

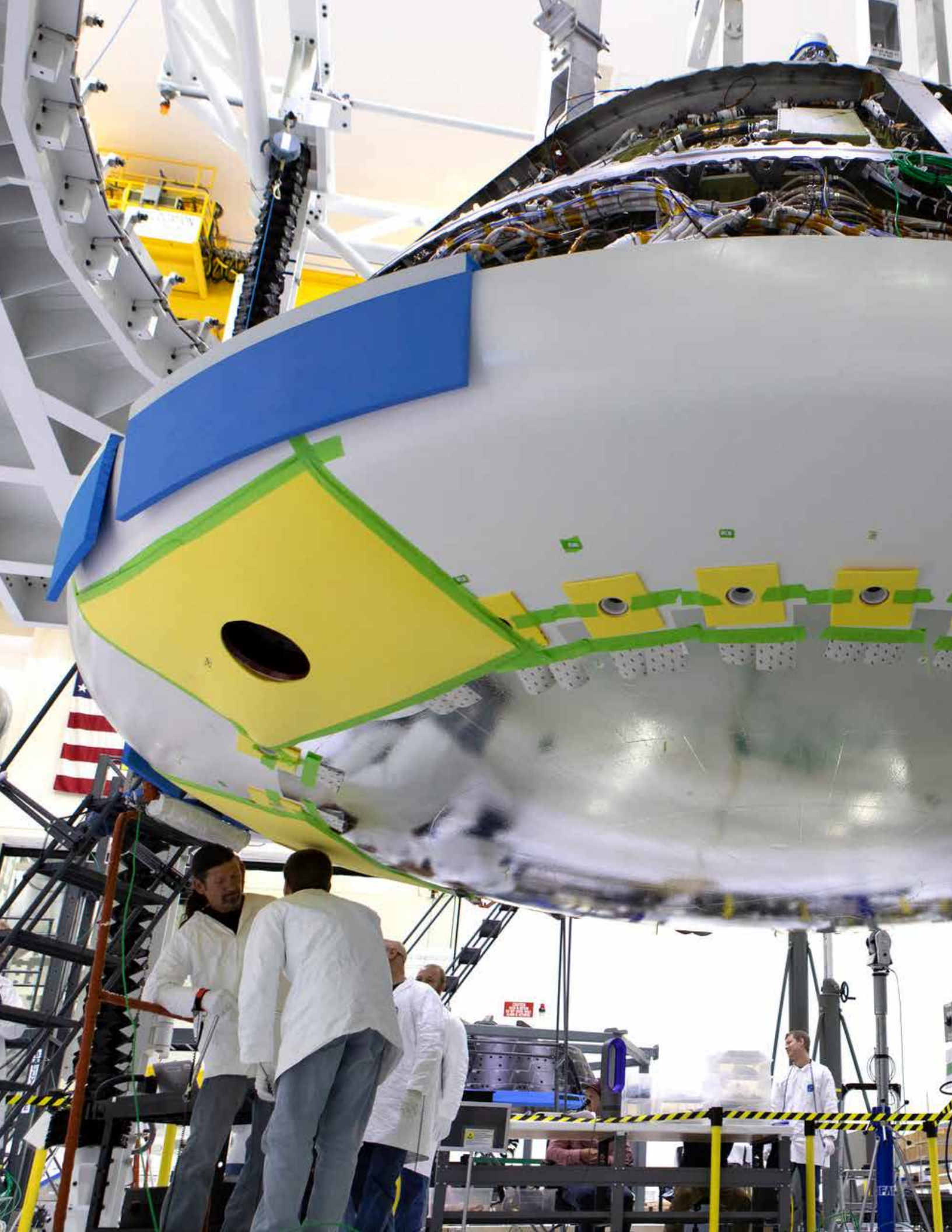
National Aeronautics and
Space Administration



Fiscal Year 2018 Annual Procurement Report

EXPLORE PROCUREMENT

The cornerstone of NASA's current and future missions



Welcome from the Assistant Administrator

The National Aeronautics and Space Administration (NASA) Office of Procurement is proud to present the print edition of our Fiscal Year 2018 Annual Procurement Report! This compendium is an annual roadmap of our acquisition and programmatic performance as it relates to the Agency's mission and goals.

I would like to express my sincere gratitude and appreciation for the exceptional service of the NASA Office of Procurement workforce that has resulted in the accomplishments highlighted in this publication. This is a concise and clear roadmap outlying how the Agency spent nearly 85% of its budget on goods and services at all the Centers across the country. I am sure you will agree, NASA is intentional and accountable on how we utilize the Agency procurement base.

As you review the data in the subsequent pages, I would also like to recognize the Mission Directorates, Program Offices, businesses, and schools featured in this publication for their hard work and exemplary performance. They demonstrate just a few of the successes that are possible with NASA, and further demonstrate the opportunities this Agency affords.

Our workforce is key to it all; they ensure the success of our program by their willingness to go above and beyond to achieve the results. Thank you for your integrity and hard work over the past year. Your accomplishments in procurement are integral to supporting NASA's mission to Explore.

Sincerely,



INTRODUCTION



This report presents summary data on all of NASA procurement actions and detailed information on contracts, grants, cooperative agreements and other procurements awarded by NASA during Fiscal Year 2018 using appropriated funds. All data was pulled from the Federal Procurement Data System (FPDS)* with the exception of awards made through other Government agencies, which was obtained from NASA's financial system.

“Procurement action,” as used in this report, means a contractual action to obtain supplies, services or construction that increases or decreases funds. A procurement action, thus, may be a new procurement or a modification such as a supplemental agreement, change order or termination to an existing contract that changes the total amount of funds

obligated. An obligation is a contractual commitment to pay for supplies or services that are specified in the contract. (See Glossary for more information.)

The Annual Procurement Report is available via the internet on the Procurement homepage. The address is <http://www.hq.nasa.gov/office/procurement/> (under the “Procurement Reports and Guides” link). The report was prepared by the Program Operations Division, Office of Procurement, NASA Headquarters. Inquiries should be addressed in writing to:

National Aeronautics and Space Administration
Office of Procurement
Washington, DC 20546

NASA Office of Procurement

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TOTAL

Fiscal Year 2018 – NASA’s procurements totaled

\$19,196.7 million. The number of
procurement actions totaled **40,369**.

Trends In Procurement Obligations vs. Total NASA Obligations*

Fiscal Years 2014–2018 (Millions Of Dollars)

Fiscal Year	Total NASA Obligations	Procurement Obligations	
		Amount	% of Total Obligations
2018	\$23,374.8	\$19,196.7	82.1%
2017	\$22,678.2	\$18,502.5	81.6%
2016	\$22,527.0	\$18,687.9	83.0%
2015	\$21,070.5	\$17,191.5	81.6%
2014	\$20,353.2	\$16,004.1	78.6%

*Total NASA obligations include salaries, benefits, and travel of NASA employees, as well as 114,677 purchase card transactions in the amount of \$108.9 million. Procurement obligations exclude Funded Space Act Agreements because they are handled outside of the Office of Procurement. They are not discussed in this report. Awards to Other Government Agencies, are included in both totals above, but they are only discussed in Section IX on page 27. They are not included in other charts and tables in this report.

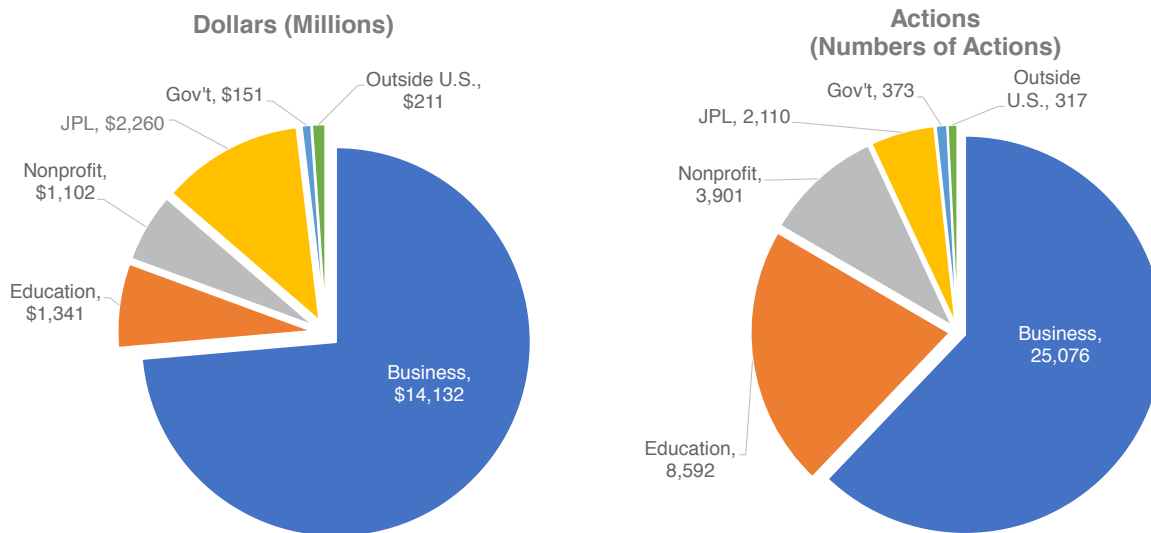
A composite image of space. In the upper left, a large, detailed view of the Moon's surface with numerous craters. In the lower left, the curved horizon of Earth with a blue atmosphere. In the center and right, the Milky Way galaxy is visible against a dark starry background. A bright, glowing arc of light, possibly a satellite or a celestial body, curves across the middle of the image.

PROCUREMENT

AWARDS BY TYPE OF CONTRACTOR

Fiscal Year 2018 – The distribution of NASA’s procurement dollars obligated and the number of actions is shown below.

Awards By Type Of Contractor Fiscal Year 2018



<u>Category</u>	Value (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Business Firms	\$14,132	73.6%	25,076	62.1%
Educational Institutions	\$1,341	7.0%	8,592	21.3%
Nonprofit Organizations	\$1,102	5.7%	3,901	9.7%
JPL	\$2,260	11.8%	2,110	5.2%
Gov't Agencies	\$151	0.8%	373	0.9%
Outside U.S.	\$211	1.1%	317	0.8%
Total:	\$19,197	100%	40,369	100%



Trends In Awards By Type Of Contractor

Fiscal Years 2014–2018
Procurement Dollars (In Millions)

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Business Firms	\$12,086	\$12,703	\$13,982	\$13,828	\$14,132
Educational	1,024	906	894	880	1,341
Nonprofit	661	878	968	925	1,102
JPL	1,708	1,847	2,133	2,353	2,260
Gov't Agencies	161	340	397	171	151
Outside U.S.	364	517	314	346	211
Total	\$16,004	\$17,191	\$18,688	\$18,503	\$19,197

PERCENT OF TOTAL DOLLARS

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Business Firms	75.5%	73.9%	74.8%	74.7%	73.6%
Educational	6.4%	5.3%	4.8%	4.8%	7.0%
Nonprofit	4.1%	5.1%	5.2%	5.0%	5.7%
JPL	10.7%	10.7%	11.4%	12.7%	11.8%
Gov't Agencies	1.0%	2.0%	2.1%	0.9%	0.8%
Outside U.S.	2.3%	3.0%	1.7%	1.9%	1.1%
Total	100%	100%	100%	100%	100%

Appendix I shows the distribution of NASA procurements by type of contractor for all Fiscal Years beginning with 1961.

COMPETITION IN NASA AWARDS

A. Competition in Contracting Act

The Competition in Contracting Act (P.L. 98-369), with limited exceptions, requires full and open competition within the Federal Government. Full and open competition means that all responsible sources are permitted to submit sealed bids or competitive proposals on a given procurement.

Contracting without providing for full and open competition is allowable under certain circumstances. Written justification is required to award a procurement on an other than full and open competition basis.

B. Reporting of Competition

NASA developed a competition advocacy program to enhance and promote competition and to eliminate barriers to full and open competition. NASA has appointed an agency competition advocate to oversee the program and each NASA Center has a designated competition advocate. Federal agencies are required to prepare and submit an annual report to the agency Senior Procurement Executive and the Chief Acquisition Officer in accordance with agency procedures.

C. Competition during Fiscal Year 2018

Appendix II shows Competition to Business Firms for all Fiscal Years beginning with 1961.



Shown below are trends in the extent of competition in awards to business firms for Fiscal Years 2014–2018.

Trends In Awards By Extent Of Competition Fiscal Years 2014–2018

Type Of Action	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Net Value of Awards (Millions)					
Total	<u>\$14,950</u>	<u>\$15,903</u>	<u>\$17,274</u>	<u>\$17,274</u>	<u>\$18,035</u>
Competed	\$10,067	\$10,783	\$11,981	\$11,724	\$12,175
Not Competed	\$4,883	\$5,115	\$5,293	\$5,551	\$5,860
Percent of Total					
Total	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
Competed	67.3	67.8	69.4	67.9	67.5
Not Competed	32.7	32.2	30.6	32.1	32.5

AWARDS TO BUSINESS FIRMS



Awards by Contract Type

Fiscal Year 2018 – The table below depicts the trends in awards to business firms by contract type. Figure 3, on the following page, categorizes Fiscal Year 2018 awards of new contracts and modifications to existing contracts. Since Fiscal Year 2007, NASA has seen steady growth in the use of Fixed Price awards instead of Award Fee awards wherever possible. Since that time, NASA has more than doubled the procurement dollars spent on Fixed Price awards, from \$2.1 billion in Fiscal Year 2007 to \$5 billion in Fiscal Year 2018. The percentage of Fixed Price actions has risen during the same time from 65.1 percent to over 73 percent.

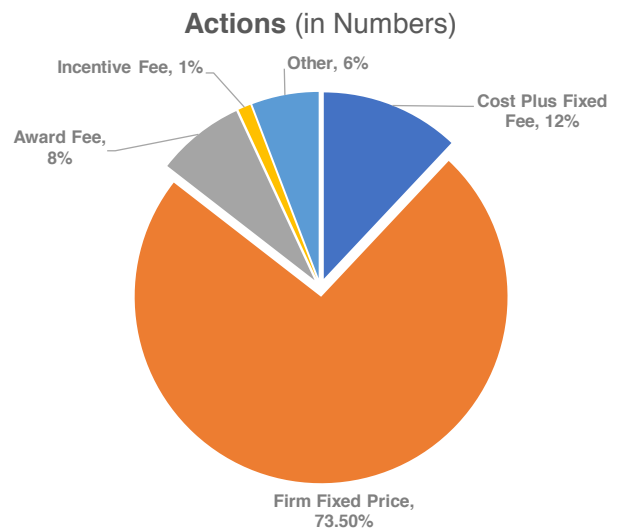
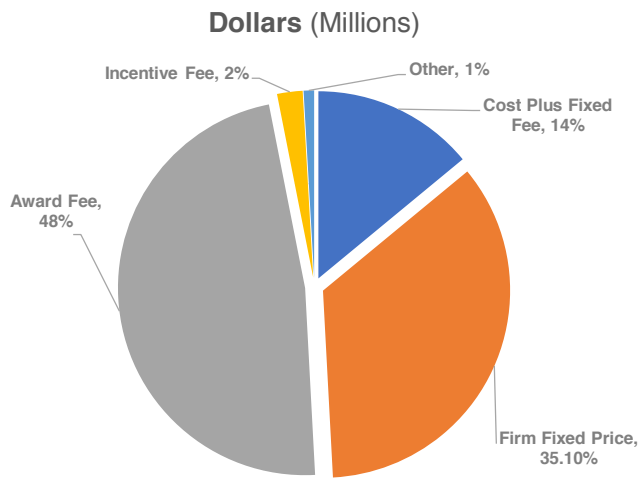
Trends In Awards To Business Firms By Contract Type* Fiscal Years 2014–2018

Procurement Dollars (In Millions)

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Firm Fixed Price	\$3,827	\$4,489	\$5,062	\$4,928	\$5,040
Incentive Fee**	353	369	295	233	\$310
Award Fee***	6,558	6,464	6,938	6760	\$6,817
Cost Plus Fixed Fee	1,526	1,695	3,963	2072	\$1,997
Other	179	183	142	141	\$141
TOTAL BUSINESS	\$12,443	\$13,201	\$16,400	\$14,134	\$14,305

PERCENT OF TOTAL DOLLARS

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Firm Fixed Price	26%	34%	31%	35%	35%
Incentive Fee	5%	3%	2%	1%	2%
Award Fee	56%	49%	42%	48%	48%
Cost Plus Fixed Fee	11%	13%	24%	15%	14%
Other	2%	1%	1%	1%	1%
TOTAL BUSINESS	100%	100%	100%	100%	100%



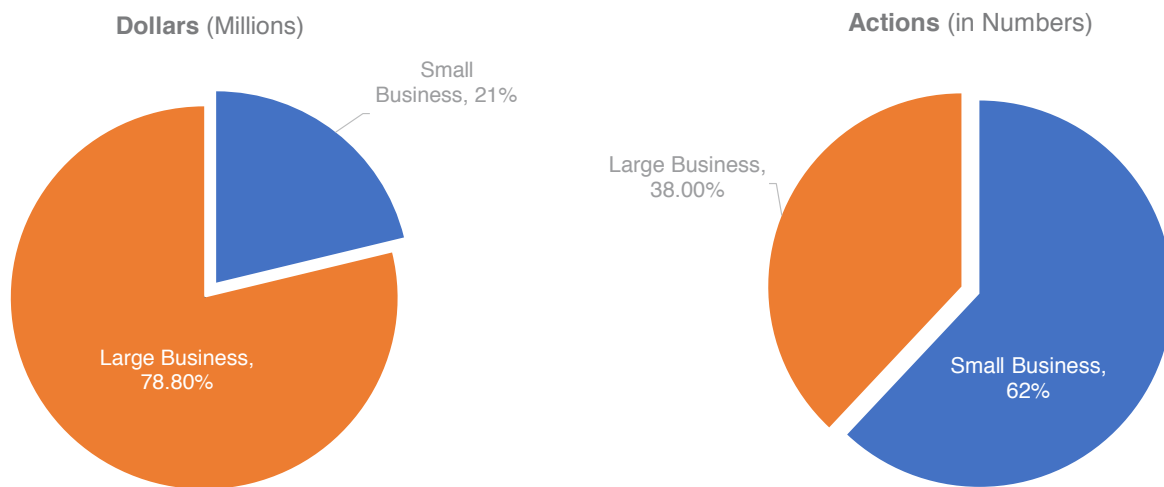
Category	Amount (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Firm Fixed Price	\$5,025.7	35.1%	18,605	73.4%
FP Level of Effort	\$14.2	0.1%	15	0.1%
Subtotal FFP	\$5,039.9	35.2%	18,620	73.5%
Incentive Fee:				
Fixed Price Incentive Fee	7.1	0.1%	23	0.1%
Cost Plus Incentive Fee	303.4	2.1%	246	1.0%
Subtotal Incentive Fee	\$310.5	2.2%	269	1.1%
Cost Plus Award Fee	6,807.2	47.6%	1,882	7.4%
Fixed Price Award Fee	9.3	0.1%	44	0.2%
Subtotal Award Fee	\$6,816.5	47.7%	1,926	7.6%
Cost Plus Fixed Fee	\$1,997.3	14.0%	3,045	12.0%
Other:				
Fixed Price Redetermination	0.0	0.0%	-	0.0%
Economic Price Adj.	13.9	0.1%	134	0.5%
Cost No Fee	19.8	0.1%	32	0.1%
Cost Sharing	11.6	0.1%	31	0.1%
Labor Hour	0.9	0.0%	20	0.1%
Time & Material	44.7	0.3%	444	1.8%
Order Dependent	-0.6	0.0%	169	0.7%
Combination	4.1	0.0%	24	0.1%
Other	0.0	0.0%	4	0.0%
Blank*	46.3	0.3%	621	2.5%
Subtotal Other:	\$140.7	0.9%	1,479	5.9%
Total	\$14,304.9	100.0%	25,339	100%

*Contract type not required on BPA Calls, Grants or Cooperative Agreements. Order Dependent applies to Indefinite Delivery Vehicles only. They allow pricing arrangement to be determined separately for each order. Combination and Other only apply to existing awards prior to 2010.

SMALL BUSINESS PARTICIPATION

Total Small Business – During Fiscal Year 2018, NASA awards to small business firms totaled \$2,993 million (below). The number of actions going to small business represents 62 percent of all business actions and 21 percent of all business dollars. In addition, the \$2,993 million includes \$649.6 million in new awards. This is an increase of more than \$80 million over Fiscal Year 17 levels. New awards to small business firms represented 61.3 percent of NASA's total new contract awards of \$1,060 million to all business firms during Fiscal Year 2018. This is more than a 13 percent increase from the previous year.

Small Business Participation Fiscal Year 2018



Category	Amount (\$ Millions)	Percent of Total	Actions (Number of)	Percent of Total
Large Business	\$11,138.4	78.8%	9,539	38.0%
Small Business	2,993.4*	21.2%	15,537	62%
TOTAL BUSINESS	\$12,443	100%	25,076	100%

*Includes \$684.9 million awarded to small disadvantaged firms under Authority of Section 8(a) of the Small Business Act. Also includes \$220.2 million awarded to small businesses through the Small Business Innovation Research and Small Business Technology Transfer Programs.

Excludes awards with Place of Performance outside the United States.



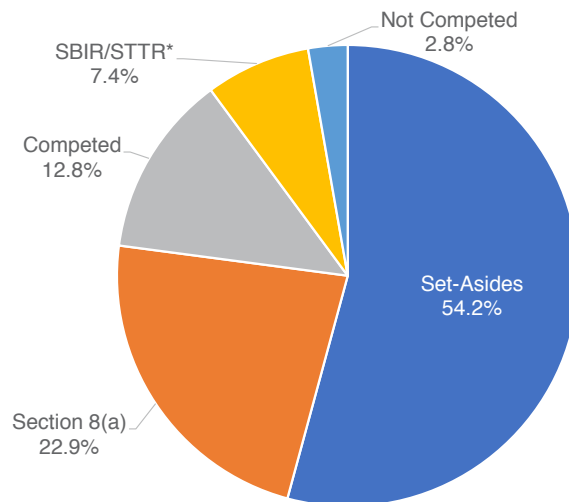
Small Business Programs and Categories

- (1) **Small Business Set-Asides** – Small business set-asides are defined as competitive awards that are limited only to small businesses. The small business set-aside program continues to exert a strong influence on the capability of small business firms to participate in the space program. In Fiscal Year 2018, these set-asides amounted to \$1,622.8 million.
- (2) **Section 8(a) Business Development Program Awards** – NASA awards contracts under the SBA's 8(a) program to eligible firms (typically small disadvantaged businesses). Awards are made on either a competitive or sole source basis. In FY 2018, 8(a) awards totaled \$684.9 million.
- (3) **Small Business Innovation Research (SBIR)** – The Small Business Innovation Research (SBIR) program is a highly competitive program that encourages domestic small businesses to engage in Federal Research/Research and Development (R/R&D) that has the potential for commercialization. During Fiscal Year 2018, NASA awarded 483 new SBIR contracts totaling \$160.5 million. Of this amount, 483 were Phase I awards totaling \$40 million and 115 were Phase II awards totaling \$120.7 million. Also in Fiscal Year 2018, NASA funded on-going Phase I and II contracts totaling \$6.7 million. Included in the total SBIR Phase I and II of \$177.5, awards of \$25.2 million, or 172 actions, were to small disadvantaged business firms, and \$17.2 million, or 113 actions, were to women-owned firms.
- (4) **Small Business Technology Transfer (STTR)** – The Small Business Technology Transfer (STTR) program expands public/private sector partnerships including joint venture opportunities for small businesses and nonprofit research institutions. STTR's most important role is to bridge the gap between performance of basic science and commercialization of resulting innovations. During Fiscal Year 2018, NASA awarded 16 new STTR contracts totaling \$8.2 million. Of this amount, 6 were Phase I awards totaling \$748,009, and 10 were Phase II awards totaling \$7.5 million. Also in Fiscal Year 2018, NASA funded on-going Phase I and II STTR contracts totaling \$2 million. Included in the total Phase I and II STTR awards of \$10.3 million are 28 actions for \$874,993 to small disadvantaged business firms, and 28 on-going actions to women-owned firms. These actions had no new obligations in Fiscal Year 18.
- (5) **Women-Owned Small Business Participation** – In accordance with Executive Order 12138, Women's Business Enterprise, NASA extends a particular effort to ensure that business firms owned and controlled by women have an equitable opportunity to participate in NASA's procurement program. In Fiscal Year 2018, Women-Owned Small Business firms received prime contract awards totaling \$772.6 million. Of this amount, \$439.5 million was awarded to Women-Owned Small Disadvantaged Businesses.
- (6) **HUBZone Small Business Awards** – NASA awarded \$89.9 million to HUBZone Small Business concerns in Fiscal Year 2018.
- (7) **Veteran-Owned Small Business Awards** – In Fiscal Year 2018, NASA awarded \$342.3 million to Veteran Owned Small Businesses. Of this amount, \$174.9 million was awarded to Service Disabled Veteran Owned Small Businesses.

EXTENT OF COMPETITION IN SMALL BUSINESS AWARDS

Competition To Small Business Firms

Fiscal Year 2018



Category	Amount (Millions)	Percent of Total
Set-Asides	\$1,622.8	54.2%
Section 8(a)	684.9	22.9%
Competed	382.9	12.8%
SBIR/STTR*	220.2	7.4%
Not Competed	82.6	2.8%
Total	\$2,993.4	100.0%

*Includes Phase III SBIR/STTR obligations (\$42.8 million).



Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during Fiscal Year 2018 totaled \$1,503.6 million. NASA makes continuing efforts to include disadvantaged business participation through direct awards and awards placed under the provisions of Section 8(a) of the Small Business Act.

Trends In Small And Small Disadvantaged Business Awards

Fiscal Years 2014–2018
(Millions Of Dollars)

Type Of Award	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Section 8(a)	\$548.0	\$551.4	\$620.9	621.5	\$684.9
Other Small Disadv. Business	<u>372.4</u>	<u>605.2</u>	<u>678.0</u>	<u>649.3</u>	<u>415.3</u>
Total	<u>\$1,153.2</u>	<u>\$1,229.4</u>	<u>\$1,270.2</u>	<u>\$1,036.8</u>	<u>\$1,503.6</u>

One Hundred Principal Contractors (Business Firms)

The 100 contractors that received the largest dollar value of NASA direct awards to business firms during Fiscal Year 2018 are shown below. The awards to these contractors accounted for 89.7 percent of the direct awards to business firms during the year. The smallest aggregate award to any contractor in the top 100 was in excess of \$11 million. Of the top 100 contractors, 50 were small business firms and of these 26 were disadvantaged firms at the time of award.

One Hundred Contractors (Business Firms) Listed According To Total Awards Received Fiscal Year 2018

(S=Small Business/D=Disadvantaged Business)

Contractor	Awards	
	Dollars	Percent
Total Awards To Business Firms	\$14,304,994,459	100%
1. BOEING COMPANY	\$2,249,521,027	15.73
2. LOCKHEED MARTIN CORP	\$1,308,359,533	9.15
3. JACOBS TECHNOLOGY	\$885,740,570	6.19
4. SPACE EXPLORATION TECHNOLOGIES CORP	\$699,173,222	4.89
5. ORBITAL SCIENCES CORP	\$653,879,439	4.57
6. UNITED LAUNCH SERVICES	\$455,470,330	3.18
7. SCIENCE APPLICATIONS INTERNATIONAL CORP	\$438,279,063	3.06
8. SIERRA NEVADA CORP	\$338,810,828	2.37
9. AEROJET ROCKETDYNE	\$313,503,840	2.19
10. ATK LAUNCH SYSTEMS	\$286,867,630	2.01
11. RAYTHEON	\$273,232,769	1.91
12. NORTHROP GRUMMAN SPACE & MISSION SYSTEMS CORP	\$246,134,143	1.72
13. SGT	\$212,387,058	1.48
14. HARRIS CORP	\$197,488,802	1.38
15. WYLE LABORATORIES	\$178,063,543	1.24
16. PERATON	\$176,695,091	1.24
17. URS FEDERAL SERVICES	\$171,621,035	1.20
18. SYNCOM SPACE SERVICES	\$153,153,340	1.07
19. AS & D	S D \$138,343,658	0.97
20. RUSSIA SPACE AGENCY	\$127,459,134	0.89
21. INUTEQ	S D \$126,426,599	0.88
22. SCIENCE SYSTEMS & APPLICATIONS	S \$123,998,918	0.87
23. GENERAL DYNAMICS ADVANCED INFORMATION SYSTEMS	\$116,809,802	0.82
24. BALL AEROSPACE & TECHNOLOGIES CORP	\$116,785,251	0.82
25. HP ENTERPRISE SERVICES	\$110,657,425	0.77
26. ATA AEROSPACE	S \$106,789,082	0.75

Awards

Contractor			Dollars	Percent
	27. NORTHROP GRUMMAN SYSTEMS CORP			\$104,262,406
28. MILLENNIUM ENGINEERING & INTEGRATION CO	S		\$95,383,185	0.67
29. KBRWYLE TECHNOLOGY SOLUTIONS			\$95,370,573	0.67
30. HAMILTON SUNDSTRAND SPACE SYSTEMS INTERNATIONAL			\$94,674,842	0.66
31. ARCTIC SLOPE TECHNICAL SERVICES	S	D	\$89,373,952	0.62
32. ZIN TECHNOLOGIES	S	D	\$85,300,932	0.60
33. LEIDOS INNOVATIONS CORP			\$68,641,091	0.48
34. PAE APPLIED TECHNOLOGIES			\$68,523,880	0.48
35. TELEDYNE BROWN ENGINEERING			\$67,495,316	0.47
36. ANALYTICAL MECHANICS ASSOCIATES	S		\$63,783,779	0.45
37. LJT & ASSOCIATES			\$61,876,463	0.43
38. PRECISION MECHANICAL	S		\$60,683,436	0.42
39. TRAX INTERNATIONAL CORP			\$57,774,558	0.40
40. BARRIOS TECHNOLOGY	S		\$57,011,420	0.40
41. CSRA			\$53,534,381	0.37
42. ALCYON TECHNICAL SERVICES	S	D	\$52,112,814	0.36
43. J P DONOVAN CONSTRUCTION	S		\$51,119,483	0.36
44. ADNEX SYSTEMS	S		\$49,292,871	0.34
45. HX5 SIERRA	S	D	\$48,217,918	0.34
46. AERIE AEROSPACE	S	D	\$47,267,369	0.33
47. SIERRA LOBO	S	D	\$44,031,983	0.31
48. MORI ASSOCIATES	S		\$43,795,801	0.31
49. MANUFACTURING TECHNICAL SOLUTIONS	S		\$40,558,472	0.28
50. BOOZ ALLEN HAMILTON			\$40,059,766	0.28
51. ASRC FEDERAL DATA SOLUTIONS	S	D	\$38,686,252	0.27
52. AI SOLUTIONS			\$37,946,944	0.27
53. ASRC RESEARCH & TECHNOLOGY SOLUTIONS	S	D	\$36,239,488	0.25
54. BASTION TECHNOLOGIES	S	D	\$36,100,167	0.25
55. MILLENNIUM ENGINEERING & INTEGRATION SERVICES	S		\$34,294,866	0.24
56. ALL POINTS LOGISTICS	S		\$34,004,937	0.24
57. VANTAGE PARTNERS	S		\$32,980,347	0.23
58. CHENEGA INFINITY	S	D	\$32,664,255	0.23
59. MANHATTAN CONSTRUCTION CO			\$31,142,300	0.22
60. COLSA CORP	S		\$30,212,369	0.21
61. PTSI MANAGED SERVICES			\$28,369,170	0.20
62. YULISTA TACTICAL SERVICES	S		\$27,484,995	0.19
63. DIGITAL MANAGEMENT	S	D	\$27,260,385	0.19
64. ENGILITY CORP			\$27,176,703	0.19
65. PEERLESS TECHNOLOGIES CORP	S	D	\$27,086,879	0.19

Contractor			Awards	
			Dollars	Percent
66. OMITRON	S		\$27,040,000	0.19
67. AKIMA SUPPORT OPERATIONS	S	D	\$25,029,630	0.17
68. SPACE SYSTEMS/LORAL			\$24,073,552	0.17
69. BUSINESS INTEGRA TECHNOLOGY SOLUTIONS	S	D	\$23,672,178	0.17
70. COMPUTER SCIENCES CORP			\$22,677,410	0.16
71. AMERICAN-PARAGON PROTECTIVE SERVICES	S	D	\$22,355,800	0.16
72. ARES TECHNICAL SERVICES CORP	S		\$22,315,280	0.16
73. EARTH RESOURCES TECHNOLOGY	S	D	\$22,313,164	0.16
74. L-3 COMMUNICATIONS VERTEX AEROSPACE			\$20,330,972	0.14
75. TRIDENT VANTAGE SYSTEMS	S	D	\$20,214,962	0.14
76. DYNETICS			\$19,681,454	0.14
77. CORNELL TECHNICAL SERVICES	S		\$19,662,647	0.14
78. COMMONWEALTH SCIENTIFIC & INDUSTRIAL RESEARCH ORG			\$18,167,634	0.13
79. AIR PRODUCTS & CHEMICALS			\$17,332,270	0.12
80. TECHTRANS INTERNATIONAL	S		\$17,138,508	0.12
81. FIRELAKE-ARROWHEAD NASA SERVICES	S	D	\$16,991,194	0.12
82. INTEGRATED MISSION SUPPORT SERVICES	S	D	\$16,753,836	0.12
83. WOLF CREEK FEDERAL SERVICES	S	D	\$16,692,306	0.12
84. GENERAL ATOMICS			\$16,524,935	0.12
85. AECOM TECHNICAL SERVICES			\$16,429,785	0.11
86. VICTORY SOLUTIONS	S		\$15,090,105	0.11
87. CHENEGA SECURITY & SUPPORT SOLUTIONS	S	D	\$14,335,619	0.10
88. AL RAZAQ COMPUTING SERVICES	S	D	\$14,271,679	0.10
89. CH2M HILL			\$14,264,793	0.10
90. FLORIDA POWER & LIGHT CO			\$14,157,976	0.10
91. CACI NSS			\$13,647,869	0.10
92. CH2M FACILITY SUPPORT SERVICES			\$12,966,005	0.09
93. SCIENCE & TECHNOLOGY CORP	S		\$12,607,129	0.09
94. TELEDYNE SCIENTIFIC & IMAGING			\$12,339,675	0.09
95. MADE IN SPACE	S		\$11,811,299	0.08
96. SWORD & SHIELD ENTERPRISE SECURITY	S		\$11,782,964	0.08
97. APACHE-LOGICAL	S	D	\$11,708,297	0.08
98. DIVERSIFIED CONSTRUCTION OF OKLAHOMA	S		\$11,708,021	0.08
99. AWD MGMT SERVICES	S	D	\$11,637,789	0.08
100. S P KOROLEV ROCKET & SPACE PUBLIC CORP ENERGIA			\$11,444,002	0.08
OTHER			\$1,478,375,840	10.3



CONTRACT FOR OPERATION OF THE JET PROPULSION LABORATORY

The Jet Propulsion Laboratory (JPL) is a federally funded research and development center operated for NASA by the California Institute of Technology. The Laboratory implements programs in planetary exploration, Earth science, space-based astronomy and technology development, while applying its capabilities to technical and scientific problems of national significance. The primary emphasis of the Laboratory's effort is to conduct robotic exploration of the solar system.

Total awards during Fiscal Year 2018 amounted to \$2,259.5 million. Of this amount, JPL awarded \$704.8 million as subcontracts with business firms.



AWARDS TO EDUCATIONAL AND OTHER NONPROFIT INSTITUTIONS

Distribution by Type of Institution and Award

During Fiscal Year 2018, NASA awarded \$2,443 million to educational and other nonprofit institutions. Of this amount, \$1,341.4 million was awarded to educational institutions and \$1,101.6 million to other nonprofit organizations. A breakout of these awards between contracts, grants and cooperative agreements is shown below.

Awards To Educational Institutions And Nonprofit Organizations*

Type of Award	Total (Millions)	Educational Institutions (Millions)	Nonprofit Organizations (Millions)
Contracts	\$781.8	\$205.4	\$576.4
Grants	630.2	508.5	121.7
Cooperative Agreements	340.2	168.2	172.0
Purchase/Delivery Orders	690.7	459.3	231.4
Total	\$2,443	\$1,341	\$1,102

* Excludes JPL and awards with a Place of Performance outside of the United States.

In addition to the \$630.2 million in grant awards to educational and nonprofit firms, NASA also awarded \$34.7 million in grants to business firms bringing the total grant awards to \$666 million. Cooperative Agreements were \$352 million when awards to business firms of \$11.6 million were included.

ONE HUNDRED PRINCIPAL EDUCATIONAL AND NONPROFIT INSTITUTIONS

The 100 educational and nonprofit institutions that received the largest dollar value of NASA awards during Fiscal Year 2018 are shown below.*

The awards to these institutions accounted for 93.3 percent of the total awards to educational and nonprofit institutions during the period. Of the top 100, 68 were educational institutions; 33 were nonprofit organizations.

*Excludes JPL

One Hundred Educational And Nonprofit Institutions Listed According To Total Awards Received Fiscal Year 2018 (NP=Nonprofit Institution)

Institution		Awards	
		Dollars	Percent
Total Awards To Educational & Nonprofit		\$2,480,699,152	100%
1.	CALIFORNIA INSTITUTE OF TECHNOLOGY	NP	\$469,107,241 18.91
2.	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY	NP	\$246,381,473 9.93
3.	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	NP	\$240,817,019 9.71
4.	UNIVERSITIES SPACE RESEARCH ASSOCIATION	NP	\$146,130,774 5.89
5.	UNIVERSITY OF CALIFORNIA		\$85,206,324 3.43
6.	UNIVERSITY OF COLORADO		\$78,041,754 3.15
7.	SMITHSONIAN INSTITUTION	NP	\$73,952,887 2.98
8.	SOUTHWEST RESEARCH INSTITUTE	NP	\$67,618,205 2.73
9.	UNIVERSITY OF MARYLAND		\$66,121,528 2.67
10.	AEROSPACE CORP	NP	\$52,155,598 2.10
11.	UNIVERSITY OF ARIZONA		\$48,377,868 1.95
12.	ARIZONA STATE UNIVERSITY		\$35,211,282 1.42
13.	UNIVERSITY OF ALABAMA		\$30,187,514 1.22
14.	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	NP	\$29,188,712 1.18
15.	INSTITUTO NACIONAL DE TECNICA AEROESPACIAL	NP	\$28,679,800 1.16
16.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY		\$28,066,600 1.13
17.	UNIVERSITY OF OKLAHOMA		\$24,028,163 0.97
18.	UNIVERSITY OF HAWAII		\$22,192,396 0.89
19.	JOHNS HOPKINS UNIVERSITY		\$21,085,708 0.85
20.	COLUMBIA UNIVERSITY		\$20,649,078 0.83
21.	UNIVERSITY OF MICHIGAN		\$19,977,102 0.81
22.	SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	NP	\$19,919,220 0.80
23.	UNIVERSITY OF WASHINGTON		\$17,893,135 0.72

Awards

Institution		Dollars	Percent
24.	BAY AREA ENVIRONMENTAL RESEARCH INSTITUTE	NP	\$17,760,060 0.72
25.	UNIVERSITY OF TEXAS		\$16,891,065 0.68
26.	UNIVERSITY OF ALASKA		\$16,156,595 0.65
27.	SETI INSTITUTE	NP	\$14,552,442 0.59
28.	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	NP	\$13,308,347 0.54
29.	STANFORD UNIVERSITY		\$13,282,296 0.54
30.	PENNSYLVANIA STATE UNIVERSITY		\$12,331,281 0.50
31.	GEORGIA TECH RESEARCH CORP	NP	\$11,930,927 0.48
32.	UNIVERSITY OF WISCONSIN		\$11,851,909 0.48
33.	VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY	NP	\$9,954,176 0.40
34.	PRINCETON UNIVERSITY		\$9,315,086 0.38
35.	UNIVERSITY OF NEW HAMPSHIRE		\$8,461,124 0.34
36.	PLANETARY SCIENCE INSTITUTE	NP	\$8,425,727 0.34
37.	OKLAHOMA STATE UNIVERSITY RESEARCH FOUNDATION	NP	\$8,145,199 0.33
38.	CORNELL UNIVERSITY		\$7,950,021 0.32
39.	OHIO STATE UNIVERSITY		\$7,809,829 0.31
40.	CATHOLIC UNIVERSITY OF AMERICA		\$7,659,952 0.31
41.	BREVARD ACHIEVEMENT CENTER	NP	\$6,992,435 0.28
42.	COLORADO STATE UNIVERSITY		\$6,736,438 0.27
43.	UTAH STATE UNIVERSITY RESEARCH FOUNDATION	NP	\$6,601,452 0.27
44.	TEXAS A & M UNIVERSITY		\$6,532,485 0.26
45.	UNIVERSITY OF ILLINOIS		\$6,360,486 0.26
46.	PURDUE UNIVERSITY		\$6,318,911 0.25
47.	BAYLOR COLLEGE OF MEDICINE		\$6,172,182 0.25
48.	WEST VIRGINIA UNIVERSITY RESEARCH CORP		\$6,116,291 0.25
49.	UNIVERSITY OF FLORIDA		\$6,003,948 0.24
50.	HAMPTON UNIVERSITY		\$5,987,796 0.24
51.	OREGON STATE UNIVERSITY		\$5,848,023 0.24
52.	NATIONAL ACADEMY OF SCIENCES	NP	\$5,578,515 0.22
53.	UNIVERSITY OF IOWA		\$5,555,013 0.22
54.	HARVARD COLLEGE		\$5,535,810 0.22
55.	MELWOOD HORTICULTURAL TRAINING CENTER	NP	\$5,360,600 0.22
56.	MICHIGAN TECHNOLOGICAL UNIVERSITY		\$5,356,968 0.22
57.	CITY OF HAMPTON**	NP	\$5,046,768 0.20
58.	UNIVERSITY OF CENTRAL FLORIDA		\$5,021,123 0.20
59.	UNIVERSITY OF MINNESOTA		\$4,933,754 0.20
60.	CHARLES STARK DRAPER LABORATORY	NP	\$4,737,866 0.19
61.	UNIVERSITY OF MASSACHUSETTS		\$4,686,545 0.19
62.	UNIVERSITY OF CHICAGO		\$4,610,521 0.19
63.	SRI INTERNATIONAL	NP	\$4,592,152 0.19

Awards

Institution		Dollars	Percent
64. WOODS HOLE OCEANOGRAPHIC INSTITUTION		\$4,562,608	0.18
65. BOSTON UNIVERSITY		\$4,555,803	0.18
66. LOGISTICS MANAGEMENT INSTITUTE	NP	\$4,513,043	0.18
67. WASHINGTON UNIVERSITY		\$4,418,379	0.18
68. GEORGE MASON UNIVERSITY		\$4,324,790	0.17
69. CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	NP	\$4,177,000	0.17
70. MONTANA STATE UNIVERSITY		\$4,131,738	0.17
71. UNIVERSITY OF TENNESSEE		\$3,984,385	0.16
72. SPACE SCIENCE INSTITUTE	NP	\$3,968,590	0.16
73. BROWN UNIVERSITY		\$3,891,205	0.16
74. UNIVERSITY OF PENNSYLVANIA		\$3,701,140	0.15
75. DEUTSCHES ZENTRUM FUR LUFT- UND RAUMFAHRT EV	NP	\$3,617,855	0.15
76. WILLIAM MARSH RICE UNIVERSITY		\$3,386,939	0.14
77. YALE UNIVERSITY		\$3,268,616	0.13
78. DARTMOUTH COLLEGE		\$3,212,731	0.13
79. UNIVERSITY OF MIAMI		\$3,119,568	0.13
80. VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY		\$2,924,682	0.12
81. NORTHERN ARIZONA UNIVERSITY		\$2,845,982	0.11
82. UNIVERSITY OF SOUTH FLORIDA		\$2,843,910	0.11
83. NEW MEXICO STATE UNIVERSITY		\$2,788,777	0.11
84. SOUTHERN RESEARCH INSTITUTE	NP	\$2,748,089	0.11
85. RUTGERS STATE UNIVERSITY		\$2,736,335	0.11
86. GEORGETOWN UNIVERSITY	NP	\$2,728,640	0.11
87. RESEARCH FOUNDATION CITY UNIVERSITY OF NEW YORK	NP	\$2,682,238	0.11
88. UNIVERSITY OF KANSAS CENTER FOR RESEARCH		\$2,665,285	0.11
89. UNIVERSITY OF VIRGINIA		\$2,657,242	0.11
90. UNIVERSITY OF UTAH		\$2,650,453	0.11
91. TEXAS A & M ENGINEERING EXPERIMENT STATION	NP	\$2,641,277	0.11
92. STONY BROOK UNIVERSITY	NP	\$2,490,267	0.10
93. LOUISIANA STATE UNIVERSITY		\$2,488,174	0.10
94. AMERICAN UNIVERSITY		\$2,467,841	0.10
95. FLORIDA STATE UNIVERSITY		\$2,446,309	0.10
96. UNIVERSITY OF IDAHO		\$2,423,663	0.10
97. UNIVERSITY OF DELAWARE		\$2,377,793	0.10
98. FOR INSPIRATION & RECOGNITION OF SCIENCE & TECH (FIRST)		\$2,316,000	0.09
99. NORTHWESTERN UNIVERSITY		\$2,199,956	0.09
100. ANTHONY WAYNE REHABILITATION CTR FOR HANDICAPPED & BLIND	NP	\$2,193,282	0.09
OTHER		\$166,087,068	6.65

**Local Governments, such as the City of Hampton, number 57, are not technically non-profits, but are treated as such in this report.

Awards By Type Of Effort

During Fiscal Year 2018, \$19,044 million was awarded in categories of research and development, services and supplies and equipment. A breakout of these awards by category is shown below. Not included are purchases less than the micropurchase threshold (\$3,500 through February 15, 2018 and \$10,000 since).

Category	Total (Millions)	Number of Actions
Total	\$ 19,044	39,316
Research & Development	\$ 10,701.0	19,422
Space Science & Applications	4428.2	13,282
Space Flight	1742.2	218
Aeronautics & Space Technology	1663.2	3,248
Space Station	653.9	315
Space Operations	363.7	145
Commercial Programs	0.6	13
Other Space R&D	200.7	159
Other R&D	1648	2,042
Services	\$ 6,465.0	14,277
Professional, Admin. & Mgmt. Support	2119.6	5,238
Transportation, Travel & Relocation Svc.	1824.1	422
Information Technology & Telecommunications	960.9	2,899
Operation of Structures/Facilities	361.8	377
Utilities & Housekeeping	351.4	849
Maint., Repair or Alteration Real Property	315.6	809
Construction of Structures & Facilities	183.6	738
Special Studies & Analyses-Not R&D	93.0	380
Architect & Engineering Services	85.1	527
Maint., Repair & Rebuilding of Equipment	75.1	548
Other Services	95.1	1,490
Supplies & Equipment	\$ 1,878.0	5,617
Space Vehicles	1320.2	1,380
Aircraft & Airframe Structural Components	196.2	389
Aircraft Components & Accessories	98.5	1,537
Instruments & Laboratory Equipment	68.3	330
Information Technology Equipment (Incl. Firmware), Software, Supplies & Support Equipment	54.0	482
Engines, Turbines & Components	33.3	21
Communication, Detection & Coherent Radiation Equip.	25.5	78
Fuels, Lubricants, Oils & Waxes	16.2	246
Electrical & Electronic Equip. Components	11.7	1,154
Chemicals & Chemical Products	7.5	0
Other Supplies & Equipment	46.6	0



NASA



AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During Fiscal Year 2018, \$151 million was awarded through other Government agencies. The following table shows the distribution of these awards by agency.

Awards Through Other Government Agencies

Fiscal Year 2018

Agency	Total (Millions)	Percent of Total
	\$151	100
Defense Department	46.4	30.6
Army	41.8	27.6
Air Force	20.9	13.8
Energy	20.4	13.5
Navy	5.7	3.8
General Services Administration	5.4	3.6
National Science Foundation	3.4	2.2
Commerce	2.3	1.5
Interior	2.1	1.4
Agriculture	0.6	0.4
Other Government Agencies	2.4	1.6

U.S. Geographical Distribution Of Awards

In Fiscal Year 2018, 50 states and the District of Columbia participated in NASA's direct awards. The distribution of awards is also shown by region. (See Page 30).

The categorization of NASA procurements by state is based on the location where the items are to be produced or supplied from stock, where the services will be performed or, with respect to construction contracts, the construction site. This table excludes awards outside the United States and awards that, for a number of reasons, may not have a place of performance listed. In Fiscal Year 2018, there were 3,810 actions with no Place of Performance. These actions totals \$3.5 million.

U.S. Geographical Distribution
of NASA Prime Contract Awards
Fiscal Year 2018

State	Total	Business	Educational & Nonprofit
TOTAL	\$15,337,984,697	\$12,952,534,388	\$2,385,450,309
ALABAMA	\$1,531,371,458	\$1,500,671,649	\$30,699,809
ALASKA	\$13,838,993	\$1,051,099	\$12,787,894
ARIZONA	\$367,663,227	\$270,380,783	\$97,282,444
ARKANSAS	\$1,900,990	\$406,075	\$1,494,915
CALIFORNIA	\$4,531,796,654	\$3,810,907,608	\$720,889,046
COLORADO	\$1,442,917,973	\$1,344,252,571	\$98,665,402
CONNECTICUT	\$28,225,883	\$23,506,188	\$4,719,695
DELAWARE	\$9,309,426	\$4,087,704	\$5,221,722
DIST COLUMBIA	\$137,601,361	\$105,323,903	\$32,277,458
FLORIDA	\$1,332,274,626	\$1,304,011,467	\$28,263,159
GEORGIA	\$20,760,571	\$6,288,685	\$14,471,886
HAWAII	\$22,356,852	\$5,449	\$22,351,403
IDAHO	\$3,727,435	\$157,058	\$3,570,377
ILLINOIS	\$24,168,795	\$10,330,084	\$13,838,711
INDIANA	\$196,033,740	\$189,275,119	\$6,758,621
IOWA	\$12,367,215	\$5,183,155	\$7,184,060
KANSAS	\$23,153,444	\$17,507,572	\$5,645,872
KENTUCKY	\$7,186,092	\$4,487,816	\$2,698,276
LOUISIANA	\$7,877,273	\$2,811,661	\$5,065,612
MAINE	\$4,525,743	\$1,031,943	\$3,493,800
MARYLAND	\$2,041,664,858	\$1,387,174,677	\$654,490,181
MASSACHUSETTS	\$171,451,249	\$43,028,794	\$128,422,455
MICHIGAN	\$37,166,116	\$8,677,867	\$28,488,249
MINNESOTA	\$10,530,146	\$5,774,554	\$4,755,592
MISSISSIPPI	\$388,872,505	\$386,505,279	\$2,367,226
MISSOURI	\$25,796,896	\$19,285,403	\$6,511,493
MONTANA	\$8,237,579	\$2,928,182	\$5,309,397
NEBRASKA	\$2,731,372	\$632,781	\$2,098,591
NEVADA	\$41,035,765	\$37,911,461	\$3,124,304
NEW HAMPSHIRE	\$32,799,959	\$18,811,670	\$13,988,289
NEW JERSEY	\$27,514,014	\$12,318,435	\$15,195,579
NEW MEXICO	\$43,110,099	\$36,619,751	\$6,490,348
NEW YORK	\$75,682,025	\$32,294,274	\$43,387,751
NORTH CAROLINA	\$19,724,645	\$10,992,248	\$8,732,397
NORTH DAKOTA	\$1,726,076	\$24,879	\$1,701,197
OHIO	\$198,135,242	\$174,039,057	\$24,096,185
OKLAHOMA	\$34,271,230	\$118,306	\$34,152,924
OREGON	\$16,132,636	\$8,979,165	\$7,153,471
PENNSYLVANIA	\$41,293,890	\$20,901,687	\$20,392,203
RHODE ISLAND	\$5,093,783	\$260,612	\$4,833,171

State	Total	Business	Educational & Nonprofit
SOUTH CAROLINA	\$11,892,346	\$6,692,729	\$5,199,617
SOUTH DAKOTA	\$6,057,406	\$3,556,024	\$2,501,382
TENNESSEE	\$17,368,880	\$10,878,175	\$6,490,705
TEXAS	\$1,297,673,432	\$1,187,405,034	\$110,268,398
UTAH	\$302,974,806	\$291,778,228	\$11,196,578
VERMONT	\$2,498,521	\$1,009,747	\$1,488,774
VIRGINIA	\$628,475,155	\$557,361,601	\$71,113,554
WASHINGTON	\$68,975,293	\$47,616,527	\$21,358,766
WEST VIRGINIA	\$39,974,089	\$33,003,133	\$6,970,956
WISCONSIN	\$17,755,335	\$4,030,508	\$13,724,827
WYOMING	\$2,311,598	\$246,011	\$2,065,587

U.S. Geographical Distribution Of NASA Prime Contract Awards

Fiscal Year 2018

Region & State	Total		
GRAND TOTAL	\$15,337,984,697	PLAINS	\$82,362,555
		Iowa	12,367,215
		Kansas	23,153,444
		Minnesota	10,530,146
		Missouri	25,796,896
		Nebraska	2,731,372
		North Dakota	1,726,076
		South Dakota	6,057,406
NEW ENGLAND	\$244,595,138	SOUTHWEST	\$1,742,717,988
Connecticut	28,225,883	Arizona	367,663,227
Maine	4,525,743	New Mexico	43,110,099
Massachusetts	171,451,249	Oklahoma	34,271,230
New Hampshire	32,799,959	Texas	1,297,673,432
Rhode Island	5,093,783		
Vermont	2,498,521	ROCKY MOUNTAIN	\$1,760,169,391
MID ATLANTIC	\$2,333,065,574	Colorado	1,442,917,973
Delaware	9,309,426	Idaho	3,727,435
Dist Columbia	137,601,361	Montana	8,237,579
Maryand	2,041,664,858	Utah	302,974,806
New Jersey	27,514,014	Wyoming	2,311,598
New York	75,682,025		
Pennsylvania	41,293,890	FAR WEST	\$4,657,940,348
SOUTHEAST	\$4,007,678,630	California	4,531,796,654
Alabama	1,531,371,458	Nevada	41,035,765
Arkansas	1,900,990	Oregon	16,132,636
Florida	1,332,274,626	Washington	68,975,293
Georgia	20,760,571		
Kentucky	7,186,092	ALASKA & HAWAII	\$36,195,845
Louisiana	7,877,273	Alaska	13,838,993
Mississippi	388,872,505	Hawaii	22,356,852
North Carolina	19,724,645		
South Carolina	11,892,346		
Tennessee	17,368,880		
Virginia	628,475,155		
West Virginia	39,974,089		
GREAT LAKES	\$473,259,228		
Illinois	24,168,795		
Indiana	196,033,740		
Michigan	37,166,116		
Ohio	198,135,242		
Wisconsin	17,755,335		

Awards Placed Outside The United States

During Fiscal Year 2018, NASA placed \$210.8 million in awards that are being performed outside of the United States. These awards are being performed in 27 countries*.

Place of Performance

Direct NASA Awards	\$210,846,151
 Australia	19,171,381
 Belgium	13,980
 Bermuda	421,832
 Brazil	286,531
 Canada	3,078,424
 Costa Rica	16,784
 Czech Republic	1,540
 Finland	59,321
 France	1,373,048
 Germany	4,940,573
 India	13,010
 Israel	2,512,813
 Italy	56,526
 Japan	12,350
 Latvia	16,500
 Netherlands	1,378,885
 New Zealand	17,800
 Norway	5,189,156
 Peru	324,046
 Russia	138,903,136
 South Africa	45,890
 Spain	29,320,450
 Sweden	537,526
 Switzerland	1,156,433
 Taiwan	43,050
 Ukraine	28,985
 United Kingdom	1,926,181

* Does not include obligations of \$1.3 million to Puerto Rico, \$553,756 to the Virgin Islands, or \$124,912 to Guam, all of which are U.S. territories.



Procurement Activity By Installation

Most of NASA's purchases and contracts are made by the procurement offices of its field installations.

Installation	Total (Millions) of Total	Percent
Total	\$19,045	100%
Johnson Space Center	3,997.5	21%
Goddard Space Flight Center	3,513.3	19%
NASA Management Office*	2,779.6	15%
Marshall Space Flight Center	2,522.6	13%
Kennedy Space Center	2,305.2	12%
NASA Shared Services Center	1,714.1	9%
Ames Research Center	631.1	3%
Glenn Research Center	444.8	3%
Langley Research Center	432.9	2%
NASA Headquarters	256.1	1%
Stennis Space Center	225.3	1%
Armstrong Flight Research Center	222.7	1%

*Includes both the Jet Propulsion Laboratory & the Applied Physics Laboratory.

Glossary

The data contained in this publication were compiled on the basis of the definitions given below:

1. Sealed Bids – Procurement actions resulting from acceptance of bids made by contractors in response to invitations for bid.
2. Award – See procurement action.
3. Coverage
 - a. Summary data are provided in terms of obligations on all procurement actions (see item 8). The obligation data are obtained from the Federal Procurement Data System (FPDS-NG).
 - b. Detailed data – Information on procurements includes all contracts, grants and cooperative agreements. Wherever exclusions apply, a generalized footnote is provided.
4. Intragovernmental – Procurement actions placed through other Government agencies, except orders placed under Federal Supply Schedule contracts and awards to small disadvantaged business through the Small Business Administration under Section 8(a) of the Small Business Act.
5. Modifications – Any written alteration in the specifications, delivery point, contract period, price, quantity or other contract requirement of an existing contract, whether accomplished by unilateral action in accordance with a contract clause or by mutual agreement of the parties to the contract. It includes (a) bilateral actions, such as supplemental agreements, and (b) unilateral actions, such as change orders, notices of termination and notices of the exercise of an option.
6. Competitive – Procurements where offers are solicited from more than one responsible offeror capable of satisfying the Government's requirements wholly or partially, and the award or awards were made on the basis of price, design or technical competition.
7. Other than Competitive – Procurements where an offer was solicited and received from only one responsible offeror capable of satisfying the Government's requirements wholly or partially. (Includes contracts resulting from unsolicited proposals.)
8. Procurement Action (Award) – Any contractual action to obtain supplies, services or construction that increases or decreases funds, including:
 - a. Letter contracts or other preliminary notices of negotiated awards.
 - b. Definitive contracts, including purchase orders.
 - c. Orders under GSA Federal Supply Schedule contracts and basic ordering agreements and against indefinite delivery type contracts.
 - d. Intragovernmental orders.
 - e. Grants.
 - f. Cooperative Agreements.
 - g. Supplemental agreements, change orders, administrative changes and terminations to existing procurements.
9. Small Business – For purposes of Government procurement, a small business is a profit making concern, including its affiliates, which is independently owned and operated, is not dominant in its field and further qualifies under the size standards criteria of the Small Business Administration (SBA). These criteria are published under Title 13 of the Code of Federal Regulations, Section 121.3-8, and in the Federal Acquisition Regulation, Part 19, Subpart 19.1. For service industries, the size standard generally is based on average annual receipts over a three year period, depending on the service to be procured. Generally, in the case of agricultural or manufactured products, the size standards are determined on the basis of number of employees. The applicable size standard is prescribed in each NASA solicitation.

Appendix I

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 1961 – 1970

Type	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970
					Net Value of Awards (Millions)					
Total	\$755.5	\$1,550.6	\$3,230.5	\$4,593.9	\$5,187.4	\$5,031.6	\$4,650.9	\$4,132.7	\$3,652.0	\$3,405.6
Business Firms	423.3	1,030.1	2,261.7	3,521.1	4,141.4	4,087.7	3,864.1	3,446.7	3,022.3	2,759.2
Educational	24.5***	50.2***	86.9	112.9	139.5	150.0	132.9	131.5	131.3	134.3
Nonprofit			15.3	29.1	25.3	27.7	39.6	33.6	32.3	33.0
JPL	86.0	148.5	230.2	226.2	247.2	230.3	222.2	207.2	156.3	179.8
Government	221.7	321.8	628.5	692.6	622.8	512.5	366.9	287.0	279.0	265.8
Outside U.S.	*	*	7.9	12.0	11.2	23.4	25.2	26.7	30.8	33.5
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	56	66	70	77	79	81	83	83	83	81
Educational	3***	3***	3	2	3	3	3	3	4	4
Nonprofit			**	1	1	1	1	1	1	1
JPL	12	10	7	5	5	5	5	5	4	5
Government	29	21	20	15	12	10	8	7	7	8
Outside U.S.	*	*	**	**	**	*	*	1	1	1

*Included in Government.

**Less than 0.5 percent.

***Combined total of Educational and Nonprofit values.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 1971 – 1979

Type	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 1977**	FY 1977	FY 1978	FY 1979
					Net Value of Awards (Millions)					
Total	\$2,858.2	\$2,737.8	\$2,673.4	\$2,713.6	\$2,866.4	\$3,204.6	\$829.8	\$3,532.3	\$3,659.6	\$4,211.8
Business Firms	2,279.5	2,143.3	2,063.8	2,118.6	2,255.0	2,536.1	663.2	2,838.1	2,953.8	3,416.4
Educational	133.9	118.8	111.7	97.8	111.4	123.0	27.7	125.5	137.2	147.2
Nonprofit	29.3	28.0	26.4	39.3	33.0	32.0	7.6	32.0	42.8	50.8
JPL	173.3	210.8	202.3	215.2	234.5	263.7	63.6	289.0	283.8	338.6
Government	212.5	207.8	235.2	208.6	198.3	222.4	63.9	223.2	216.0	221.4
Outside U.S.	29.7	29.1	34.0	34.1	34.2	27.4	3.8	24.5	26.0	37.4
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	78	77	78	79	79	80	80	81	81
Educational	5	4	4	4	4	4	3	4	4	4
Nonprofit	1	1	1	1	1	1	1	1	1	1
JPL	6	8	8	8	8	8	8	8	8	8
Government	7	8	9	8	7	7	8	6	5	5
Outside U.S.	1	1	1	1	1	1	*	1	1	1

*Less than 0.5 percent.

**FY1977 represents the transition from a June-July Fiscal Year to the October-September Fiscal Year.

**DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 1980 – 1989**

Type	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986	FY 1987	FY 1988	FY 1989
					Net Value of Awards (Millions)					
Total	\$4,842.6	\$5,408.3	\$5,883.7	\$6,796.8	\$7,354.1	\$8,298.0	\$8,179.7	\$8,609.8	\$9,545.1	\$10,876.4
Business Firms	3,868.3	4,272.8	4,805.6	5,586.0	5,967.4	6,652.9	6,356.0	6,540.5	7,274.9	8,567.6
Educational	177.0	192.5	187.0	211.3	222.6	256.9	276.6	315.4	370.3	464.2
Nonprofit	82.2	155.1	108.8	102.5	98.6	103.1	119.0	119.1	129.5	180.0
JPL	397.2	410.8	426.3	454.9	533.1	724.6	891.3	1,005.6	979.9	1,058.1
Government	271.8	321.9	308.1	394.2	494.3	525.1	489.7	594.9	734.6	543.2
Outside U.S.	46.1	55.2	47.9	47.9	38.1	35.4	47.1	34.3	55.9	63.3
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	79	82	82	81	80	78	76	76	79
Educational	3	3	3	3	3	3	3	4	4	4
Nonprofit	2	3	2	1	1	1	1	1	1	2
JPL	8	8	7	7	7	9	11	12	10	10
Government	6	6	5	6	7	6	6	7	8	5
Outside U.S.	1	1	1	1	1	1	1	*	1	*

*Less than 0.5 percent.

**DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 1990 – 1999**

Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
					Net Value of Awards (Millions)					
Total	-	-	-	-	-	-	-	-	-	-
Business Firms	10,071.5	10,417.3	10,716.7	10,497.9	9,965.7	10,311.5	9,800.8	9,817.2	9,550.5	9,386.5
Educational	513.6	592.0	659.3	707.8	730.9	814.4	745.7	807.7	898.1	1,019.0
Nonprofit	200.6	244.0	297.8	336.6	311.0	311.1	287.9	383.4	406.3	431.2
JPL	1,106.8	1,139.6	1,229.6	1,029.8	1,093.4	1,135.0	1,188.3	1,126.2	1,171.3	1,294.6
Government	610.4	693.4	498.6	508.4	642.6	562.7	484.7	464.3	407.7	389.6
Outside U.S.	62.3	72.7	76.2	79.9	169.5	206.7	191.8	190.7	127.3	153.7
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	79	79	80	77	77	77	77	76	74
Educational	4	4	5	5	6	6	6	6	7	8
Nonprofit	2	2	2	3	2	2	2	3	3	4
JPL	9	9	9	8	9	9	9	9	9	10
Government	5	5	4	4	5	4	4	4	4	3
Outside U.S.	*	1	1	*	1	2	2	1	1	1

*Less than 0.5 percent.

Appendix II

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS FISCAL YEARS 1961 – 1970

Type of Action	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970
					Net Value of Awards (Millions)					
Total Business	\$423.3	\$1,030.1	\$2,261.7	\$3,521.1	\$4,141.4	\$4,087.7	\$3,864.1	\$3,446.7	\$3,022.3	\$2,759.2
New Awards*	**	322.6	758.6	685.4	629.2	536.4	694.7	483.7	496.5	619.7
Modifications	**	707.5	1,503.1	2,835.7	3,512.2	3,551.3	3,169.4	2,963.0	2,525.8	2,139.5
Competitive	276.8	565.8	1,302.0	2,119.5	2,630.1	2,692.5	2,698.4	2,185.1	1,632.7	1,628.7
New Awards*	**	167.1	427.1	375.9	334.5	304.2	325.2	271.9	186.7	277.5
Modifications	**	398.7	874.9	1,743.6	2,295.6	2,388.3	2,373.2	1,913.2	1,446.0	1,351.2
Noncompetitive	146.5	464.3	959.7	1,401.6	1,511.3	1,395.2	1,165.7	1,261.6	1,389.6	1,130.5
New Awards*	**	155.5	331.5	309.5	294.7	232.2	369.5	211.8	309.8	342.2
Modifications	**	308.8	628.2	1,092.1	1,216.6	1,163.0	796.2	1,049.8	1,079.8	788.3
					Percent of Total					
Total Business	100	100	100	100	100	100	100	100	100	100
New Awards*	**	31	34	20	15	13	18	14	16	22
Modifications	**	69	66	80	85	87	82	86	84	78
Competitive	65	55	58	60	63	66	70	63	54	59
New Awards*	**	16	19	11	8	7	8	8	6	10
Modifications	**	39	39	49	55	59	62	55	48	49
Noncompetitive	35	45	42	40	37	34	30	37	46	41
New Awards*	**	15	15	9	7	6	10	6	10	12
Modifications	**	30	27	31	30	28	20	31	36	29

*Data on new contracts are restricted to contracts of \$10,000 and over.

**Data not compiled

**COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1971 – 1979**

Type of Action	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 1977**	FY 1977	FY 1978	FY 1979
					Net Value of Awards (Millions)					
Total Business	\$2,279.5	\$2,143.3	\$2,063.8	\$2,118.6	\$2,255.0	\$2,536.1	\$663.2	\$2,838.1	\$2,953.8	\$3,416.4
New Awards*	563.0	462.5	489.5	552.4	452.0	486.3	76.4	552.5	633.1	516.6
Modifications	1,716.5	1,680.8	1,574.3	1,566.2	1,803.0	2,049.8	586.8	2,285.6	2,320.7	2,899.8
Competitive	1,331.8	1,311.8	1,275.6	1,394.9	1,554.6	1,879.5	490.9	2,060.4	2,111.5	2,541.1
New Awards*	306.6	257.0	308.1	279.5	223.9	291.3	46.8	301.7	362.1	304.0
Modifications	1,025.2	1,054.8	967.5	1,115.4	1,330.7	1,588.2	444.1	1,758.7	1,749.4	2,237.1
Noncompetitive	947.7	831.5	788.2	723.7	700.4	656.6	172.3	777.7	842.3	875.3
New Awards*	256.4	205.5	181.4	272.9	228.1	195.0	29.6	250.8	271.0	212.6
Modifications	691.3	626.0	606.8	450.8	472.3	461.6	142.7	526.9	571.3	662.7
					Percent of Total					
Total Business	100	100	100	100	100	100	100	100	100	100
New Awards*	24	22	24	26	20	19	11	20	22	15
Modifications	76	78	76	74	80	81	89	80	78	85
Competitive	58	61	62	66	69	74	74	73	72	74
New Awards*	13	12	15	13	10	11	7	11	13	9
Modifications	45	49	47	53	59	63	67	62	59	65
Noncompetitive	42	39	38	34	31	26	26	27	28	26
New Awards*	11	10	9	13	10	8	4	9	9	6
Modifications	31	29	29	21	21	18	22	18	19	20

*Data on new contracts are restricted to contracts of \$10,000 and over.

**FY 1977 represents the transition from a June-July Fiscal Year to the October-September Fiscal Year.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1980 – 1985**

Type of Action	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985
			Net Value of Awards (Millions)			
Total Business	\$3,820.4	\$4,208.2	\$4,724.5	\$5,501.2	\$5,859.3	\$6,525.9
New Awards*	634.3	479.3	717.6	761.0	716.6	775.9
Modifications	3,186.1	3,728.9	4,006.9	4,740.2	5,142.7	5,750.0
Competitive	2,858.1	3,127.7	3,436.5	3,845.3	4,286.6	5,030.2
New Awards*	382.5	257.8	351.9	446.2	426.0	533.5
Modifications	2,475.6	2,869.9	3,084.6	3,399.1	3,860.6	4,496.7
Other Than Competitive	962.3	1,080.5	1,288.0	1,655.9	1,572.7	1,495.7
New Awards*	251.8	221.5	365.7	314.8	290.6	242.4
Modifications	710.5	859.0	922.3	1,341.1	1,282.1	1,253.3
		Percent of Total				
Total Business	100	100	100	100	100	100
New Awards*	17	11	15	14	12	12
Modifications	83	89	85	86	88	88
Competitive	75	74	72	70	73	77
New Awards*	10	6	7	8	7	8
Modifications	65	68	65	62	66	69
Other Than Competitive	25	26	28	30	27	23
New Awards*	7	5	8	6	5	4
Modifications	18	21	20	24	22	19

*Data on new contracts are restricted to contracts of \$10,000 and over.

**Excludes 8(a) awards.

**COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1986 – 1995**

Type of Action	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995
					Net Value of Awards (Millions)					
Total Available	\$7,310.3	\$6,575.3	\$7,350.4	\$8,705.5	\$10,202.3	\$10,562.7	\$10,877.3	\$10,649.1	\$10,138.4	\$10,525.6
Competed	4,950.1	5,031.7	5,890.3	6,995.8	8,318.4	8,169.8	8,660.9	8,635.6	7,202.3	6,944.6
New Awards	772.5	827.3	1,091.0	891.7	1,059.6	679.5	699.1	766.7	1,155.9	874.2
Modifications	4,177.6	4,204.4	4,799.3	6,104.1	7,258.8	7,490.3	7,961.8	7,868.9	6,046.4	6,070.4
Not Competed	2,143.1	1,445.7	1,279.4	1,376.3	1,338.5	782.8	780.2	699.0	1,790.2	2,532.2
New Awards	289.4	404.5	193.0	214.7	244.5	123.6	161.8	241.4	1,267.9	456.5
Modifications	1,853.7	1,041.2	1,086.4	1,161.6	1,094.0	659.2	618.4	457.6	522.3	2,075.7
Follow-On	217.1	97.9	180.7	333.4	545.4	1,610.1	1,436.2	1,314.5	1,145.9	1,048.8
New Awards	15.1	0.5	160.1	1.2	138.4	595.5	6.8	0.5	9.9	106.5
Modifications	202.0	97.4	20.6	332.2	407.0	1,014.6	1,429.4	1,314.0	1,136.0	942.3
					Percent of Total					
Total Available	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Competed	67.7	76.5	80.1	80.4	81.5	77.3	79.6	81.1	71.0	66.0
New Awards	10.6	12.6	14.8	10.3	10.4	6.4	6.4	7.2	11.4	8.3
Modifications	57.1	63.9	65.3	70.1	71.1	70.9	73.2	73.9	59.6	57.7
Not Competed	29.3	22.0	17.4	15.8	13.1	7.4	7.2	6.6	17.7	24.0
New Awards	3.9	6.2	2.6	2.5	2.4	1.2	1.5	2.3	12.5	4.3
Modifications	25.4	15.8	14.8	13.3	10.7	6.2	5.7	4.3	5.2	19.7
Follow-On	3.0	1.5	2.5	3.8	5.4	15.3	13.2	12.3	11.3	10.0
New Awards	0.2	*	2.2	*	1.4	5.7	0.1	*	0.1	1.0
Modifications	2.8	1.5	0.3	3.8	4.0	9.6	13.1	12.3	11.2	9.0
*Less than 0.5 percent.										

**COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1996 – 2005**

Type of Action	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
					Net Value of Awards (Millions)					
<u>Total Available</u>	<u>\$10,064.4</u>	<u>\$10,004.8</u>	<u>\$9,696.2</u>	<u>\$9,635.0</u>	<u>\$9,626.9</u>	<u>\$9,690.6</u>	<u>\$10,124.5</u>	<u>\$10,393.3</u>	<u>\$9,630.8</u>	<u>\$12,201.9</u>
Competed	6,486.7	5,399.4	5,255.3	5,459.6	5,384.4	5,743.9	5,763.5	5,979.0	5,653.5	5,998.7
New Awards	951.1	750.2	792.6	803.4	1,065.2	1,041.6	752.1	861.5	1,198.8	*
Modifications	5,535.6	4,649.2	4,462.7	4,656.2	4,319.2	4,702.3	5,011.4	5,117.5	4,454.7	*
Not Competed	2,661.2	3,816.1	3,643.1	3,325.3	3,512.4	3,482.7	3,858.8	3,857.6	3,426.9	6,088.5
New Awards	283.5	177.8	182.5	128.2	312.1	140.4	387.3	405.8	159.4	*
<u>Modifications</u>	<u>2,377.7</u>	<u>3,638.3</u>	<u>3,460.6</u>	<u>3,197.1</u>	<u>3,200.3</u>	<u>3,342.3</u>	<u>3,471.5</u>	<u>3,451.8</u>	<u>3,267.5</u>	*
Follow-On	916.4	789.3	797.8	850.1	730.1	464.0	502.2	556.7	550.4	114.8
New Awards	0.5	12.3	65.0	208.1	299.8	6.4	1.9	81.1	6.4	*
Modifications	915.9	777.0	732.8	642.0	430.3	457.6	500.3	475.6	544.0	*
					Percent of Total					
Total Available	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Competed	64.5	54.0	54.2	56.7	56.0	59.3	56.9	57.5	58.7	49.2
New Awards	9.5	7.5	8.2	8.4	11.1	10.8	7.4	8.3	12.5	*
Modifications	55.0	46.5	46.0	48.3	44.9	48.5	49.5	49.2	46.2	*
Not Competed	26.4	38.1	37.6	34.5	36.5	35.9	38.1	37.1	35.5	49.9
New Awards	2.8	1.7	1.9	1.3	3.3	1.4	3.8	3.9	1.6	*
Modifications	23.6	36.4	35.7	33.2	33.2	34.5	34.3	33.2	33.9	*
Follow-On	9.1	7.9	8.2	8.8	7.5	4.8	5.0	5.4	5.7	0.9
New Awards	0.0	0.1	0.7	2.1	3.1	0.1	0.1	0.8	0.1	*
Modifications	9.1	7.8	7.5	6.7	4.4	4.7	4.9	4.6	5.6	*

*FY 2005 data is obtained from the FPDS-NG system. Breakout between New Awards & Modifications is not available.

**COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 2006 – 2015**

Type of Action	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
					Net Value of Awards (Millions)					
Total Available	\$10,678.3	\$12,707.6	\$14,666.8	\$15,150.2	\$16,016.5	\$15,355.8	\$15,133.9	\$14,210.7	\$14,950.5	\$15,902.8
Competed	6,356.4	6,253.4	7,645.7	8,121.4	8,865.3	8,806.9	9,331.4	9,261.4	10,066.9	10,787.8
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Not Competed**	4,235.1	4,603.4	5,537.4	5,487.1	5,343.3	6,548.9	5,802.5	4,949.0	4,883.4	5,114.9
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	-	-	-	-	-	-	-	-	-	-
Follow-On***	86.8	1,850.8	1,783.9	1,541.7	1,807.9	***	***	***	***	***
New Awards	*	*	*	*	*					
Modifications	*	*	*	*	*					
					Percent of Total					
Total Available	100	100	100	100	100	100	100	100	100	100
Competed	49.2	49.1	52.1	53.6	55.3	57.4	61.7	65.2	67.3	67.8
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Not Competed	49.9	36.3	35.7	36.2	33.4	42.6	38.3	34.8	32.7	32.2
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Follow-On***	0.9	14.6	12.2	10.2	11.3	***	***	***	***	***
New Awards	*	*	*	*	*					
Modifications	*	*	*	*	*					

*Beginning in FY 2006, data is obtained from the FPDS-NG system. Breakout between New Awards & Modifications is not available.

**Beginning in FY 2008 Not Competed dollars include Not Available for Competition dollars.

***Beginning in FY 2011, Not Competed dollars include Follow-Ons.

**COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 2016 – 2018**

Type of Action	FY 2016	FY 2017	FY 2018
Net Value of Awards (Millions)			
<u>Total Available</u>	<u>\$17,274</u>	<u>\$17,274</u>	<u>\$18,035</u>
Competed	11,981	11,724	12,175
Not Competed	5,293	5,551	5,860
Percent of Total			
Total Available	100	100	100
Competed	69.4	69.4	67.5
Not Competed	30.6	30.6	32.5

Appendix III

SMALL BUSINESS PARTICIPATION IN NASA PROCUREMENTS FISCAL YEARS 1961 – 1990 (Millions of Dollars)

	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970
Total Business	\$423.3*	\$1,030.1	\$2,261.7	\$3,521.1	\$4,141.4	\$4,087.7	\$3,864.1	\$3,446.1	\$3,022.3	\$2,759.2
Small Business	63.5	123.6	191.3	240.3	286.3	255.9	216.9	189.6	162.8	161.2
% of Total	15.0	12.0	8.5	6.8	6.9	6.3	5.6	5.5	5.4	5.8
Set-Asides	6.0	14.0	26.0	39.5	67.4	50.6	45.7	34.0	31.4	35.7
% of Total	1.4	1.3	1.1	1.1	1.6	1.2	1.2	1.0	1.0	1.3
% of Small	9.4	11.3	13.6	16.4	23.5	19.8	21.1	17.9	19.3	22.1
	<u>FY 1971</u>	<u>FY 1972</u>	<u>FY 1973</u>	<u>FY 1974</u>	<u>FY 1975</u>	<u>FY 1977</u>	<u>FY 1977</u>	<u>FY 1978</u>	<u>FY 1979</u>	<u>FY 1980</u>
Total Business	\$2,279.5	\$2,143.3	\$2,063.8	\$2,118.6	\$2,255.0	\$2,536.1	\$2,838.1	\$2,953.8	\$3,416.4	\$3,868.3
Small Business	178.1	160.9	155.3	181.2	216.0	218.3	255.0	281.5	325.4	384.6
% of Total	7.8	7.5	7.5	8.6	9.6	8.6	9.0	9.5	9.5	9.9
Set-Asides	41.1	45.1	47.3	61.5	62.6	66.8	83.7	92.5	99.4	175.2
% of Total	1.9	2.1	2.3	3.0	2.8	2.6	3.0	3.1	3.0	4.5
% of Small	23.1	28.0	30.5	33.9	29.0	30.6	32.8	32.9	30.5	45.6
	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1988</u>	<u>FY 1987</u>	<u>FY 1988</u>	<u>FY 1989</u>	<u>FY 1990</u>
Total Business	\$4,272.8	\$4,805.6	\$5,586.0	\$5,967.4	\$6,652.9	\$6,356.0	\$6,540.5	\$7,274.9	\$8,567.6	\$10,071.5
Small Business	409.4	430.1	482.3	556.2	644.7	671.3	786.3	801.4	857.3	924.3
% of Total	9.6	8.9	8.6	9.3	9.7	10.6	12.0	11.0	10.0	9.2
Set-Asides	195.8	209.3	212.0	222.5	270.0	260.9	297.2	326.1	322.5	307.3
% of Total	4.6	4.4	3.8	3.7	4.1	4.1	4.5	4.5	3.8	3.1
% of Small	47.8	48.6	43.9	40.0	41.9	38.9	37.8	40.7	37.6	33.2

*Excludes procurements placed under General Services Administration contracts.

SMALL BUSINESS PARTICIPATION IN NASA PROCUREMENTS
FISCAL YEARS 1991 – 2018
(Millions of Dollars)

	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
Total Business	\$10,417.3	\$10,716.7	\$10,497.9	\$9,965.7	\$10,311.5	\$9,800.8	\$9,817.2	\$9,550.5	\$9,386.5	\$9,272.8
Small Business	968.3	1,010.6	1,060.7	1,150.2	1,171.2	1,162.5	1,244.2	1,218.3	1,287.0	1,485.5
% of Total	9.3	9.4	10.1	11.5	11.4	11.9	12.7	12.8	13.7	16.0
Set-Asides	324.3	274.9	315.1	330.4	366.7	348.5	429.4	457.2	530.4	565.1
% of Total	3.1	2.6	3.0	3.3	3.6	3.6	4.4	4.8	5.6	6.1
% of Small	33.5	27.2	29.7	28.7	31.3	30.0	34.5	37.5	41.2	38.1
	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2007</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Total Business	\$9,209.7	\$9,568.9	\$9,510.4	\$9,025.6	\$10,357.8	\$11,467.4	\$10,756.2	\$12,371.7	\$12,305.2	\$13,186.5
Small Business	1,609.9	1,680.0	1,600.1	1,755.5	1,818.9	1,938.1	2,002.7	2,270.7	2,271.8	2,286.0
% of Total	17.5	17.6	16.8	19.5	17.6	16.9	18.6	18.4	18.5	17.3
Set-Asides	568.1	582.4	477.9	552.1	620.2	665.8	747.5	898.1	901.4	926.5
% of Total	6.2	6.1	5.0	6.1	6.0	5.8	6.9	7.3	7.3	7.0
% of Small	35.3	34.6	29.8	31.4	34.1	34.3	37.3	39.6	39.7	40.5
	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>		
Total Business	\$12,529.6	\$11,908.3	\$11,431.5	\$12,086.5	\$12,703	\$13,981.7	14,134.7	14,305.0		
Small Business	2,510.7	2,630.8	2,761.3	2,524.0	2,541.3	2,739.4	2,830.0	2,993.8		
% of Total	20.0	22.1	24.2	20.9	20.0	19.6	20.0	20.9		
Set-Asides	1,073.1	1,114.6	1,141.5	1,177.8	1,232.1	1,505.0	1,464.9	1,622.8		
% of Total	8.6	9.4	10.0	9.7	9.7	10.8	10.4	11.3		
% of Small	42.7	42.4	41.3	46.7	48.5	54.9	51.8	54.2		

*Excludes procurements placed under General Services Administration contracts.

EXPLORE

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