113310
17	Commercial fishing	114111
17	Commercial fishing	114112
17	Commercial fishing	114119
18	Commercial hunting and trapping	114210
19	Support activities for agriculture and forestry	115111
19	Support activities for agriculture and forestry	115112
19	Support activities for agriculture and forestry	115113
19	Support activities for agriculture and forestry	115114
19	Support activities for agriculture and forestry	115115
19	Support activities for agriculture and forestry	115116
19	Support activities for agriculture and forestry	115210
19	Support activities for agriculture and forestry	115310
20	Oil and gas extraction	211120
20	Oil and gas extraction	211130
21	Coal mining	212114
21	Coal mining	212115
22	Copper, nickel, lead, and zinc mining	212230
23	Iron ore mining	212210
24	Gold ore mining	212220
25	Silver ore mining	212220
26	Uranium-radium-vanadium ore mining	212290
27	Other metal ore mining	212290
28	Stone mining and quarrying	212311
28	Stone mining and quarrying	212312
28	Stone mining and quarrying	212313
28	Stone mining and quarrying	212319

## Appendix

29	Sand and gravel mining	212321
29	Sand and gravel mining	212322
29	Sand and gravel mining	212323
30	Other clay, ceramic, refractory minerals mining	212323
31	Potash, soda, and borate mineral mining	212390
32	Phosphate rock mining	212390
33	Other chemical and fertilizer mineral mining	212390
34	Other nonmetallic minerals	212390
35	Drilling oil and gas wells	213111
36	Support activities for oil and gas operations	213112
37	Metal mining services	213114
38	Other nonmetallic minerals services	213113
38	Other nonmetallic minerals services	213115
39	Electric power generation - Hydroelectric	221111
40	Electric power generation - Fossil fuel	221112
41	Electric power generation - Nuclear	221113
42	Electric power generation - Solar	221114
43	Electric power generation - Wind	221115
44	Electric power generation - Geothermal	221116
45	Electric power generation - Biomass	221117
46	Electric power generation - All other	221118
47	Electric power transmission and distribution	221121
47	Electric power transmission and distribution	221122
48	Natural gas distribution	221210
49	Water, sewage and other systems	221310
49	Water, sewage and other systems	221320
49	Water, sewage and other systems	221330
63	Dog and cat food manufacturing	311111
64	Other animal food manufacturing	311119
65	Flour milling	311211
66	Rice milling	311212
67	Malt manufacturing	311213
68	Wet corn milling	311221
69	Soybean and other oilseed processing	311224
70	Fats and oils refining and blending	311225
71	Breakfast cereal manufacturing	311230
72	Beet sugar manufacturing	311313
73	Sugar cane mills and refining	311314
74	Nonchocolate confectionery manufacturing	311340
75	Chocolate and confectionery manufacturing from cacao beans	311351
76	Confectionery manufacturing from purchased chocolate	311352
77	Frozen fruits, juices and vegetables manufacturing	311411
78	Frozen specialties manufacturing	311412

Appendix

79	Canned fruits and vegetables manufacturing	311421
80	Canned specialties	311422
81	Dehydrated food products manufacturing	311423
82	Cheese manufacturing	311513
83	Dry, condensed, and evaporated dairy product manufacturing	311514
84	Fluid milk manufacturing	311511
85	Creamery butter manufacturing	311512
86	Ice cream and frozen dessert manufacturing	311520
87	Frozen cakes and other pastries manufacturing	311813
88	Poultry processing	311615
89	Animal, except poultry, slaughtering	311611
90	Meat processed from carcasses	311612
91	Rendering and meat byproduct processing	311613
92	Seafood product preparation and packaging	311710
93	Bread and bakery product, except frozen, manufacturing	311811
93	Bread and bakery product, except frozen, manufacturing	311812
94	Cookie and cracker manufacturing	311821
95	Dry pasta, mixes, and dough manufacturing	311824
96	Tortilla manufacturing	311830
97	Roasted nuts and peanut butter manufacturing	311911
98	Other snack food manufacturing	311919
99	Coffee and tea manufacturing	311920
100	Flavoring syrup and concentrate manufacturing	311930
101	Mayonnaise, dressing, and sauce manufacturing	311941
102	Spice and extract manufacturing	311942
103	All other food manufacturing	311991
103	All other food manufacturing	311999
104	Bottled and canned soft drinks & water	312111
104	Bottled and canned soft drinks & water	312112
105	Manufactured ice	312113
106	Breweries	312120
107	Wineries	312130
108	Distilleries	312140
109	Tobacco product manufacturing	312230
110	Fiber, yarn, and thread mills	313110
111	Broadwoven fabric mills	313210
112	Narrow fabric mills and schiffli machine embroidery	313220
113	Nonwoven fabric mills	313230
114	Knit fabric mills	313240
115	Textile and fabric finishing mills	313310
116	Fabric coating mills	313320
117	Carpet and rug mills	314110
118	Curtain and linen mills	314120

Appendix

119	Textile bag and canvas mills	314910
120	Rope, cordage, twine, tire cord and tire fabric mills	314994
121	Other textile product mills	314999
122	Hosiery and sock mills	315120
123	Other apparel knitting mills	315120
124	Cut and sew apparel contractors	315210
125	Men's and boys' cut and sew apparel manufacturing	315250
126	Women's and girls' cut and sew apparel manufacturing	315250
127	Other cut and sew apparel manufacturing	315250
128	Apparel accessories and other apparel manufacturing	315990
129	Leather and hide tanning and finishing	316110
130	Footwear manufacturing	316210
131	Other leather and allied product manufacturing	316990
132	Sawmills	321113
133	Wood preservation	321114
134	Veneer and plywood manufacturing	321211
134	Veneer and plywood manufacturing	321212
135	Engineered wood member and truss manufacturing	321215
136	Reconstituted wood product manufacturing	321219
137	Wood windows and door manufacturing	321911
138	Cut stock, resawing lumber, and planing	321912
139	Other millwork, including flooring	321918
140	Wood container and pallet manufacturing	321920
141	Manufactured home (mobile home) manufacturing	321991
142	Prefabricated wood building manufacturing	321992
143	All other miscellaneous wood product manufacturing	321999
144	Pulp mills	322110
145	Paper mills	322120
146	Paperboard mills	322130
147	Paperboard container manufacturing	322211
147	Paperboard container manufacturing	322212
147	Paperboard container manufacturing	322219
148	Paper bag and coated and treated paper manufacturing	322220
149	Stationery product manufacturing	322230
150	Sanitary paper product manufacturing	322291
151	All other converted paper product manufacturing	322299
152	Printing	323111
152	Printing	323113
152	Printing	323117
153	Support activities for printing	323120
154	Petroleum refineries	324110
155	Asphalt paving mixture and block manufacturing	324121
156	Asphalt shingle and coating materials manufacturing	324122

Appendix

157	Petroleum lubricating oil and grease manufacturing	324191
158	All other petroleum and coal products manufacturing	324199
159	Petrochemical manufacturing	325110
160	Industrial gas manufacturing	325120
161	Synthetic dye and pigment manufacturing	325130
162	Other basic inorganic chemical manufacturing	325180
163	Other basic organic chemical manufacturing	325193
163	Other basic organic chemical manufacturing	325194
163	Other basic organic chemical manufacturing	325199
164	Plastics material and resin manufacturing	325211
165	Synthetic rubber manufacturing	325212
166	Artificial and synthetic fibers and filaments manufacturing	325220
167	Nitrogenous fertilizer manufacturing	325311
168	Phosphatic fertilizer manufacturing	325312
169	Fertilizer mixing	325314
169	Fertilizer mixing	325315
170	Pesticide and other agricultural chemical manufacturing	325320
171	Medicinal and botanical manufacturing	325411
172	Pharmaceutical preparation manufacturing	325412
173	In-vitro diagnostic substance manufacturing	325413
174	Biological product (except diagnostic) manufacturing	325414
175	Paint and coating manufacturing	325510
176	Adhesive manufacturing	325520
177	Soap and other detergent manufacturing	325611
178	Polish and other sanitation good manufacturing	325612
179	Surface active agent manufacturing	325613
180	Toilet preparation manufacturing	325620
181	Printing ink manufacturing	325910
182	Explosives manufacturing	325920
183	Custom compounding of purchased resins	325991
184	Photographic film and chemical manufacturing	325992
185	Other miscellaneous chemical product manufacturing	325998
186	Plastics packaging materials and unlaminated film and sheet manufacturing	326111
186	Plastics packaging materials and unlaminated film and sheet manufacturing	326112
186	Plastics packaging materials and unlaminated film and sheet manufacturing	326113
187	Unlaminated plastics profile shape manufacturing	326121
188	Plastics pipe and pipe fitting manufacturing	326122
189	Laminated plastics plate, sheet (except packaging), and shape manufacturing	326130
190	Polystyrene foam product manufacturing	326140



Appendix

191	Urethane and other foam product (except polystyrene) manufacturing	326150
192	Plastics bottle manufacturing	326160
193	Other plastics product manufacturing	326191
193	Other plastics product manufacturing	326199
194	Tire manufacturing	326211
194	Tire manufacturing	326212
195	Rubber and plastics hoses and belting manufacturing	326220
196	Other rubber product manufacturing	326291
196	Other rubber product manufacturing	326299
197	Pottery, ceramics, and plumbing fixture manufacturing	327110
198	Brick, tile, and other structural clay product manufacturing	327120
199	Flat glass manufacturing	327211
200	Other pressed and blown glass and glassware manufacturing	327212
201	Glass container manufacturing	327213
202	Glass product manufacturing made of purchased glass	327215
203	Cement manufacturing	327310
204	Ready-mix concrete manufacturing	327320
205	Concrete block and brick manufacturing	327331
206	Concrete pipe manufacturing	327332
207	Other concrete product manufacturing	327390
208	Lime manufacturing	327410
209	Gypsum product manufacturing	327420
210	Abrasive product manufacturing	327910
211	Cut stone and stone product manufacturing	327991
212	Ground or treated mineral and earth manufacturing	327992
213	Mineral wool manufacturing	327993
214	Miscellaneous nonmetallic mineral products manufacturing	327999
215	Iron and steel mills and ferroalloy manufacturing	331110
216	Iron, steel pipe and tube manufacturing from purchased steel	331210
217	Rolled steel shape manufacturing	331221
218	Steel wire drawing	331222
219	Alumina refining and primary aluminum production	331313
220	Secondary smelting and alloying of aluminum	331314
221	Aluminum sheet, plate, and foil manufacturing	331315
222	Other aluminum rolling, drawing and extruding	331318
223	Nonferrous metal (exc aluminum) smelting and refining	331410
224	Copper rolling, drawing, extruding and alloying	331420
225	Nonferrous metal, except copper and aluminum, shaping	331491
226	Secondary processing of other nonferrous metals	331492
227	Ferrous metal foundries	331511
227	Ferrous metal foundries	331512
227	Ferrous metal foundries	331513

## Appendix

228	Nonferrous metal foundries	331523
228	Nonferrous metal foundries	331524
228	Nonferrous metal foundries	331529
229	Custom roll forming	332114
230	Crown and closure manufacturing and metal stamping	332119
231	Iron and steel forging	332111
231	Iron and steel forging	332117
232	Nonferrous forging	332112
232	Nonferrous forging	332117
233	Cutlery, utensil, pot, and pan manufacturing	332215
234	Handtool manufacturing	332216
235	Prefabricated metal buildings and components manufacturing	332311
236	Fabricated structural metal manufacturing	332312
237	Plate work manufacturing	332313
238	Metal window and door manufacturing	332321
239	Sheet metal work manufacturing	332322
240	Ornamental and architectural metal work manufacturing	332323
241	Power boiler and heat exchanger manufacturing	332410
242	Metal tank (heavy gauge) manufacturing	332420
243	Metal cans manufacturing	332431
244	Metal barrels, drums and pails manufacturing	332439
245	Hardware manufacturing	332510
246	Spring and wire product manufacturing	332613
246	Spring and wire product manufacturing	332618
247	Machine shops	332710
248	Turned product and screw, nut, and bolt manufacturing	332721
248	Turned product and screw, nut, and bolt manufacturing	332722
249	Metal heat treating	332811
250	Metal coating and nonprecious engraving	332812
251	Electroplating, anodizing, and coloring metal	332813
252	Valve and fittings, other than plumbing, manufacturing	332911
252	Valve and fittings, other than plumbing, manufacturing	332912
252	Valve and fittings, other than plumbing, manufacturing	332919
253	Plumbing fixture fitting and trim manufacturing	332913
254	Ball and roller bearing manufacturing	332991
255	Small arms ammunition manufacturing	332992
256	Ammunition, except for small arms, manufacturing	332993
257	Small arms, ordnance, and accessories manufacturing	332994
258	Fabricated pipe and pipe fitting manufacturing	332996
259	Other fabricated metal manufacturing	332999
260	Farm machinery and equipment manufacturing	333111
261	Lawn and garden equipment manufacturing	333112
262	Construction machinery manufacturing	333120

## Appendix

263	Mining machinery and equipment manufacturing	333131
264	Oil and gas field machinery and equipment manufacturing	333132
265	Semiconductor machinery manufacturing	333242
266	Food product machinery manufacturing	333241
267	Sawmill, woodworking, and paper machinery	333243
268	Printing machinery and equipment manufacturing	333248
269	All other industrial machinery manufacturing	333248
270	Optical instrument and lens manufacturing	333310
271	Photographic and photocopying equipment manufacturing	333310
272	Other commercial service industry machinery manufacturing	333310
273	Air purification and ventilation equipment manufacturing	333413
274	Heating equipment (except warm air furnaces) manufacturing	333414
275	Air conditioning, refrigeration, and warm air heating equipment manufacturing	333415
276	Industrial mold manufacturing	333511
277	Special tool, die, jig, and fixture manufacturing	333514
278	Cutting tool and machine tool accessory manufacturing	333515
279	Machine tool manufacturing	333517
280	Rolling mill and other metalworking machinery manufacturing	333519
281	Turbine and turbine generator set units manufacturing	333611
282	Speed changer, industrial high-speed drive, and gear manufacturing	333612
283	Mechanical power transmission equipment manufacturing	333613
284	Other engine equipment manufacturing	333618
285	Pump and pumping equipment manufacturing	333914
286	Air and gas compressor manufacturing	333912
287	Elevator and moving stairway manufacturing	333921
288	Conveyor and conveying equipment manufacturing	333922
289	Overhead cranes, hoists, and monorail systems manufacturing	333923
290	Industrial truck, trailer, and stacker manufacturing	333924
291	Power-driven handtool manufacturing	333991
292	Welding and soldering equipment manufacturing	333992
293	Packaging machinery manufacturing	333993
294	Industrial process furnace and oven manufacturing	333994
295	Fluid power cylinder and actuator manufacturing	333995
296	Fluid power pump and motor manufacturing	333996
297	Scales, balances, and miscellaneous general purpose machinery manufacturing	333998
298	Electronic computer manufacturing	334111
299	Computer storage device manufacturing	334112
300	Computer terminals and other computer peripheral equipment manufacturing	334118
301	Telephone apparatus manufacturing	334210
302	Broadcast and wireless communications equipment manufacturing	334220

Appendix

303	Other communications equipment manufacturing	334290
304	Audio and video equipment manufacturing	334310
305	Printed circuit assembly (electronic assembly) manufacturing	334418
306	Bare printed circuit board manufacturing	334412
307	Semiconductor and related device manufacturing	334413
308	Capacitor, resistor, coil, transformer, and other inductor manufacturing	334416
309	Electronic connector manufacturing	334417
310	Other electronic component manufacturing	334419
311	Electromedical and electrotherapeutic apparatus manufacturing	334510
312	Search, detection, and navigation instruments manufacturing	334511
313	Automatic environmental control manufacturing	334512
314	Industrial process variable instruments manufacturing	334513
315	Totalizing fluid meter and counting device manufacturing	334514
316	Electricity and signal testing instruments manufacturing	334515
317	Analytical laboratory instrument manufacturing	334516
318	Irradiation apparatus manufacturing	334517
319	Watch, clock, and other measuring and controlling device manufacturing	334519
320	Blank magnetic and optical recording media manufacturing	334610
321	Software and other prerecorded and record reproducing	334610
322	Electric lamp bulb and part manufacturing	335139
323	Lighting fixture manufacturing	335131
323	Lighting fixture manufacturing	335132
323	Lighting fixture manufacturing	335139
324	Small electrical appliance manufacturing	335210
325	Household cooking appliance manufacturing	335220
326	Household refrigerator and home freezer manufacturing	335220
327	Household laundry equipment manufacturing	335220
328	Other major household appliance manufacturing	335220
329	Power, distribution, and specialty transformer manufacturing	335311
330	Motor and generator manufacturing	335312
331	Switchgear and switchboard apparatus manufacturing	335313
332	Relay and industrial control manufacturing	335314
333	Storage battery manufacturing	335910
334	Primary battery manufacturing	335910
335	Fiber optic cable manufacturing	335921
336	Other communication and energy wire manufacturing	335929
337	Wiring device manufacturing	335931
337	Wiring device manufacturing	335932
338	Carbon and graphite product manufacturing	335991
339	All other miscellaneous electrical equipment and component manufacturing	335999

Appendix

340	Automobile manufacturing	336110
341	Light truck and utility vehicle manufacturing	336110
342	Heavy duty truck manufacturing	336120
343	Motor vehicle body manufacturing	336211
344	Truck trailer manufacturing	336212
345	Motor home manufacturing	336213
346	Travel trailer and camper manufacturing	336214
347	Motor vehicle gasoline engine and engine parts manufacturing	336310
348	Motor vehicle electrical and electronic equipment manufacturing	336320
349	Motor vehicle transmission and power train parts manufacturing	336350
350	Motor vehicle seating and interior trim manufacturing	336360
351	Motor vehicle metal stamping	336370
352	Other motor vehicle parts manufacturing	336390
353	Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	336330
353	Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	336340
354	Aircraft manufacturing	336411
355	Aircraft engine and engine parts manufacturing	336412
356	Other aircraft parts and auxiliary equipment manufacturing	336413
357	Guided missile and space vehicle manufacturing	336414
358	Propulsion units and parts for space vehicles and guided missiles manufacturing	336415
358	Propulsion units and parts for space vehicles and guided missiles manufacturing	336419
359	Railroad rolling stock manufacturing	336510
360	Ship building and repairing	336611
361	Boat building	336612
362	Motorcycle, bicycle, and parts manufacturing	336991
363	Military armored vehicle, tank, and tank component manufacturing	336992
364	All other transportation equipment manufacturing	336999
365	Wood kitchen cabinet and countertop manufacturing	337110
366	Upholstered household furniture manufacturing	337121
367	Nonupholstered wood household furniture manufacturing	337122
368	Other household nonupholstered furniture manufacturing	337126
369	Institutional furniture manufacturing	337127
370	Wood office furniture manufacturing	337211
371	Custom architectural woodwork and millwork	337212
372	Office furniture, except wood, manufacturing	337214
373	Showcase, partition, shelving, and locker manufacturing	337215
374	Mattress manufacturing	337910
375	Blind and shade manufacturing	337920
376	Surgical and medical instrument manufacturing	339112

Appendix

377	Surgical appliance and supplies manufacturing	339113
378	Dental equipment and supplies manufacturing	339114
379	Ophthalmic goods manufacturing	339115
380	Dental laboratories	339116
381	Jewelry and silverware manufacturing	339910
382	Sporting and athletic goods manufacturing	339920
383	Doll, toy, and game manufacturing	339930
384	Office supplies (except paper) manufacturing	339940
385	Sign manufacturing	339950
386	Gasket, packing, and sealing device manufacturing	339991
387	Musical instrument manufacturing	339992
388	Fasteners, buttons, needles, and pins manufacturing	339993
389	Broom, brush, and mop manufacturing	339994
390	Burial casket manufacturing	339995
391	All other miscellaneous manufacturing	339999
392	Wholesale - Motor vehicle and motor vehicle parts and supplies	423110
392	Wholesale - Motor vehicle and motor vehicle parts and supplies	423120
392	Wholesale - Motor vehicle and motor vehicle parts and supplies	423130
392	Wholesale - Motor vehicle and motor vehicle parts and supplies	423140
393	Wholesale - Professional and commercial equipment and supplies	423410
393	Wholesale - Professional and commercial equipment and supplies	423420
393	Wholesale - Professional and commercial equipment and supplies	423430
393	Wholesale - Professional and commercial equipment and supplies	423440
393	Wholesale - Professional and commercial equipment and supplies	423450
393	Wholesale - Professional and commercial equipment and supplies	423460
393	Wholesale - Professional and commercial equipment and supplies	423490
394	Wholesale - Household appliances and electrical and electronic goods	423610
394	Wholesale - Household appliances and electrical and electronic goods	423620
394	Wholesale - Household appliances and electrical and electronic goods	423690
395	Wholesale - Machinery, equipment, and supplies	423810
395	Wholesale - Machinery, equipment, and supplies	423820
395	Wholesale - Machinery, equipment, and supplies	423830
395	Wholesale - Machinery, equipment, and supplies	423840
395	Wholesale - Machinery, equipment, and supplies	423850
395	Wholesale - Machinery, equipment, and supplies	423860
396	Wholesale - Other durable goods merchant wholesalers	423210
396	Wholesale - Other durable goods merchant wholesalers	423220
396	Wholesale - Other durable goods merchant wholesalers	423310
396	Wholesale - Other durable goods merchant wholesalers	423320
396	Wholesale - Other durable goods merchant wholesalers	423330

Appendix

396	Wholesale - Other durable goods merchant wholesalers	423390
396	Wholesale - Other durable goods merchant wholesalers	423510
396	Wholesale - Other durable goods merchant wholesalers	423520
396	Wholesale - Other durable goods merchant wholesalers	423710
396	Wholesale - Other durable goods merchant wholesalers	423720
396	Wholesale - Other durable goods merchant wholesalers	423730
396	Wholesale - Other durable goods merchant wholesalers	423740
396	Wholesale - Other durable goods merchant wholesalers	423910
396	Wholesale - Other durable goods merchant wholesalers	423920
396	Wholesale - Other durable goods merchant wholesalers	423930
396	Wholesale - Other durable goods merchant wholesalers	423940
396	Wholesale - Other durable goods merchant wholesalers	423990
397	Wholesale - Drugs and druggists' sundries	424210
398	Wholesale - Grocery and related product wholesalers	424410
398	Wholesale - Grocery and related product wholesalers	424420
398	Wholesale - Grocery and related product wholesalers	424430
398	Wholesale - Grocery and related product wholesalers	424440
398	Wholesale - Grocery and related product wholesalers	424450
398	Wholesale - Grocery and related product wholesalers	424460
398	Wholesale - Grocery and related product wholesalers	424470
398	Wholesale - Grocery and related product wholesalers	424480
398	Wholesale - Grocery and related product wholesalers	424490
399	Wholesale - Petroleum and petroleum products	424710
399	Wholesale - Petroleum and petroleum products	424720
400	Wholesale - Other nondurable goods merchant wholesalers	424110
400	Wholesale - Other nondurable goods merchant wholesalers	424120
400	Wholesale - Other nondurable goods merchant wholesalers	424130
400	Wholesale - Other nondurable goods merchant wholesalers	424310
400	Wholesale - Other nondurable goods merchant wholesalers	424340
400	Wholesale - Other nondurable goods merchant wholesalers	424350
400	Wholesale - Other nondurable goods merchant wholesalers	424510
400	Wholesale - Other nondurable goods merchant wholesalers	424520
400	Wholesale - Other nondurable goods merchant wholesalers	424590
400	Wholesale - Other nondurable goods merchant wholesalers	424610
400	Wholesale - Other nondurable goods merchant wholesalers	424690
400	Wholesale - Other nondurable goods merchant wholesalers	424810
400	Wholesale - Other nondurable goods merchant wholesalers	424820
400	Wholesale - Other nondurable goods merchant wholesalers	424910
400	Wholesale - Other nondurable goods merchant wholesalers	424920
400	Wholesale - Other nondurable goods merchant wholesalers	424930
400	Wholesale - Other nondurable goods merchant wholesalers	424940
400	Wholesale - Other nondurable goods merchant wholesalers	424950
400	Wholesale - Other nondurable goods merchant wholesalers	424990

Appendix

401	Wholesale - Wholesale electronic markets and agents and brokers	425120
402	Retail - Motor vehicle and parts dealers	441110
402	Retail - Motor vehicle and parts dealers	441120
402	Retail - Motor vehicle and parts dealers	441210
402	Retail - Motor vehicle and parts dealers	441222
402	Retail - Motor vehicle and parts dealers	441227
402	Retail - Motor vehicle and parts dealers	441330
402	Retail - Motor vehicle and parts dealers	441340
403	Retail - Furniture and home furnishings stores	449110
403	Retail - Furniture and home furnishings stores	449121
403	Retail - Furniture and home furnishings stores	449122
403	Retail - Furniture and home furnishings stores	449129
404	Retail - Electronics and appliance stores	449210
405	Retail - Building material and garden equipment and supplies stores	444110
405	Retail - Building material and garden equipment and supplies stores	444120
405	Retail - Building material and garden equipment and supplies stores	444140
405	Retail - Building material and garden equipment and supplies stores	444180
405	Retail - Building material and garden equipment and supplies stores	444230
405	Retail - Building material and garden equipment and supplies stores	444240
406	Retail - Food and beverage stores	445110
406	Retail - Food and beverage stores	445131
406	Retail - Food and beverage stores	445230
406	Retail - Food and beverage stores	445240
406	Retail - Food and beverage stores	445250
406	Retail - Food and beverage stores	445291
406	Retail - Food and beverage stores	445292
406	Retail - Food and beverage stores	445298
406	Retail - Food and beverage stores	445320
407	Retail - Health and personal care stores	456110
407	Retail - Health and personal care stores	456120
407	Retail - Health and personal care stores	456130
407	Retail - Health and personal care stores	456191
407	Retail - Health and personal care stores	456199
408	Retail - Gasoline stores	457110
408	Retail - Gasoline stores	457120
409	Retail - Clothing and clothing accessories stores	458110
409	Retail - Clothing and clothing accessories stores	458210
409	Retail - Clothing and clothing accessories stores	458310
409	Retail - Clothing and clothing accessories stores	458320
410	Retail - Sporting goods, hobby, musical instrument and book stores	459110
410	Retail - Sporting goods, hobby, musical instrument and book stores	459120
410	Retail - Sporting goods, hobby, musical instrument and book stores	459130
410	Retail - Sporting goods, hobby, musical instrument and book stores	459140



Appendix

410	Retail - Sporting goods, hobby, musical instrument and book stores	459210
411	Retail - General merchandise stores	455110
411	Retail - General merchandise stores	455211
411	Retail - General merchandise stores	455219
412	Retail - Miscellaneous store retailers	455219
412	Retail - Miscellaneous store retailers	459310
412	Retail - Miscellaneous store retailers	459410
412	Retail - Miscellaneous store retailers	459420
412	Retail - Miscellaneous store retailers	459510
412	Retail - Miscellaneous store retailers	459910
412	Retail - Miscellaneous store retailers	459920
412	Retail - Miscellaneous store retailers	459930
412	Retail - Miscellaneous store retailers	459991
412	Retail - Miscellaneous store retailers	459999
413	Retail - Nonstore retailers	441227
413	Retail - Nonstore retailers	441330
413	Retail - Nonstore retailers	441340
413	Retail - Nonstore retailers	444140
413	Retail - Nonstore retailers	444180
413	Retail - Nonstore retailers	444230
413	Retail - Nonstore retailers	444240
413	Retail - Nonstore retailers	445131
413	Retail - Nonstore retailers	445132
413	Retail - Nonstore retailers	445240
413	Retail - Nonstore retailers	445250
413	Retail - Nonstore retailers	445298
413	Retail - Nonstore retailers	445320
413	Retail - Nonstore retailers	449110
413	Retail - Nonstore retailers	449121
413	Retail - Nonstore retailers	449122
413	Retail - Nonstore retailers	449129
413	Retail - Nonstore retailers	449210
413	Retail - Nonstore retailers	455110
413	Retail - Nonstore retailers	455211
413	Retail - Nonstore retailers	455219
413	Retail - Nonstore retailers	456110
413	Retail - Nonstore retailers	456120
413	Retail - Nonstore retailers	456130
413	Retail - Nonstore retailers	456191
413	Retail - Nonstore retailers	456199
413	Retail - Nonstore retailers	457210
413	Retail - Nonstore retailers	458110
413	Retail - Nonstore retailers	458210

Appendix

413	Retail - Nonstore retailers	458310
413	Retail - Nonstore retailers	458320
413	Retail - Nonstore retailers	459110
413	Retail - Nonstore retailers	459120
413	Retail - Nonstore retailers	459130
413	Retail - Nonstore retailers	459140
413	Retail - Nonstore retailers	459210
413	Retail - Nonstore retailers	459310
413	Retail - Nonstore retailers	459410
413	Retail - Nonstore retailers	459420
413	Retail - Nonstore retailers	459510
413	Retail - Nonstore retailers	459910
413	Retail - Nonstore retailers	459920
413	Retail - Nonstore retailers	459991
413	Retail - Nonstore retailers	459999
414	Air transportation	481111
414	Air transportation	481112
414	Air transportation	481211
414	Air transportation	481212
414	Air transportation	481219
415	Rail transportation	482111
415	Rail transportation	482112
416	Water transportation	483111
416	Water transportation	483112
416	Water transportation	483113
416	Water transportation	483114
416	Water transportation	483211
416	Water transportation	483212
417	Truck transportation	484110
417	Truck transportation	484121
417	Truck transportation	484122
417	Truck transportation	484210
417	Truck transportation	484220
417	Truck transportation	484230
418	Transit and ground passenger transportation	485111
418	Transit and ground passenger transportation	485112
418	Transit and ground passenger transportation	485113
418	Transit and ground passenger transportation	485119
418	Transit and ground passenger transportation	485210
418	Transit and ground passenger transportation	485310
418	Transit and ground passenger transportation	485320
418	Transit and ground passenger transportation	485410
418	Transit and ground passenger transportation	485510

Appendix

418	Transit and ground passenger transportation	485991
418	Transit and ground passenger transportation	485999
419	Pipeline transportation	486110
419	Pipeline transportation	486210
419	Pipeline transportation	486910
419	Pipeline transportation	486990
420	Scenic and sightseeing transportation and support activities for transportation	487110
420	Scenic and sightseeing transportation and support activities for transportation	487210
420	Scenic and sightseeing transportation and support activities for transportation	487990
420	Scenic and sightseeing transportation and support activities for transportation	488111
420	Scenic and sightseeing transportation and support activities for transportation	488119
420	Scenic and sightseeing transportation and support activities for transportation	488190
420	Scenic and sightseeing transportation and support activities for transportation	488210
420	Scenic and sightseeing transportation and support activities for transportation	488310
420	Scenic and sightseeing transportation and support activities for transportation	488320
420	Scenic and sightseeing transportation and support activities for transportation	488330
420	Scenic and sightseeing transportation and support activities for transportation	488390
420	Scenic and sightseeing transportation and support activities for transportation	488410
420	Scenic and sightseeing transportation and support activities for transportation	488490
420	Scenic and sightseeing transportation and support activities for transportation	488510
420	Scenic and sightseeing transportation and support activities for transportation	488991
420	Scenic and sightseeing transportation and support activities for transportation	488999
421	Couriers and messengers	492110
421	Couriers and messengers	492210
422	Warehousing and storage	493110
422	Warehousing and storage	493120
422	Warehousing and storage	493130
422	Warehousing and storage	493190
423	Newspaper publishers	513110

Appendix

424	Periodical publishers	513120
425	Book publishers	513130
426	Directory, mailing list, and other publishers	513140
426	Directory, mailing list, and other publishers	513199
427	Greeting card publishing	513191
428	Software publishers	513210
429	Motion picture and video industries	512110
429	Motion picture and video industries	512120
429	Motion picture and video industries	512131
429	Motion picture and video industries	512132
429	Motion picture and video industries	512191
429	Motion picture and video industries	512199
430	Sound recording industries	512230
430	Sound recording industries	512240
430	Sound recording industries	512250
430	Sound recording industries	512290
431	Radio and television broadcasting	516110
431	Radio and television broadcasting	516120
431	Radio and television broadcasting	516210
432	Cable and other subscription programming	516210
433	Wired telecommunications carriers	517111
434	Wireless telecommunications carriers (except satellite)	517112
434	Wireless telecommunications carriers (except satellite)	517122
435	Satellite, telecommunications resellers, and all other telecommunications	517121
435	Satellite, telecommunications resellers, and all other telecommunications	517122
435	Satellite, telecommunications resellers, and all other telecommunications	517410
435	Satellite, telecommunications resellers, and all other telecommunications	517810
436	Data processing, hosting, and related services	518210
437	News syndicates, libraries, archives and all other information services	516210
437	News syndicates, libraries, archives and all other information services	519210
437	News syndicates, libraries, archives and all other information services	519290
438	Internet publishing and broadcasting and web search portals	513110
438	Internet publishing and broadcasting and web search portals	513120
438	Internet publishing and broadcasting and web search portals	513130
438	Internet publishing and broadcasting and web search portals	513140
438	Internet publishing and broadcasting and web search portals	513191
438	Internet publishing and broadcasting and web search portals	513199

Appendix

438	Internet publishing and broadcasting and web search portals	516210
438	Internet publishing and broadcasting and web search portals	519290
439	Nondepository credit intermediation and related activities	522210
439	Nondepository credit intermediation and related activities	522220
439	Nondepository credit intermediation and related activities	522291
439	Nondepository credit intermediation and related activities	522292
439	Nondepository credit intermediation and related activities	522299
439	Nondepository credit intermediation and related activities	522310
439	Nondepository credit intermediation and related activities	522320
439	Nondepository credit intermediation and related activities	522390
440	Securities and commodity contracts intermediation and brokerage	523150
440	Securities and commodity contracts intermediation and brokerage	523160
440	Securities and commodity contracts intermediation and brokerage	523210
441	Monetary authorities and depository credit intermediation	521110
441	Monetary authorities and depository credit intermediation	522110
441	Monetary authorities and depository credit intermediation	522130
441	Monetary authorities and depository credit intermediation	522180
442	Other financial investment activities	523910
442	Other financial investment activities	523940
442	Other financial investment activities	523991
442	Other financial investment activities	523999
443	Direct life insurance carriers	524113
444	Insurance carriers, except direct life	524114
444	Insurance carriers, except direct life	524126
444	Insurance carriers, except direct life	524127
444	Insurance carriers, except direct life	524128
444	Insurance carriers, except direct life	524130
445	Insurance agencies, brokerages, and related activities	524210
445	Insurance agencies, brokerages, and related activities	524291
445	Insurance agencies, brokerages, and related activities	524292
445	Insurance agencies, brokerages, and related activities	524298
446	Funds, trusts, and other financial vehicles	525110
446	Funds, trusts, and other financial vehicles	525120
446	Funds, trusts, and other financial vehicles	525190
446	Funds, trusts, and other financial vehicles	525910
446	Funds, trusts, and other financial vehicles	525920
446	Funds, trusts, and other financial vehicles	525990
447	Other real estate	531120
447	Other real estate	531130
447	Other real estate	531190
447	Other real estate	531210
447	Other real estate	531311
447	Other real estate	531312

Appendix

447	Other real estate	531320
447	Other real estate	531390
448	Tenant-occupied housing	531110
450	Automotive equipment rental and leasing	532111
450	Automotive equipment rental and leasing	532112
450	Automotive equipment rental and leasing	532120
451	General and consumer goods rental except video tapes and discs	532210
451	General and consumer goods rental except video tapes and discs	532281
451	General and consumer goods rental except video tapes and discs	532283
451	General and consumer goods rental except video tapes and discs	532284
451	General and consumer goods rental except video tapes and discs	532289
451	General and consumer goods rental except video tapes and discs	532310
452	Video tape and disc rental	532282
453	Commercial and industrial machinery and equipment rental and leasing	532411
453	Commercial and industrial machinery and equipment rental and leasing	532412
453	Commercial and industrial machinery and equipment rental and leasing	532420
453	Commercial and industrial machinery and equipment rental and leasing	532490
454	Lessors of nonfinancial intangible assets	533110
455	Legal services	541110
455	Legal services	541191
455	Legal services	541199
456	Accounting, tax preparation, bookkeeping, and payroll services	541211
456	Accounting, tax preparation, bookkeeping, and payroll services	541213
456	Accounting, tax preparation, bookkeeping, and payroll services	541214
456	Accounting, tax preparation, bookkeeping, and payroll services	541219
457	Architectural, engineering, and related services	541310
457	Architectural, engineering, and related services	541320
457	Architectural, engineering, and related services	541330
457	Architectural, engineering, and related services	541340
457	Architectural, engineering, and related services	541350
457	Architectural, engineering, and related services	541360
457	Architectural, engineering, and related services	541370
457	Architectural, engineering, and related services	541380
458	Specialized design services	541410
458	Specialized design services	541420
458	Specialized design services	541430
458	Specialized design services	541490
459	Custom computer programming services	541511
460	Computer systems design services	541512

Appendix

461	Other computer related services, including facilities management	541513
461	Other computer related services, including facilities management	541519
462	Management consulting services	541611
462	Management consulting services	541612
462	Management consulting services	541613
462	Management consulting services	541614
462	Management consulting services	541618
463	Environmental and other technical consulting services	541620
463	Environmental and other technical consulting services	541690
464	Scientific research and development services	541713
464	Scientific research and development services	541714
464	Scientific research and development services	541715
464	Scientific research and development services	541720
465	Advertising, public relations, and related services	541810
465	Advertising, public relations, and related services	541820
465	Advertising, public relations, and related services	541830
465	Advertising, public relations, and related services	541840
465	Advertising, public relations, and related services	541850
465	Advertising, public relations, and related services	541860
465	Advertising, public relations, and related services	541870
465	Advertising, public relations, and related services	541890
466	Photographic services	541921
466	Photographic services	541922
467	Veterinary services	541940
468	Marketing research and all other miscellaneous professional, scientific, and technical services	541910
468	Marketing research and all other miscellaneous professional, scientific, and technical services	541930
468	Marketing research and all other miscellaneous professional, scientific, and technical services	541990
469	Management of companies and enterprises	551111
469	Management of companies and enterprises	551112
469	Management of companies and enterprises	551114
470	Office administrative services	561110
471	Facilities support services	561210
472	Employment services	561311
472	Employment services	561312
472	Employment services	561320
472	Employment services	561330
473	Business support services	561410
473	Business support services	561421
473	Business support services	561422
473	Business support services	561431

Appendix

473	Business support services	561439
473	Business support services	561440
473	Business support services	561450
473	Business support services	561491
473	Business support services	561492
473	Business support services	561499
474	Travel arrangement and reservation services	561510
474	Travel arrangement and reservation services	561520
474	Travel arrangement and reservation services	561591
474	Travel arrangement and reservation services	561599
475	Investigation and security services	561611
475	Investigation and security services	561612
475	Investigation and security services	561613
475	Investigation and security services	561621
475	Investigation and security services	561622
476	Services to buildings	561710
476	Services to buildings	561720
476	Services to buildings	561740
476	Services to buildings	561790
477	Landscape and horticultural services	561730
478	Other support services	561910
478	Other support services	561920
478	Other support services	561990
479	Waste management and remediation services	562111
479	Waste management and remediation services	562112
479	Waste management and remediation services	562119
479	Waste management and remediation services	562211
479	Waste management and remediation services	562212
479	Waste management and remediation services	562213
479	Waste management and remediation services	562219
479	Waste management and remediation services	562910
479	Waste management and remediation services	562920
479	Waste management and remediation services	562991
479	Waste management and remediation services	562998
480	Elementary and secondary schools	611110
481	Junior colleges, colleges, universities, and professional schools	611210
481	Junior colleges, colleges, universities, and professional schools	611310
482	Other educational services	611410
482	Other educational services	611420
482	Other educational services	611430
482	Other educational services	611511
482	Other educational services	611512
482	Other educational services	611513



Appendix

482	Other educational services	611519
482	Other educational services	611610
482	Other educational services	611620
482	Other educational services	611630
482	Other educational services	611691
482	Other educational services	611692
482	Other educational services	611699
482	Other educational services	611710
483	Offices of physicians	621111
483	Offices of physicians	621112
484	Offices of dentists	621210
485	Offices of other health practitioners	621310
485	Offices of other health practitioners	621320
485	Offices of other health practitioners	621330
485	Offices of other health practitioners	621340
485	Offices of other health practitioners	621391
485	Offices of other health practitioners	621399
486	Outpatient care centers	621410
486	Outpatient care centers	621420
486	Outpatient care centers	621491
486	Outpatient care centers	621492
486	Outpatient care centers	621493
486	Outpatient care centers	621498
487	Medical and diagnostic laboratories	621511
487	Medical and diagnostic laboratories	621512
488	Home health care services	621610
489	Other ambulatory health care services	621910
489	Other ambulatory health care services	621991
489	Other ambulatory health care services	621999
490	Hospitals	622110
490	Hospitals	622210
490	Hospitals	622310
491	Nursing and community care facilities	623110
491	Nursing and community care facilities	623311
491	Nursing and community care facilities	623312
492	Residential mental retardation, mental health, substance abuse and other facilities	623210
492	Residential mental retardation, mental health, substance abuse and other facilities	623220
492	Residential mental retardation, mental health, substance abuse and other facilities	623990
493	Individual and family services	624110
493	Individual and family services	624120

Appendix

493	Individual and family services	624190
494	Child day care services	624410
495	Community food, housing, and other relief services, including rehabilitation services	624210
495	Community food, housing, and other relief services, including rehabilitation services	624221
495	Community food, housing, and other relief services, including rehabilitation services	624229
495	Community food, housing, and other relief services, including rehabilitation services	624230
495	Community food, housing, and other relief services, including rehabilitation services	624310
496	Performing arts companies	711110
496	Performing arts companies	711120
496	Performing arts companies	711130
496	Performing arts companies	711190
497	Commercial Sports Except Racing	711211
497	Commercial Sports Except Racing	711219
498	Racing and Track Operation	711212
499	Independent artists, writers, and performers	711510
500	Promoters of performing arts and sports and agents for public figures	711310
500	Promoters of performing arts and sports and agents for public figures	711320
500	Promoters of performing arts and sports and agents for public figures	711410
501	Museums, historical sites, zoos, and parks	712110
501	Museums, historical sites, zoos, and parks	712120
501	Museums, historical sites, zoos, and parks	712130
501	Museums, historical sites, zoos, and parks	712190
502	Amusement parks and arcades	713110
502	Amusement parks and arcades	713120
503	Gambling industries (except casino hotels)	713210
503	Gambling industries (except casino hotels)	713290
504	Other amusement and recreation industries	713910
504	Other amusement and recreation industries	713920
504	Other amusement and recreation industries	713930
504	Other amusement and recreation industries	713990
505	Fitness and recreational sports centers	713940
506	Bowling centers	713950
507	Hotels and motels, including casino hotels	721110
507	Hotels and motels, including casino hotels	721120
508	Other accommodations	721191
508	Other accommodations	721199

Appendix

508	Other accommodations	721211
508	Other accommodations	721214
508	Other accommodations	721310
509	Full-service restaurants	722511
510	Limited-service restaurants	722513
511	All other food and drinking places	722310
511	All other food and drinking places	722320
511	All other food and drinking places	722330
511	All other food and drinking places	722410
511	All other food and drinking places	722514
511	All other food and drinking places	722515
512	Automotive repair and maintenance, except car washes	811111
512	Automotive repair and maintenance, except car washes	811114
512	Automotive repair and maintenance, except car washes	811121
512	Automotive repair and maintenance, except car washes	811122
512	Automotive repair and maintenance, except car washes	811191
512	Automotive repair and maintenance, except car washes	811198
513	Car washes	811192
514	Electronic and precision equipment repair and maintenance	811210
515	Commercial and industrial machinery and equipment repair and maintenance	811310
516	Personal and household goods repair and maintenance	811411
516	Personal and household goods repair and maintenance	811412
516	Personal and household goods repair and maintenance	811420
516	Personal and household goods repair and maintenance	811430
516	Personal and household goods repair and maintenance	811490
517	Personal care services	812111
517	Personal care services	812112
517	Personal care services	812113
517	Personal care services	812191
517	Personal care services	812199
518	Death care services	812210
518	Death care services	812220
519	Dry-cleaning and laundry services	812310
519	Dry-cleaning and laundry services	812320
519	Dry-cleaning and laundry services	812331
519	Dry-cleaning and laundry services	812332
520	Other personal services	812910
520	Other personal services	812921
520	Other personal services	812922
520	Other personal services	812930
520	Other personal services	812990
521	Religious organizations	813110

Appendix

522	Grantmaking, giving, and social advocacy organizations	813211
522	Grantmaking, giving, and social advocacy organizations	813212
522	Grantmaking, giving, and social advocacy organizations	813219
522	Grantmaking, giving, and social advocacy organizations	813311
522	Grantmaking, giving, and social advocacy organizations	813312
522	Grantmaking, giving, and social advocacy organizations	813319
523	Business and professional associations	813910
523	Business and professional associations	813920
524	Labor and civic organizations	813410
524	Labor and civic organizations	813930
524	Labor and civic organizations	813940
524	Labor and civic organizations	813990
525	Private households	814110
526	Postal service	491110

**Source:** <https://support.implan.com/hc/en-us/articles/15398463942683-U-S-546-Industries-Conversions-Bridges>