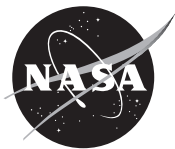
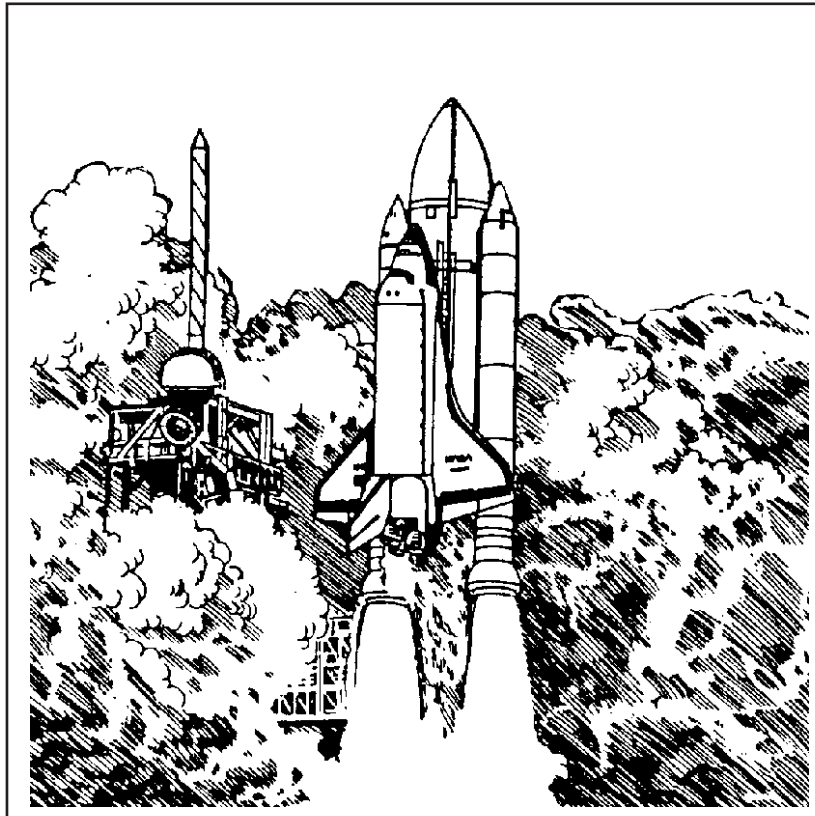


ANNUAL PROCUREMENT REPORT

Fiscal Year 2002



National Aeronautics and
Space Administration

INTRODUCTION

This report presents summary data on all NASA procurement actions and detailed information on contracts, grants, agreements, and other procurements over \$25,000 awarded by NASA during Fiscal Year 2002 using appropriated funds. The dollar value of these procurements amounted to 98.8 percent of the total dollar value of procurement actions completed during Fiscal Year 2002. They accounted for 78 percent of the total actions.

Procurement action, as used in this report, means contractual actions to obtain supplies, services or construction that increase or decrease 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/>. The report was prepared by the Analysis Division, Office of Procurement, NASA Headquarters. Inquiries should be addressed to:

National Aeronautics and Space Administration
Office of Procurement (Code HC)
Washington, DC 20546

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I. TOTAL PROCUREMENTS

Fiscal Year 2002 - NASA's procurements (including those under \$25,000) totaled \$13,302.5 million. The number of procurement actions totaled 89,336.

TRENDS IN PROCUREMENT OBLIGATIONS VS. TOTAL NASA OBLIGATIONS * FISCAL YEARS 1998 - 2002 (MILLIONS OF DOLLARS)

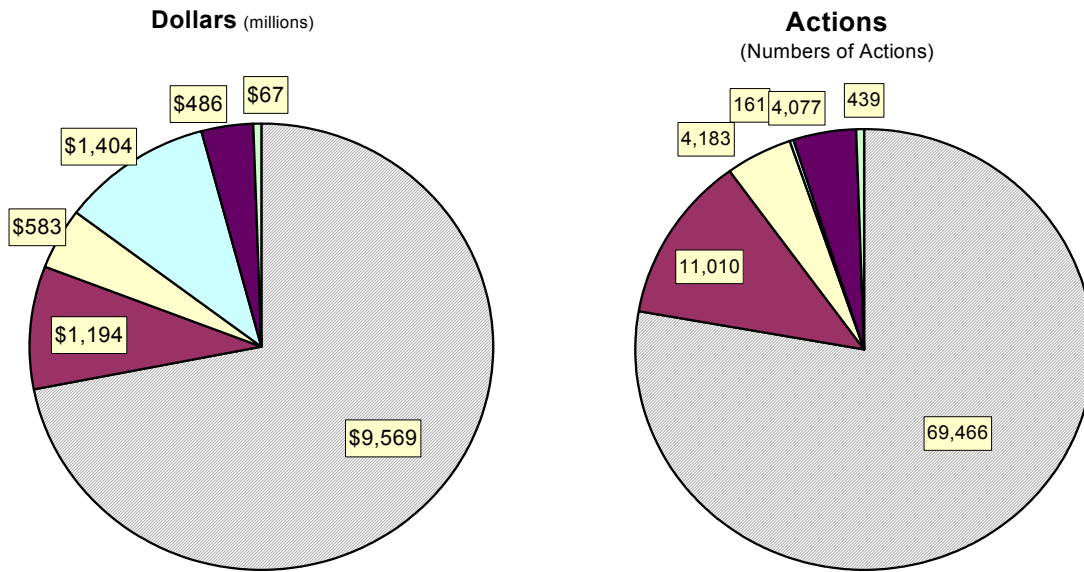
| Fiscal Year | Total NASA Obligations | Procurement Obligations | |
|-------------|------------------------|-------------------------|------------------------|
| | | Amount | % of Total Obligations |
| 2002 | \$15,519.5 | \$13,302.5 | 85.7% |
| 2001 | 14,157.4 | 12,748.1 | 90.0% |
| 2000 | 14,484.1 | 12,504.7 | 86.3% |
| 1999 | 14,530.1 | 12,674.6 | 87.2% |
| 1998 | 14,430.1 | 12,561.2 | 87.0% |

*Total NASA obligations include salaries, benefits and travel of NASA employees, as well as 148,955 credit card purchases in the amount of \$78.5 million.

II. AWARDS BY TYPE OF CONTRACTOR

Fiscal Year 2002 - The distribution of NASA's procurement dollars obligated and the number of actions is shown in Figure 1.

AWARDS BY TYPE OF CONTRACTOR FISCAL YEAR 2002



| <u>Category</u> | <u>Value</u> <u>(\$ millions)</u> | <u>Percent</u> <u>of Total</u> | <u>Actions</u> <u>(Number of)</u> | <u>Percent</u> <u>of Total</u> |
|--------------------------|--------------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|
| Business Firms | \$ 9,568.9 | 71.9% | 69,466 | 77.8% |
| Educational Institutions | 1,194.0 | 9.0% | 11,010 | 12.3% |
| Nonprofit Organizations | 582.5 | 4.4% | 4,183 | 4.7% |
| JPL | 1,404.1 | 10.6% | 161 | 0.2% |
| Gov't Agencies | 486.1 | 3.7% | 4,077 | 4.6% |
| Outside U.S. | 66.9 | 0.5% | 439 | 0.5% |
| Total: | \$ 13,302.5 | 100.0% | 89,336 | 100.0% |

Figure 1

TRENDS IN AWARDS BY TYPE OF CONTRACTOR
FISCAL YEARS 1998 - 2002

PROCUREMENT DOLLARS (IN MILLIONS)

| | <u>FY 1998</u> | <u>FY 1999</u> | <u>FY 2000</u> | <u>FY 2001</u> | <u>FY 2002</u> |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| BUSINESS FIRMS | \$9,551 | \$9,386 | \$9,273 | \$9,210 | \$9,569 |
| EDUCATIONAL | 898 | 1,019 | 995 | 1,084 | 1,194 |
| NONPROFIT | 406 | 431 | 466 | 523 | 583 |
| JPL | 1,171 | 1,295 | 1,291 | 1,452 | 1,404 |
| GOV'T AGENCIES | 408 | 390 | 382 | 382 | 486 |
| OUTSIDE U.S. | 127 | 154 | 97 | 97 | 67 |
| TOTAL | <u>\$12,561</u> | <u>\$12,675</u> | <u>\$12,504</u> | <u>\$12,748</u> | <u>\$13,303</u> |

PERCENT OF TOTAL DOLLARS

| | | | | | |
|----------------|-------------|-------------|-------------|-------------|-------------|
| BUSINESS FIRMS | 76% | 74% | 74% | 72% | 72% |
| EDUCATIONAL | 7% | 8% | 8% | 9% | 9% |
| NONPROFIT | 3% | 4% | 4% | 4% | 4% |
| JPL | 9% | 10% | 10% | 11% | 11% |
| GOV'T AGENCIES | 4% | 3% | 3% | 3% | 3% |
| OUTSIDE U.S. | <u>1%</u> | <u>1%</u> | <u>1%</u> | <u>1%</u> | <u>1%</u> |
| TOTAL | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> |

Appendix I shows distribution of NASA direct procurements by type of contractor for Fiscal Years 1961 - 2002 (See Page 40).

III. 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 justifications are required to award procurements on an other than full and open competition basis.

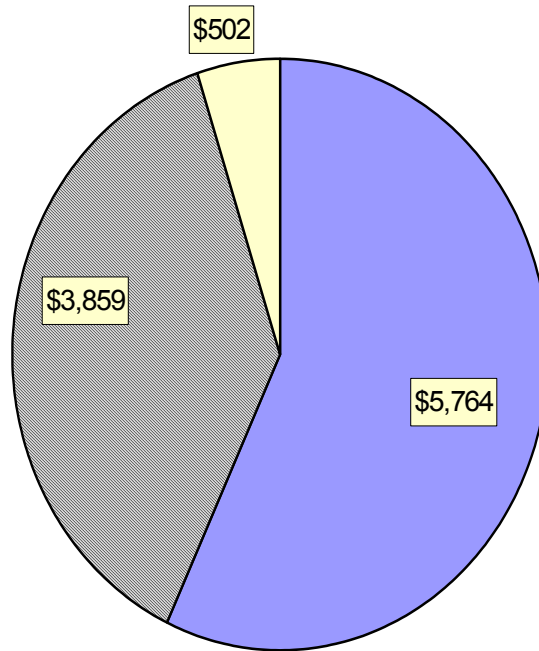
B. Reporting of Competition

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 submit uniform competition statistics to Congress in an annual report that summarizes the accomplishments of the agency's competition advocacy program during the past year and describes proposed actions for the current year to increase competition and reduce noncompetitive contract awards.

C. Competition During Fiscal Year 2002

Appendix II and IIA shows Competition to Business Firms for the period Fiscal Year 1961 – 2002 (see page 41).

COMPETITION IN NASA AWARDS FISCAL YEAR 2002



| <u>Total Available for Competition *</u> | <u>Value (\$ millions)</u> | <u>Percent of Total</u> |
|--|--------------------------------|-----------------------------|
| Competed: | | |
| New awards: | | |
| Sealed bids | \$ 61.7 | 0.6% |
| Negotiated | 690.4 | 6.8% |
| Subtotal New Awards | <u>\$ 752.1</u> | <u>7.4%</u> |
| Modifications: | | |
| Sealed bids | \$ 9.9 | 0.1% |
| Negotiated | 5,001.5 | 49.4% |
| Subtotal Modifications | <u>\$ 5,011.4</u> | <u>49.5%</u> |
| Subtotal Competed | <u>\$ 5,763.5</u> | 56.9% |
| Not Competed | | |
| New Awards | \$ 387.3 | 3.8% |
| Modifications | 3,471.5 | 34.3% |
| Subtotal Not Competed | <u>\$ 3,858.8</u> | <u>38.1%</u> |
| Follow-on | | |
| New Awards | \$ 1.9 | 0.0% |
| Modifications | 500.3 | 4.9% |
| Subtotal Follow-on | <u>\$ 502.2</u> | <u>5.0%</u> |
| Total: | <u><u>\$ 10,124.5</u></u> | <u><u>100.0%</u></u> |

Figure 2

TRENDS IN AWARDS BY EXTENT OF COMPETITION
FISCAL YEARS 1998 - 2002

| TYPE OF ACTION | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 |
|--------------------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| Net Value of Awards (Millions) | | | | | |
| <u>Total Available</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>Competed</u> | <u>\$5,255.3</u> | <u>\$ 5,459.6</u> | <u>\$ 5,384.4</u> | <u>\$ 5,743.9</u> | <u>\$ 5,763.5</u> |
| New Awards | 792.6 | 803.4 | 1,065.2 | 1,041.6 | 752.1 |
| Modifications | 4,462.7 | 4,656.2 | 4,319.2 | 4,702.3 | 5,011.4 |
| <u>Not Competed</u> | <u>\$3,643.1</u> | <u>\$ 3,325.3</u> | <u>\$ 3,512.4</u> | <u>\$ 3,482.7</u> | <u>\$ 3,858.8</u> |
| New Awards | 182.5 | 128.2 | 312.1 | 140.4 | 387.3 |
| Modifications | 3,460.6 | 3,197.1 | 3,200.3 | 3,342.3 | 3,471.5 |
| <u>Follow-On</u> | <u>\$797.8</u> | <u>\$ 850.1</u> | <u>\$ 730.1</u> | <u>\$ 464.0</u> | <u>\$ 502.2</u> |
| New Awards | 65.0 | 208.1 | 299.8 | 6.4 | 1.9 |
| Modifications | 732.8 | 642.0 | 430.3 | 457.6 | 500.3 |
| Percent of Total | | | | | |
| <u>Total Available</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> |
| <u>Competed</u> | <u>54.2</u> | <u>56.7</u> | <u>56.0</u> | <u>59.3</u> | <u>56.9</u> |
| New Awards | 8.2 | 8.4 | 11.1 | 10.8 | 7.4 |
| Modifications | 46.0 | 48.3 | 44.9 | 48.5 | 49.4 |
| <u>Not Competed</u> | <u>37.6</u> | <u>34.5</u> | <u>36.5</u> | <u>35.9</u> | <u>38.1</u> |
| New Awards | 1.9 | 1.3 | 3.3 | 1.4 | 3.8 |
| Modifications | 35.7 | 33.2 | 33.2 | 34.5 | 34.2 |
| <u>Follow-On</u> | <u>8.2</u> | <u>8.8</u> | <u>7.5</u> | <u>4.8</u> | <u>5.0</u> |
| New Awards | 0.7 | 2.1 | 3.1 | 0.1 | 0.1 |
| Modifications | 7.5 | 6.7 | 4.4 | 4.7 | 4.9 |

IV. AWARDS TO BUSINESS FIRMS

A. Awards By Contract Type

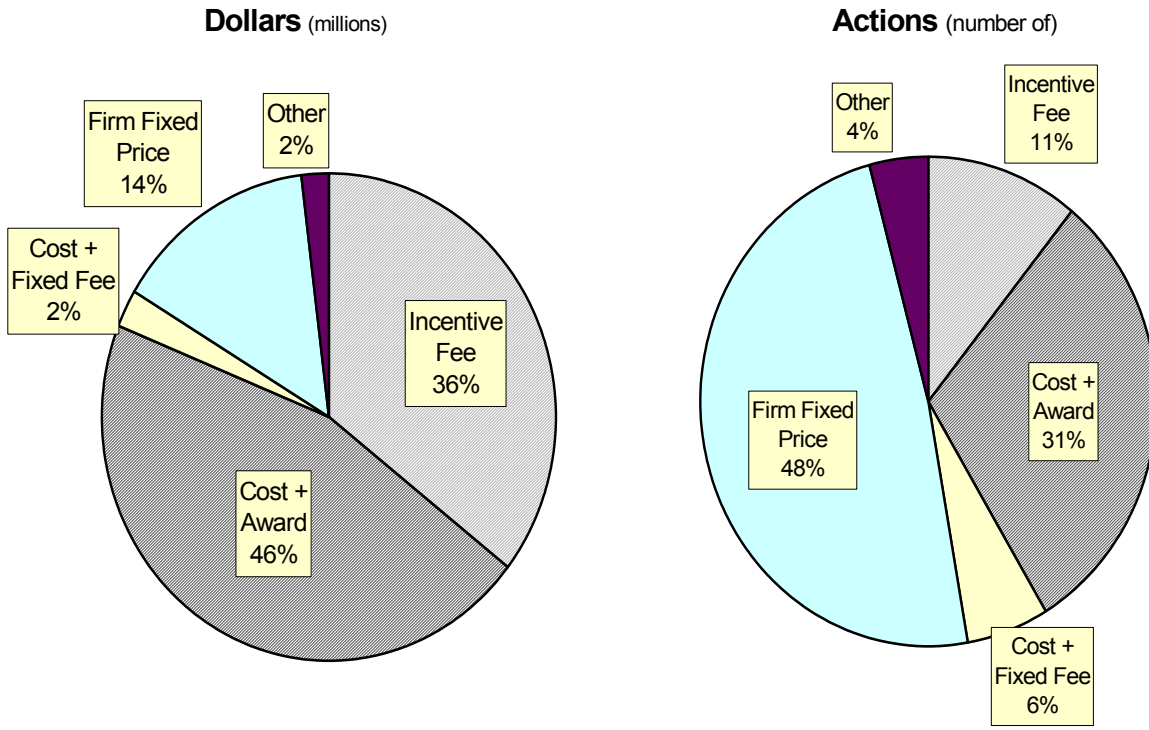
Fiscal Year 2002 – The table below depicts the trends in awards to business firms by contract type. Figure 3, on the following page, categorizes Fiscal Year 2002 awards of new contracts and modifications to existing contracts. The large percentage of procurements which have award fee and incentive provisions resulted from major procurements for the Space Shuttle and Space Station programs.

TRENDS IN AWARDS TO BUSINESS FIRMS BY CONTRACT TYPE*
FISCAL YEAR 1998 - 2002

| | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 |
|---------------------------|----------------|----------------|----------------|----------------|----------------|
| <u>AWARDS IN MILLIONS</u> | | | | | |
| Firm-Fixed-Price | \$1,005 | \$1,197 | \$1,168 | \$1,358 | \$1,309 |
| Incentive | 1,957 | 2,227 | 2,628 | 3,053 | 3,238 |
| Cost-Plus-Award-Fee | 4,955 | 4,451 | 4,342 | 3,896 | 4,154 |
| Cost-Plus-Fixed-Fee | 530 | 466 | 401 | 253 | 224 |
| Other | 524 | 454 | 290 | 234.8 | 175 |
| <u>TOTAL BUSINESS</u> | <u>\$8,971</u> | <u>\$8,795</u> | <u>\$8,829</u> | <u>\$8,795</u> | <u>\$9,100</u> |
| <u>PERCENT OF TOTAL</u> | | | | | |
| Firm-Fixed-Price | 11% | 14% | 13% | 15% | 14% |
| Incentive | 22% | 25% | 30% | 35% | 36% |
| Cost-Plus-Award-Fee | 55% | 51% | 49% | 44% | 46% |
| Cost-Plus-Fixed-Fee | 6% | 5% | 5% | 3% | 2% |
| Other | 6% | 5% | 3% | 3% | 2% |
| <u>TOTAL BUSINESS</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> |

*Excludes smaller procurements, generally those of \$25,000 or less and orders placed against GSA Federal Supply Schedule contracts.

**AWARDS BY CONTRACT TYPE
TO BUSINESS FIRMS*
FISCAL YEAR 2002**



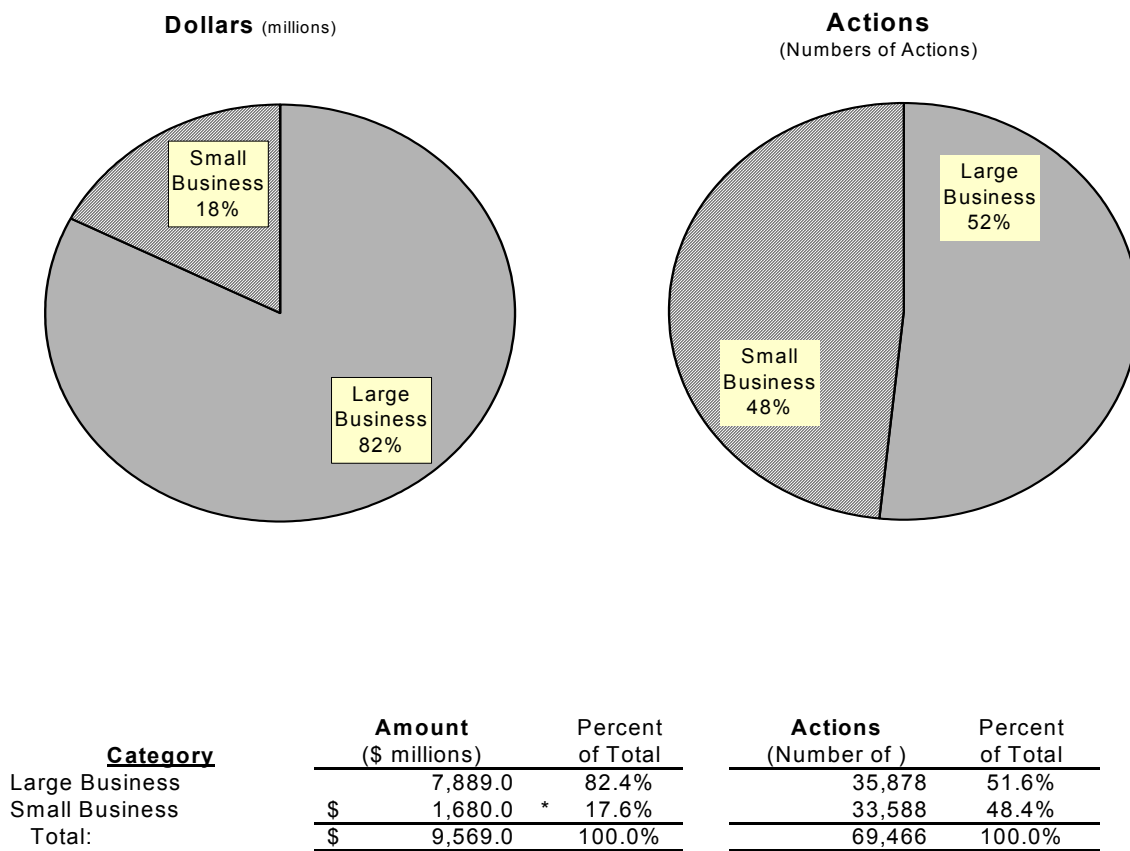
| Category | Amount (\$millions) | Percent of Total | Actions (number of) | Percent of Total |
|---------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|
| Firm Fixed Price | \$ 1,308.5 | 14.4% | 22,836 | 48.4% |
| Incentive Fee: | | | | |
| Fixed Price Incentive Fee | 134.2 | 1.5% | 409 | 0.9% |
| Cost Plus Incentive Fee | 3,103.9 | 34.1% | 4,692 | 9.9% |
| Subtotal Incentive Fee | \$ 3,238.1 | 35.6% | 5,101 | 10.8% |
| Cost Plus Award Fee | \$ 4,154.2 | 45.7% | 14,448 | 30.6% |
| Cost Plus Fixed Fee | \$ 223.6 | 2.5% | 2,790 | 5.9% |
| Other: | | | | |
| Fixed Price Redermination | 0.5 | 0.0% | 24 | 0.1% |
| Economic Price Adj. | 95.8 | 1.1% | 299 | 0.6% |
| Cost No Fee | 61.9 | 0.7% | 425 | 0.9% |
| Cost Sharing | (0.2) | 0.0% | 16 | 0.0% |
| Labor Hour | 13.1 | 0.1% | 1,076 | 2.3% |
| Time & Material | 4.4 | 0.0% | 154 | 0.3% |
| Subtotal Other: | \$ 175.5 | 1.9% | 1,994 | 4.2% |
| Total | \$ 9,100 | 100.0% | 47,169 | 100.0% |

Figure 3

B. Small Business Participation

Total Small Business - During Fiscal Year 2002, NASA awards to small business firms totaled \$1,680 million (See Figure 4). The \$1,680 million includes \$420.7 million in new awards. New awards to small business firms represented 43 percent of NASA's total new contract awards of \$997.4 million to all business firms during Fiscal Year 2002. Awards of \$25,000 or less to business firms during Fiscal Year 2002 totaled \$130.7 million. Of these smaller awards, small business firms received \$67.8 million or 51.9 percent.

**SMALL BUSINESS PARTICIPATION
FISCAL YEAR 2002**



* Includes \$479.1 million awarded to small disadvantaged firms under Authority of Section 8(a) of the Small Business Act. Also includes \$121.5 million awarded through Small Business Innovation Research and Small Business Technology Programs.

Figure 4

Small Business Programs & Categories

(1) Small Business Set-Asides- Small business set-asides are defined as competitive awards that are limited only to small business. 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 2002, these set-asides amounted to \$582.5 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 2002, 8(a) awards totaled \$479.1 million.

(3) Small Business Innovation Research (SBIR) - The Small Business Innovation Development Act requires that Federal agencies, whose extramural budgets for research or research and development exceeded a stated threshold, establish a Small Business Innovation Research Program. During Fiscal Year 2002, NASA awarded 577 new SBIR contracts totaling \$71.2 million. Of this amount, 304 were Phase I awards totaling \$21.4 million and 273 were Phase II awards totaling \$49.8 million. Also in Fiscal Year 2002, NASA funded on-going Phase II contracts with a total of \$42.3 million. Included in the total SBIR awards of \$113.5 million, 82 contracts, or \$12.1 million, were to small disadvantaged business firms, and 72 contracts, or \$9.8 million, were to women-owned firms.

(4) Small Business Technology Transfer (STTR) - The Small Business Technology Transfer Act authorizes Federal agencies, whose extramural budgets are in excess of \$1 billion, to establish a Small Business Technology Transfer Program. During Fiscal Year 2002, NASA awarded 34 new STTR contracts totaling \$4.4 million. Of this amount, 25 were Phase I awards totaling \$2.3 million, and 9 were Phase II awards totaling \$2.1 million. Twenty-one on-going Phase II STTR contracts were also funded for a total of \$4.3 million. Included in the STTR awards are 7 contracts for \$1 million to small disadvantaged business firms, and 1 contract amounting to \$362,000 to a women-owned firm.

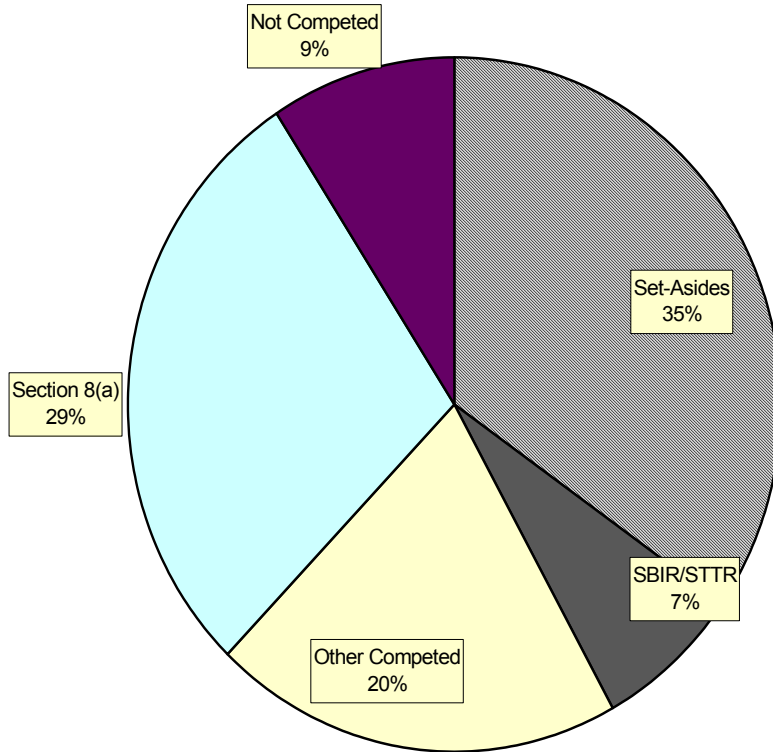
(5) Women-Owned Small Business Participation - In accordance with Executive Order 12138, Women’s Business Enterprise, NASA extends a particular effort to ensure that business firms owned and controlled by women have an equitable opportunity to participate in NASA’s procurement program. In Fiscal Year 2002, Women-Owned Small Business firms received prime contract awards totaling \$283.7 million.

(6) HubZone Small Business Awards – NASA awarded \$18 million to Hubzone Small Business Concerns in FY 2002.

(7) Veteran-Owned Small Business Awards – In FY 2002, NASA awarded over \$39 million to Veteran Owned Small Businesses. Of this amount, \$23.2 million was to Service Disabled Veteran Owned Small Businesses.

C. Extent of Competition in Small Business Awards

**COMPETITION IN SMALL BUSINESS AWARDS
FISCAL YEAR 2002**



| Category | Amount (millions) | Percent of Total |
|-----------------|------------------------------|-----------------------------|
| Set-Asides | \$ 582.5 | 34.7% |
| SBIR/STTR | 121.5 | 7.2% |
| Other Competed | 341.8 | 20.3% |
| Section 8(a) | 479.1 | 28.5% |
| Not Competed | 155.1 | 9.2% |
| Total | \$ 1,680.0 | 100.0% |

Figure 5

TRENDS IN SMALL BUSINESS PARTICIPATION
FISCAL YEARS 1998 - 2002
(MILLIONS OF DOLLARS)

| TYPE OF AWARD | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 |
|-----------------------------------|---------|---------|---------|---------|---------|
| Section 8(a) | \$316.4 | \$351.0 | \$419.9 | \$445.8 | \$479.1 |
| Other Small Disadv. Businesses | 183.1 | 215.0 | 310.0 | 352.2 | 334.4 |
| Total | \$499.5 | \$566.0 | \$729.9 | \$798.0 | \$813.5 |

Appendix III shows NASA awards to small business firms for Fiscal Years 1961-2002 (See Page 45).

D. Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during Fiscal Year 2002 totaled \$813 million. The tabulation shown below indicates that NASA has made continuing efforts to increase disadvantaged business participation in NASA's procurements through direct awards and awards placed under the provisions of Section 8(a) of the Small Business Act.

Public Laws 101-144 and 101-507 mandated that NASA establish a goal of awarding at least 8 percent of the value of its prime and subcontracts to small disadvantaged and women-owned small business firms, Historically Black Colleges and Universities, and other minority institutions. NASA developed a plan for achieving the prescribed goal by Fiscal Year 1994, but exceeded it in Fiscal Year 1993. NASA achieved 18 percent in Fiscal Year 2002, surpassing the 8 percent goal for the tenth year in a row.

TRENDS IN SMALL DISADVANTAGED
BUSINESS AWARDS
FISCAL YEARS 1998 - 2002
(MILLIONS OF DOLLARS)

| TYPE OF AWARD | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 |
|-----------------------------------|---------|---------|---------|---------|---------|
| Section 8(a) | \$316.4 | \$351.0 | \$419.9 | \$445.8 | \$479.1 |
| Other Small Disadv. Businesses | 183.1 | 215.0 | 310.0 | 352.2 | 334.4 |
| Total | \$499.5 | \$566.0 | \$729.9 | \$798.0 | \$813.5 |

E. Awards by Type of Effort. During Fiscal Year 2002, \$10,629.2 million was awarded to business firms in the categories of research and development, services, and supplies and equipment. A breakout of these awards by category is shown below:

| <u>Category</u> | <u>Total (Millions)</u> | <u>Number of Awards</u> |
|--|-----------------------------|-----------------------------|
| <u>Total</u> | <u>\$ 10,629.2</u> | <u>6,357</u> |
| <u>Research & Development</u> | <u>\$ 3,523.3</u> | <u>1,756</u> |
| Space Station | 1,529.3 | 33 |
| Space Flight | 640.6 | 71 |
| Aeronautics & Space Technology | 481.5 | 659 |
| Space Science & Applications | 201.1 | 339 |
| Space Operations | 69.0 | 21 |
| Commercial Programs | 11.3 | 49 |
| Other Space R&D | 527.6 | 456 |
| Other R&D | 62.9 | 128 |
| <u>Services</u> | <u>\$ 5,566.8</u> | <u>1,985</u> |
| Professional, Admin. & Mgmt. Support | 2,899.1 | 492 |
| ADP & Telecommunications | 949.1 | 212 |
| Operation of Gov't-owned Facilities | 549.4 | 31 |
| Transportation, Travel & Relocation Svc. | 199.7 | 24 |
| Special Studies & Analyses-Not R&D | 151.4 | 173 |
| Maint., Repair & Rebdg. of Equipment | 142.4 | 64 |
| Quality Control, Testing & Inspection | 127.3 | 31 |
| Utilities and Housekeeping | 115.9 | 109 |
| Other Services | 432.5 | 849 |
| <u>Supplies & Equipment</u> | <u>\$ 1,539.1</u> | <u>2,616</u> |
| Space Vehicles | 1,164.3 | 57 |
| ADP Equipment, Software, Supplies & Support Equipment | 114.2 | 886 |
| Engines, Turbines & Components | 42.7 | 12 |
| Maintenance & Repair Shop Equip. | 42.5 | 6 |
| Ammunition & Explosives | 36.7 | 8 |
| Chemicals & Chemical Products | 29.1 | 51 |
| Instruments & Laboratory Equipment | 24.3 | 402 |
| Fuels, Lubricants, Oils & Waxes | 21.2 | 38 |
| Other Supplies & Equipment | 64.1 | 1,156 |

*Excludes smaller procurements, generally those of \$25,000 or less.

F. One Hundred Principal Contractors (Business Firms)

The one hundred contractors that received the largest dollar value of NASA direct awards to business firms during Fiscal Year 2002 are shown below. The awards to these contractors accounted for 88 percent of the direct awards to business firms during the year. The smallest aggregate award to any contractor was in excess of \$8 million. Of the one hundred contractors, 37 were small business firms and of these 19 were disadvantaged firms at the time of award.

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2002
(S=Small Business/D=Disadvantaged Business)

| <u>CONTRACTOR</u> | <u>AWARDS</u> | |
|--|--------------------|----------------|
| | <u>(THOUSANDS)</u> | <u>PERCENT</u> |
| <u>TOTAL AWARDS TO BUSINESS FIRMS</u> | \$9,568,934 | 100.00 |
| 1. UNITED SPACE ALLIANCE | 1,797,761 | 18.79 |
| 2. BOEING CO. | 987,544 | 10.32 |
| 3. LOCKHEED MARTIN CORP. | 611,089 | 6.39 |
| 4. LOCKHEED MARTIN SPACE OPERATIONS | 504,295 | 5.27 |
| 5. THIOKOL CORP. | 390,183 | 4.08 |
| 6. BOEING NORTH AMERICAN INC. | 348,420 | 3.64 |
| 7. SPACE GATEWAY SUPPORT | 310,403 | 3.24 |
| 8. MCDONNELL DOUGLAS CORP. | 222,429 | 2.32 |
| 9. LOCKHEED MARTIN ENGRG & SCIENCE CO. | 211,923 | 2.21 |
| 10. Q S S GROUP INC. (S) (D) | 157,935 | 1.65 |
| 11. SCIENCE APPLICATIONS INTL. CORP. | 151,580 | 1.58 |
| 12. COMPUTER SCIENCES CORP. | 148,525 | 1.55 |
| 13. RAYTHEON INFORMATION SYSTEMS CO. | 131,952 | 1.38 |
| 14. SWALES & ASSOCIATES INC. (S) | 113,223 | 1.18 |
| 15. T R W INC. | 97,479 | 1.02 |
| 16. DELTA LAUNCH SERVICES INC. | 91,981 | .96 |
| 17. BOEING SATELLITE SYSTEMS INC. | 89,174 | .93 |
| 18. UNITED TECHNOLOGIES CORP. | 88,072 | .92 |
| 19. O A O CORP. | 81,360 | .85 |
| 20. RAYTHEON TECHNICAL SERVICES CO. | 73,988 | .77 |
| 21. BALL AEROSPACE & TECH. CORP. | 70,899 | .74 |
| 22. SVERDRUP TECHNOLOGY INC. | 68,209 | .71 |
| 23. HONEYWELL TECHNOLOGY SOLUTIONS INC. | 62,215 | .65 |
| 24. SCIENCE SYSTEMS APPLICATIONS (S) (D) | 61,237 | .64 |

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2002
 (S=Small Business/D=Disadvantaged Business)

| <u>CONTRACTOR</u> | <u>AWARDS</u> | |
|--|--------------------|----------------|
| | <u>(THOUSANDS)</u> | <u>PERCENT</u> |
| 25. ORBITAL SCIENCES CORP. | 59,747 | .62 |
| 26. WYLE LABORATORIES | 55,307 | .58 |
| 27. A C S GOVERNMENT SOLUTIONS GRP | 54,145 | .57 |
| 28. MISSISSIPPI SPACE SERVICES | 52,660 | .55 |
| 29. NORTHROP GRUMMAN SYSTEMS CORP. | 51,307 | .54 |
| 30. HAMILTON SUNDSTRAND SPACE SYSTEMS | 50,195 | .52 |
| 31. INDYNE INC. (S) (D) | 44,380 | .46 |
| 32. JOHNSON ENGINEERING CORP. (S) | 43,843 | .46 |
| 33. UNITED TECHNOLOGIES AEROJET JV | 42,530 | .44 |
| 34. SPACEHAB INC. | 42,001 | .44 |
| 35. RAYTHEON S T X CORP. | 40,210 | .42 |
| 36. ACCENTURE LLP | 39,580 | .41 |
| 37. NORTHROP GRUMMAN INFO TECH INC. | 39,311 | .41 |
| 38. CORTEZ III SERVICE CORP. | 38,601 | .40 |
| 39. JOHNSON CONTROLS WORLD SERVICES | 36,330 | .38 |
| 40. DYNCORP TECHNICAL SERVICES | 33,742 | .35 |
| 41. I T T CORP. | 33,398 | .35 |
| 42. DYNCORP | 31,434 | .33 |
| 43. NORTHROP GRUMMAN CORP. | 29,995 | .31 |
| 44. CUBE CORP. (S) (D) | 29,853 | .31 |
| 45. DYNACS ENGINEERING CO. INC. (S) (D) | 28,942 | .30 |
| 46. ADVANCED MANAGEMENT TECH. INC. (S) (D) | 28,519 | .30 |
| 47. P R C INC. | 25,451 | .27 |
| 48. E G & G ALABAMA INC. | 24,355 | .25 |
| 49. DANIEL MANN JOHNSON MENDENHAL | 23,470 | .25 |
| 50. GLOBAL SCIENCE & TECH INC. (S) (D) | 22,393 | .23 |
| 51. PARSONS INFRASTRUCTURE & TECH (S) | 19,597 | .20 |
| 52. SILICON GRAPHICS INC. | 19,573 | .20 |
| 53. R S INFORMATION SYSTEMS INC. (S) (D) | 19,395 | .20 |
| 54. GENERAL SCIENCES CORP. | 19,197 | .20 |
| 55. BOOZ ALLEN & HAMILTON INC. | 18,560 | .19 |
| 56. A I SIGNAL RESEARCH INC. (S) (D) | 17,844 | .19 |
| 57. AVERSTAR INC. | 17,742 | .19 |
| 58. RAYTHEON SYSTEMS CO. | 16,951 | .18 |
| 59. MANTECH SYSTEMS ENGINEERING CORP. | 16,761 | .18 |

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2002
 (S=Small Business/D=Disadvantaged Business)

| <u>CONTRACTOR</u> | <u>AWARDS</u> | |
|---|--------------------|----------------|
| | <u>(THOUSANDS)</u> | <u>PERCENT</u> |
| 60. AIR PRODUCTS & CHEMICALS INC. | 16,563 | .17 |
| 61. B R S P | 16,418 | .17 |
| 62. MICRO CRAFT INC. (S) | 16,136 | .17 |
| 63. GOVERNMENT MICRO RESOURCES (S) (D) | 15,871 | .17 |
| 64. L B & B ASSOCIATES INC. (S) (D) | 15,306 | .16 |
| 65. MUNIZ ENGINEERING INC. (S) (D) | 14,756 | .15 |
| 66. HERNANDEZ ENGINEERING INC. (S) | 13,159 | .14 |
| 67. ROTHE JV (S) | 13,147 | .14 |
| 68. SPECTRUM ASTRO INC. (S) | 13,125 | .14 |
| 69. BAGGETTE CONSTRUCTION INC. (S) | 13,014 | .14 |
| 70. TECHTRANS INTERNATIONAL INC. (S) | 12,755 | .13 |
| 71. VIRGINIA ELECTRIC & POWER CO. | 12,511 | .13 |
| 72. DYNAMAC CORP. (S) | 12,373 | .13 |
| 73. TELEDYNE INDUSTRIES INC. | 12,372 | .13 |
| 74. I T T INDUSTRIES INC. (S) | 11,726 | .12 |
| 75. AKIMA CORP. (S) (D) | 11,570 | .12 |
| 76. A S R C AEROSPACE CORP. (S) (D) | 11,509 | .12 |
| 77. CALL HENRY INC (S) | 11,328 | .12 |
| 78. S R S INFORMATION SERVICES (S) | 10,786 | .11 |
| 79. BARRIOS TECHNOLOGY INC. (S) | 10,780 | .11 |
| 80. PRAXAIR INC. | 10,773 | .11 |
| 81. GOVERNMENT TECHNOLOGY SER INC. | 10,557 | .11 |
| 82. GILCREST ELECTRIC & SUPPLY CO. (S) (D) | 10,513 | .11 |
| 83. SECTEK INC. (S) (D) | 10,506 | .11 |
| 84. N S I TECHNOLOGY SERV. CORP. | 10,457 | .11 |
| 85. FIRST ENERGY CORP. | 10,159 | .11 |
| 86. LOGICON F D C | 9,914 | .10 |
| 87. ANALEX CORP. (S) | 9,905 | .10 |
| 88. ELORET CORP. (S) | 9,832 | .10 |
| 89. PLUM BROOK OPERATIONS SUPPORT GRP (S) (D) | 9,825 | .10 |
| 90. TITAN SYSTEMS CORP. | 9,759 | .10 |
| 91. LOCKHEED MARTIN LOGST MGMT INC. | 9,733 | .10 |
| 92. PACE & WAITE INC. (S) | 9,701 | .10 |
| 93. PRICE WATERHOUSE COOPERS LLP | 9,553 | .10 |
| 94. WOODSIDE SUMMIT GROUP INC. (S) (D) | 9,325 | .10 |

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2002
 (S=Small Business/D=Disadvantaged Business)

| <u>CONTRACTOR</u> | <u>AWARDS</u> | |
|---------------------------------|--------------------|----------------|
| | <u>(THOUSANDS)</u> | <u>PERCENT</u> |
| 95. BOEING SPACE OPERATIONS CO. | 9,264 | .10 |
| 96. AIR LIQUIDE AMERICA CORP. | 9,210 | .10 |
| 97. HONEYWELL INC. | 8,989 | .09 |
| 98. S A P PUBLIC SERVICES INC. | 8,896 | .09 |
| 99. P A I CORP. | (S) (D) 8,831 | .09 |
| 100. QUANTUM SERVICES INC. | (S) 8,751 | .09 |
| OTHER* | 1,060,081 | 11.08 |

*Includes other awards over \$25,000 and smaller procurements of \$25,000 or less.

V. CONTRACT FOR OPERATION OF JET PROPULSION LABORATORY

The Jet Propulsion Laboratory (JPL) is a Government-owned research and development facility, operated for NASA by the California Institute of Technology. The Laboratory carries out research programs and flight projects and conceives and executes advanced development and experimental engineering investigations to further the technology required for the Nation's space program. The primary emphasis of the Laboratory's effort is on the carrying out of unmanned lunar, planetary and deep-space scientific missions.

Net awards during Fiscal Year 2002 totaled \$1,404.1 million. Of this amount, JPL awarded \$586.9 million as subcontracts with business firms.

VI. AWARDS TO EDUCATIONAL AND OTHER NONPROFIT INSTITUTIONS*

A. Distribution by Type of Institution and Award

During Fiscal Year 2002, \$1,776.4 million was awarded to educational and other nonprofit institutions. Of this amount, \$1,193.9 million was awarded to educational institutions and \$582.5 million to other nonprofit organizations. A breakout of these awards between contracts, grants and agreements is shown below:

| Type of Award | Total (Millions) | Educational Institutions (Millions) | Nonprofit Organizations (Millions) |
|------------------------|---------------------|---|--|
| Contracts | \$702.3 | \$409.7 | \$292.6 |
| Grants | 643.8 | 500.8 | 143.0 |
| Cooperative Agreements | 401.5 | 278.2 | 123.3 |
| Space Act Agreements | <u>28.8</u> | <u>5.2</u> | <u>23.6</u> |
| Total | \$1,776.4 | \$1,193.9 | \$582.5 |

*Excludes JPL.

In addition to the \$643.8 million in grant awards to educational and nonprofit firms, NASA also awarded \$8.4 million in grants to business firms and \$2.3 million to foreign firms bringing the total grant awards to \$654.5 million. Agreements (both Space Act and Cooperative) increased to \$475.4 million when awards to business firms of \$42.8 million and awards to foreign firms of \$2.2 million are included.

B. One Hundred Principal Educational & Nonprofit Institutions*

The one hundred educational and nonprofit institutions that received the largest dollar value of NASA awards during Fiscal Year 2002 are shown on Pages 23-26.

The awards to these institutions accounted for 80 percent of the total awards to educational and nonprofit institutions during the period. Seventy-three of the top 100 were educational institutions; 27 were nonprofit organizations.

*Excludes JPL.

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2002
(N=Nonprofit Institution)

| <u>INSTITUTION</u> | <u>AWARDS</u> | |
|---|--------------------|------------------|
| <u>TOTAL AWARDS TO EDUCATIONAL & NONPROFIT INSTITUTIONS</u> | <u>(THOUSANDS)</u> | <u>(PERCENT)</u> |
| | \$1,776,481 | 100.00 |
| 1. JOHNS HOPKINS UNIVERSITY | 167,421 | 9.42 |
| 2. ASSN UNIV RESEARCH & ASTRONOMY (N) | 90,715 | 5.11 |
| 3. UNIVERSITIES SPACE RESEARCH (N) | 77,096 | 4.34 |
| 4. SMITHSONIAN INSTITUTION (N) | 73,648 | 4.15 |
| 5. STANFORD UNIVERSITY | 65,216 | 3.67 |
| 6. UNIVERSITY OF COLORADO BOULDER | 49,627 | 2.79 |
| 7. UNIVERSITY OF MARYLAND COLLEGE PARK | 41,998 | 2.36 |
| 8. BAYLOR COLLEGE OF MEDICINE | 26,539 | 1.49 |
| 9. UNIVERSITY OF CALIFORNIA BERKELEY | 25,067 | 1.41 |
| 10. CALIFORNIA INSTITUTE OF TECHNOLOGY | 23,533 | 1.32 |
| 11. MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 22,780 | 1.28 |
| 12. PENNSYLVANIA STATE UNIVERSITY UP | 20,558 | 1.16 |
| 13. UTAH STATE UNIVERSITY | 19,529 | 1.10 |
| 14. INSTITUTE OF SOFTWARE RESEARCH (N) | 19,410 | 1.09 |
| 15. SOUTHWEST RESEARCH INSTITUTE (N) | 19,154 | 1.08 |
| 16. UNIVERSITY MARYLAND BALTIMORE CNTY | 19,014 | 1.07 |
| 17. UNIVERSITY OF ALABAMA HUNTSVILLE | 18,882 | 1.06 |
| 18. NATIONAL ACADEMY OF SCIENCES (N) | 18,534 | 1.04 |
| 19. NEW MEXICO STATE UNIV LAS CRUCES | 18,272 | 1.03 |
| 20. BATTELLE MEMORIAL INSTITUTE (N) | 16,835 | .95 |
| 21. AMERICAN TECHNOLOGY ALLIANCES (N) | 16,362 | .92 |
| 22. UNIVERSITY OF ARIZONA | 15,910 | .90 |
| 23. UNIVERSITY OF ALASKA FAIRBANKS | 15,467 | .87 |
| 24. UNIVERSITY OF CALIFORNIA LOS ANGELES | 14,211 | .80 |
| 25. OHIO AEROSPACE INSTITUTE (N) | 13,573 | .76 |
| 26. UNIVERSITY OF HAWAII | 12,620 | .71 |
| 27. COLUMBIA UNIVERSITY | 12,259 | .69 |
| 28. UNIVERSITY OF HAWAII HILO | 11,961 | .67 |
| 29. UNIVERSITY OF CALIFORNIA SAN DIEGO | 11,880 | .67 |
| 30. UNIVERSITY OF FLORIDA | 11,532 | .65 |
| 31. OKLAHOMA STATE UNIVERSITY | 11,241 | .63 |

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2002
(N=Nonprofit Institution)

| <u>INSTITUTION</u> | <u>AWARDS</u> | |
|--|--------------------|------------------|
| | <u>(THOUSANDS)</u> | <u>(PERCENT)</u> |
| 32. UNIVERSITY OF TEXAS AUSTIN | 11,019 | .62 |
| 33. WHEELING JESUIT UNIVERSITY | 10,932 | .62 |
| 34. UNIVERSITY OF MICHIGAN ANN ARBOR | 10,605 | .60 |
| 35. UNIVERSITY OF WISCONSIN MADISON | 10,087 | .57 |
| 36. UNIVERSITY OF WASHINGTON | 9,801 | .55 |
| 37. ROTORCRAFT INDUSTRY TECH ASSOC. (N) | 9,265 | .52 |
| 38. GEORGE MASON UNIVERSITY | 9,116 | .51 |
| 39. TEXAS A&M UNIVERSITY | 9,078 | .51 |
| 40. SAN JOSE STATE UNIVERSITY | 8,939 | .50 |
| 41. CHARLES STARK DRAPER LABS (N) | 8,777 | .49 |
| 42. UNIVERSITY OF NEW HAMPSHIRE | 8,744 | .49 |
| 43. HARVARD UNIVERSITY | 8,405 | .47 |
| 44. UNIVERSITY OF ALABAMA BIRMINGHAM | 8,023 | .45 |
| 45. INFOTONICS TECHNOLOGY CTR INC. (N) | 7,600 | .43 |
| 46. CALIFORNIA ASSN RESEARCH ASTRONOMY (N) | 7,532 | .42 |
| 47. AEROSPACE CORPORATION (N) | 7,252 | .41 |
| 48. PURDUE UNIVERSITY | 7,202 | .41 |
| 49. PRINCETON UNIVERSITY | 7,183 | .40 |
| 50. UNITED NEGRO COLLEGE FUND (N) | 7,108 | .40 |
| 51. CARNEGIE MELLON UNIVERSITY | 7,083 | .40 |
| 52. CORNELL UNIVERSITY | 7,033 | .40 |
| 53. UNIVERSITY OF CENTRAL FLORIDA | 6,984 | .39 |
| 54. RESEARCH TRIANGLE INSTITUTE (N) | 6,896 | .39 |
| 55. UNIVERSITY OF CALIFORNIA IRVINE | 6,894 | .39 |
| 56. HAMPTON UNIVERSITY | 6,768 | .38 |
| 57. CAYUGA COUNTY COMMUNITY COLLEGE | 6,226 | .35 |
| 58. GEORGIA TECH RESEARCH CORP. (N) | 6,149 | .35 |
| 59. UNIVERSITY OF MIAMI | 6,079 | .34 |
| 60. UNIVERSITY OF MISSOURI COLUMBIA | 6,038 | .34 |
| 61. OREGON STATE UNIVERSITY | 6,017 | .34 |
| 62. COLORADO STATE UNIVERSITY | 5,823 | .33 |
| 63. UNIVERSITY CALIFORNIA SANTA BARBARA | 5,578 | .31 |
| 64. UNIVERSITY OF IOWA | 5,497 | .31 |

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2002
(N=Nonprofit Institution)

| <u>INSTITUTION</u> | <u>AWARDS</u> | |
|---|--------------------|------------------|
| | <u>(THOUSANDS)</u> | <u>(PERCENT)</u> |
| 65. S E T I INSTITUTE (N) | 5,464 | .31 |
| 66. UNIVERSITY OF MISSISSIPPI UNIVERSITY | 5,406 | .30 |
| 67. BOSTON UNIVERSITY | 5,237 | .29 |
| 68. UNIV CORP. ATMOSPHERIC RESEARCH (N) | 5,234 | .29 |
| 69. ARIZONA STATE UNIVERSITY | 5,227 | .29 |
| 70. MISSISSIPPI STATE UNIVERSITY | 5,176 | .29 |
| 71. LOMA LINDA UNIVERSITY | 5,043 | .28 |
| 72. UNIVERSITY OF IDAHO | 5,036 | .28 |
| 73. UNIVERSITY OF MONTANA | 5,006 | .28 |
| 74. UNIV. MINNESOTA MINNEAPOLIS ST. PAUL | 4,993 | .28 |
| 75. CLAY CENTER ARTS & SCIENCE WVA INC. (N) | 4,850 | .27 |
| 76. CASE WESTERN RESERVE UNIVERSITY | 4,799 | .27 |
| 77. WASHINGTON UNIVERSITY ST. LOUIS | 4,781 | .27 |
| 78. NATIONAL CONSORTIUM AVIATION MOBL (N) | 4,715 | .27 |
| 79. UNIVERSITY OF NEW MEXICO | 4,696 | .26 |
| 80. AMERICAN MUSEUM NATURAL HISTORY (N) | 4,638 | .26 |
| 81. COLORADO SCHOOL OF MINES | 4,606 | .26 |
| 82. UNIVERSITY OF SOUTHERN CALIFORNIA | 4,442 | .25 |
| 83. UNIVERSITY OF TEXAS DALLAS | 4,384 | .25 |
| 84. MONTANA STATE UNIVERSITY | 4,359 | .25 |
| 85. MELWOOD HORTICULTURE TRAINING CTR. (N) | 4,293 | .24 |
| 86. UNIVERSITY OF ILLINOIS URBANA | 4,196 | .24 |
| 87. IOWA STATE UNIVERSITY | 4,195 | .24 |
| 88. UNIVERSITY OF NORTH DAKOTA | 4,177 | .24 |
| 89. OLD DOMINION UNIV RESEARCH FNDTN (N) | 4,133 | .23 |
| 90. UNIVERSITY OF HOUSTON CLEAR LAKE | 4,123 | .23 |
| 91. ROCHESTER INSTITUTE OF TECHNOLOGY (N) | 4,075 | .23 |
| 92. FLORIDA A&M UNIVERSITY | 3,949 | .22 |
| 93. UNIVERSITY OF TOLEDO | 3,907 | .22 |
| 94. WEST VIRGINIA UNIVERSITY | 3,882 | .22 |
| 95. TENNESSEE STATE UNIVERSITY | 3,875 | .22 |
| 96. CITY OF HAMPTON (N) | 3,691 | .21 |
| 97. UNIVERSITY OF VIRGINIA | 3,660 | .21 |
| 98. UNIVERSITY OF HOUSTON | 3,601 | .20 |

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
 LISTED ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2002
 (N=Nonprofit Institution)

| <u>INSTITUTION</u> | <u>AWARDS</u> | |
|--|--------------------|------------------|
| | <u>(THOUSANDS)</u> | <u>(PERCENT)</u> |
| 99. UNIVERSITY OF TEXAS EL PASO | 3,538 | .20 |
| 100. GEORGIA TECH APPLIED RESEARCH CORP. (N) | 3,496 | .20 |
| *OTHER | 379,021 | 21.34 |
| *Includes other awards over \$25,000 and smaller procurements of \$25,000 or less. | | |

VII. AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During Fiscal Year 2002, \$486.2 million was awarded through other Government agencies. The following table shows the distribution of these awards by agency.

| <u>AWARDS THROUGH OTHER GOVERNMENT AGENCIES</u> | | |
|---|-----------------|-----------------------|
| <u>FISCAL YEAR 2002</u> | | |
| <u>AGENCY</u> | <u>MILLIONS</u> | <u>% OF TOTAL</u> |
| <u>TOTAL</u> | <u>\$ 486.2</u> | <u>100.0</u> |
| <u>OVER \$25,000</u> | <u>\$ 468.8</u> | <u>96.4</u> |
| Air Force | 104.3 | 21.5 |
| Navy | 50.0 | 10.3 |
| Energy Department | 58.6 | 12.0 |
| Army | 36.2 | 7.4 |
| Commerce Department | 23.8 | 4.9 |
| National Science Foundation | 19.8 | 4.1 |
| Interior Department | 12.6 | 2.6 |
| Defense Department | 83.8 | 17.2 |
| Other Government Agencies | 79.7 | 16.3 |
| <u>\$25,000 AND UNDER</u> | <u>\$ 17.4</u> | <u>3.6</u> |

VIII. U.S. GEOGRAPHICAL DISTRIBUTION OF AWARDS

In Fiscal Year 2002, 50 states and the District of Columbia participated in NASA's direct awards over \$25,000. These larger awards were distributed among 13,341 contracts and went to 3,724 different organizations in 1,127 different cities. Of the 3,724 organizations, 2,836 are business firms located in 901 cities in 47 states and the District of Columbia; 888 are educational and nonprofit institutions located in 424 cities in 50 states and the District of Columbia (See Page 28). 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.

U.S. GEOGRAPHICAL DISTRIBUTION
OF NASA PRIME CONTRACT AWARDS
FISCAL YEAR 2002

| STATE | TOTAL (THOUSANDS) | BUSINESS (THOUSANDS) | EDUCATIONAL & NONPROFIT (THOUSANDS) |
|----------------|----------------------|-------------------------|---|
| TOTAL | \$11,209,830 | \$9,438,256 | \$1,771,574 |
| ALABAMA | 597,959 | 545,990 | 51,969 |
| ALASKA | 18,904 | 160 | 18,744 |
| ARIZONA | 76,442 | 54,918 | 21,524 |
| ARKANSAS | 767 | (2) | 769 |
| CALIFORNIA | 1,556,512 | 1,240,130 | 316,382 |
| COLORADO | 185,010 | 117,044 | 67,966 |
| CONNECTICUT | 126,757 | 112,486 | 14,271 |
| DELAWARE | 5,575 | 1,520 | 4,055 |
| DIST COLUMBIA | 72,823 | 36,406 | 36,417 |
| FLORIDA | 826,024 | 783,938 | 42,086 |
| GEORGIA | 28,823 | 5,360 | 23,463 |
| HAWAII | 32,677 | 560 | 32,117 |
| IDAHO | 7,807 | 283 | 7,524 |
| ILLINOIS | 18,297 | 4,024 | 14,273 |
| INDIANA | 50,070 | 40,558 | 9,512 |
| IOWA | 13,117 | 3,445 | 9,672 |
| KANSAS | 8,119 | 5,484 | 2,635 |
| KENTUCKY | 4,435 | 718 | 3,717 |
| LOUISIANA | 336,805 | 327,767 | 9,038 |
| MAINE | 1,351 | 43 | 1,308 |
| MARYLAND | 1,271,507 | 908,712 | 362,795 |
| MASSACHUSETTS | 178,019 | 49,290 | 128,729 |
| MICHIGAN | 22,095 | 5,470 | 16,625 |
| MINNESOTA | 12,356 | 7,281 | 5,075 |
| MISSISSIPPI | 159,357 | 141,310 | 18,047 |
| MISSOURI | 24,587 | 12,706 | 11,881 |
| MONTANA | 11,545 | 1,521 | 10,024 |
| NEBRASKA | 1,575 | 0 | 1,575 |
| NEVADA | 2,323 | 653 | 1,670 |
| NEW HAMPSHIRE | 20,063 | 6,825 | 13,238 |
| NEW JERSEY | 63,993 | 50,638 | 13,355 |
| NEW MEXICO | 71,335 | 62,392 | 8,943 |
| NEW YORK | 78,064 | 19,405 | 58,659 |
| NORTH CAROLINA | 36,380 | 16,702 | 19,678 |
| NORTH DAKOTA | 5,114 | 0 | 5,114 |
| OHIO | 210,512 | 159,414 | 51,098 |
| OKLAHOMA | 13,958 | 1,095 | 12,863 |
| OREGON | 11,585 | 3,016 | 8,569 |
| PENNSYLVANIA | 55,894 | 22,127 | 33,767 |
| RHODE ISLAND | 5,882 | 868 | 5,014 |
| SOUTH CAROLINA | 4,705 | 99 | 4,606 |
| SOUTH DAKOTA | 922 | 0 | 922 |
| TENNESSEE | 30,537 | 19,226 | 11,311 |
| TEXAS | 3,858,455 | 3,738,747 | 119,708 |
| UTAH | 417,251 | 391,993 | 25,258 |

| | | | |
|---------------|---------|---------|--------|
| VERMONT | 2,957 | 1,812 | 1,145 |
| VIRGINIA | 555,554 | 487,289 | 68,265 |
| WASHINGTON | 32,017 | 21,213 | 10,804 |
| WEST VIRGINIA | 61,185 | 18,947 | 42,238 |
| WISCONSIN | 20,618 | 8,409 | 12,209 |
| WYOMING | 1,211 | 264 | 947 |

NOTE: Excludes smaller procurements, generally those of \$25,000 or less; also excludes awards placed through other Government agencies, awards outside the U.S. and actions on JPL contracts.

U.S. GEOGRAPHICAL DISTRIBUTION
OF NASA PRIME CONTRACT AWARDS
Fiscal Year 2002

GRAND TOTAL \$11,209,830

| Region & State | \$Total (Millions) |
|--------------------|-----------------------|
| NEW ENGLAND | \$335,029 |
| Maine | 1,351 |
| Vermont | 2,957 |
| Rhode Island | 5,882 |
| Massachusetts | 178,019 |
| Connecticut | 126,757 |
| New Hampshire | 20,063 |
| MIDEAST | \$1,547,856 |
| Maryland | 1,271,507 |
| New Jersey | 63,993 |
| New York | 78,064 |
| Pennsylvania | 55,894 |
| Delaware | 5,575 |
| Dist Columbia | 72,823 |
| SOUTHEAST | \$2,642,531 |
| Alabama | 597,959 |
| Arkansas | 767 |
| Florida | 826,024 |
| Georgia | 28,823 |
| Louisiana | 336,805 |
| Mississippi | 159,357 |
| North Carolina | 36,380 |
| Tennessee | 30,537 |
| Virginia | 555,554 |
| West Virginia | 61,185 |
| Kentucky | 4,435 |
| South Carolina | 4,705 |
| GREAT LAKES | \$321,592 |
| Illinois | 18,297 |
| Indiana | 50,070 |
| Michigan | 22,095 |
| Ohio | 210,512 |
| Wisconsin | 20,618 |

| Region & State | \$Total (Millions) |
|----------------------------|-----------------------|
| PLAINS | \$65,790 |
| North Dakota | 5,114 |
| South Dakota | 922 |
| Nebraska | 1,575 |
| Kansas | 8,119 |
| Minnesota | 12,356 |
| Iowa | 13,117 |
| Missouri | 24,587 |
| SOUTHWEST | \$4,020,190 |
| Arizona | 76,442 |
| New Mexico | 71,335 |
| Oklahoma | 13,958 |
| Texas | 3,858,455 |
| ROCKY MOUNTAIN | \$622,824 |
| Colorado | 185,010 |
| Utah | 417,251 |
| Idaho | 7,807 |
| Montana | 11,545 |
| Wyoming | 1,211 |
| FAR WEST | \$1,602,437 |
| Washington | 32,017 |
| California | 1,556,512 |
| Oregon | 11,585 |
| Nevada | 2,323 |
| ALASKA & HAWAII | \$51,581 |
| Alaska | 18,904 |
| Hawaii | 32,677 |

IX. AWARDS PLACED OUTSIDE THE UNITED STATES*

During Fiscal Year 2002, NASA placed \$66.9 million in awards that are being performed outside the United States.

As indicated in the following tabulation, \$66.2 million represented NASA awards and \$646,000 constituted awards placed through other Government agencies. The awards are being performed in eighteen countries and three U.S. territories.

| <u>Place of Performance</u> | <u>(Thousands)</u> |
|---|--------------------|
| <u>Total</u> | <u>\$66,927</u> |
| <u>Direct NASA Awards</u> | <u>\$66,281</u> |
| Australia | 10,076 |
| Bermuda | -50 |
| Canada | 32,242 |
| France | 531 |
| Germany | 1,088 |
| Hungary | 74 |
| Italy | -412 |
| Japan | 44 |
| Netherlands | 291 |
| New Zealand | 34 |
| Norway | 1,260 |
| Peru | 154 |
| Puerto Rico | 5,133 |
| Russia | 912 |
| Spain | 12,965 |
| Switzerland | -36 |
| United Kingdom | 1,824 |
| Virgin Islands | 151 |
| <u>Awards Place Through Other Government Agencies</u> | <u>\$646</u> |
| Costa Rica | \$30 |
| Guam | 306 |
| Italy | 30 |
| Puerto Rico | 130 |
| United Kingdom | 150 |

*Excludes smaller procurements, generally those of \$25,000 or less.

X. PROCUREMENT ACTIVITY BY INSTALLATION

Most of NASA's purchases and contracts are made by the procurement offices of its field installations. During Fiscal Year 2002, these offices accounted for 99 percent of the total procurement dollars.

| <u>INSTALLATION</u> | <u>AWARD (MILLIONS)</u> | <u>PERCENT</u> |
|-------------------------------|-----------------------------|----------------|
| TOTAL | <u>\$13,302.5</u> | <u>100.0</u> |
| Johnson Space Center | 4,118.7 | 31.0 |
| Goddard Space Flight Center | 2,405.9 | 18.1 |
| Marshall Space Flight Center | 2,206.3 | 16.6 |
| NASA Management Office/JPL | 1,435.6 | 10.8 |
| Kennedy Space Center | 903.2 | 6.8 |
| Ames Research Center | 605.2 | 4.5 |
| Langley Research Center | 522.1 | 3.9 |
| Glenn Research Center | 495.7 | 3.7 |
| Stennis Space Center | 241.2 | 1.8 |
| Headquarters | 226.6 | 1.7 |
| Dryden Flight Research Center | 142.0 | 1.1 |

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 agency's fiscal records.
 - b. Detailed data - Information on procurements includes all contracts, grants, agreements and all other procurements over \$25,000. Wherever exclusions apply, a generalized footnote is provided, e.g., "excludes smaller procurements, generally those of \$25,000 or less".
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, basic ordering agreements, and against indefinite delivery type contracts.
 - d. Intragovernmental orders.
 - e. Grants.
 - f. Cooperative and Space Act Agreements.
 - g. Supplemental agreements, change orders, administrative changes and termination's to existing procurements.
9. Small Business - For purposes of Government procurement, 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.

APPENDIXES

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) | | | | | | | | | | |
| <u>Total</u> | <u>\$755.5</u> | <u>\$1,550.6</u> | <u>\$3,230.5</u> | <u>\$4,593.9</u> | <u>\$5,187.4</u> | <u>\$5,031.6</u> | <u>\$4,650.9</u> | <u>\$4,132.7</u> | <u>\$3,652.0</u> | <u>\$3,405.6</u> |
| 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 | | | | | | | | | | |
| <u>Total</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> |
| 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.

APPENDIX I

DISTRIBUTION OF DIRECT NASA PROCUREMENTS (Cont'd)

FISCAL YEARS 1971 - 1979

| TYPE | FY 1971 | FY 1972 | FY 1973 | FY 1974 | FY 1975 | FY 1976 | FY 1977 | FY 1978 | FY 1979 | |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|
| Net Value of Awards (Millions) | | | | | | | | | | |
| <u>Total</u> | <u>\$2,858.2</u> | <u>\$2,737.8</u> | <u>\$2,673.4</u> | <u>\$2,713.6</u> | <u>\$2,866.4</u> | <u>\$3,204.6</u> | <u>\$829.8</u> | <u>\$3,532.3</u> | <u>\$3,659.6</u> | <u>\$4,211.8</u> |
| 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 | | | | | | | | | | |
| <u>Total</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> |
| 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.

APPENDIX I

DISTRIBUTION OF DIRECT NASA PROCUREMENTS (Cont'd)

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) | | | | | | | | | | |
| <u>Total</u> | <u>\$4,842.6</u> | <u>\$5,408.3</u> | <u>\$5,883.7</u> | <u>\$6,796.8</u> | <u>\$7,354.1</u> | <u>\$8,298.0</u> | <u>\$8,179.7</u> | <u>\$8,609.8</u> | <u>\$9,545.1</u> | <u>\$10,876.4</u> |
| 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 | | | | | | | | | | |
| <u>Total</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> |
| 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.

APPENDIX I

DISTRIBUTION OF DIRECT NASA PROCUREMENTS (Cont'd)

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) | | | | | | | | | |
| <u>Total</u> | <u>\$12,565.2</u> | <u>\$13,159.0</u> | <u>\$13,478.2</u> | <u>\$13,160.4</u> | <u>\$12,913.1</u> | <u>\$13,341.4</u> | <u>\$12,699.2</u> | <u>\$12,789.5</u> | <u>\$12,561.2</u> | <u>\$12,674.6</u> |
| 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 | | | | | | | | | |
| <u>Total</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> |
| 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.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS (Cont'd)

FISCAL YEARS 2000 - 2002

| TYPE | FY 2000 | FY 2001 | FY 2002 | | | | | | |
|----------------|-------------------|-------------------|-------------------|--|--|--|--|--|--|
| <u>Total</u> | <u>\$12,504.7</u> | <u>\$12,748.1</u> | <u>\$13,302.5</u> | | | | | | |
| Business Firms | 9,272.8 | 9,209.7 | 9,568.9 | | | | | | |
| Educational | 995.1 | 1,083.9 | 1,194.0 | | | | | | |
| Nonprofit | 465.8 | 523.4 | 582.5 | | | | | | |
| JPL | 1,291.3 | 1,451.7 | 1,404.1 | | | | | | |
| Government | 382.4 | 382.0 | 486.1 | | | | | | |
| Outside U.S. | 97.3 | 97.4 | 66.9 | | | | | | |
| <u>Total</u> | <u>100</u> | <u>100</u> | <u>100</u> | | | | | | |
| Business Firms | 74 | 72 | 72 | | | | | | |
| Educational | 8 | 9 | 9 | | | | | | |
| Nonprofit | 4 | 4 | 4 | | | | | | |
| JPL | 10 | 11 | 11 | | | | | | |
| Government | 3 | 3 | 3 | | | | | | |
| Outside U.S. | 1 | 1 | 1 | | | | | | |

* Less than 0.5 percent.

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) | | | | | | | | | | |
| <u>Total Business</u> | <u>\$423.3</u> | <u>\$1,030.1</u> | <u>\$2,261.7</u> | <u>\$3,521.1</u> | <u>\$4,141.4</u> | <u>\$4,087.7</u> | <u>\$3,864.1</u> | <u>\$3,446.7</u> | <u>\$3,022.3</u> | <u>\$2,759.2</u> |
| 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 |
| <u>Competitive</u> | <u>276.8</u> | <u>565.8</u> | <u>1,302.0</u> | <u>2,119.5</u> | <u>2,630.1</u> | <u>2,692.5</u> | <u>2,698.4</u> | <u>2,185.1</u> | <u>1,632.7</u> | <u>1,628.7</u> |
| 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 |
| <u>Noncompetitive</u> | <u>146.5</u> | <u>464.3</u> | <u>959.7</u> | <u>1,401.6</u> | <u>1,511.3</u> | <u>1,395.2</u> | <u>1,165.7</u> | <u>1,261.6</u> | <u>1,389.6</u> | <u>1,130.5</u> |
| 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 | | | | | | | | | | |
| <u>Total Business</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> |
| New Awards* | ** | 31 | 34 | 20 | 15 | 13 | 18 | 14 | 16 | 22 |
| Modifications | ** | 69 | 66 | 80 | 85 | 87 | 82 | 86 | 84 | 78 |
| <u>Competitive</u> | <u>65</u> | <u>55</u> | <u>58</u> | <u>60</u> | <u>63</u> | <u>66</u> | <u>70</u> | <u>63</u> | <u>54</u> | <u>59</u> |
| New Awards* | ** | 16 | 19 | 11 | 8 | 7 | 8 | 8 | 6 | 10 |
| Modifications | ** | 39 | 39 | 49 | 55 | 59 | 62 | 55 | 48 | 49 |
| <u>Noncompetitive</u> | <u>35</u> | <u>45</u> | <u>42</u> | <u>40</u> | <u>37</u> | <u>34</u> | <u>30</u> | <u>37</u> | <u>46</u> | <u>41</u> |
| 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 (Cont'd)

FISCAL YEARS 1971 - 1979

| TYPE OF ACTION | FY 1971 | FY 1972 | FY 1973 | FY 1974 | FY 1975 | FY 1976 | FY 1977 | FY 1978 | FY 1979 | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|
| Net Value of Awards (Millions) | | | | | | | | | | |
| <u>Total Business</u> | <u>\$2,279.5</u> | <u>\$2,143.3</u> | <u>\$2,063.8</u> | <u>\$2,118.6</u> | <u>\$2,255.0</u> | <u>\$2,536.1</u> | <u>\$663.2</u> | <u>\$2,838.1</u> | <u>\$2,953.8</u> | <u>\$3,416.4</u> |
| 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 |
| <u>Competitive</u> | <u>1,331.8</u> | <u>1,311.8</u> | <u>1,275.6</u> | <u>1,394.9</u> | <u>1,554.6</u> | <u>1,879.5</u> | <u>490.9</u> | <u>2,060.4</u> | <u>2,111.5</u> | <u>2,541.1</u> |
| 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 |
| <u>Noncompetitive</u> | <u>947.7</u> | <u>831.5</u> | <u>788.2</u> | <u>723.7</u> | <u>700.4</u> | <u>656.6</u> | <u>172.3</u> | <u>777.7</u> | <u>842.3</u> | <u>875.3</u> |
| 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 | | | | | | | | | | |
| <u>Total Business</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> | <u>100</u> |
| New Awards* | 24 | 22 | 24 | 26 | 20 | 19 | 11 | 20 | 22 | 15 |
| Modifications | 76 | 78 | 76 | 74 | 80 | 81 | 89 | 80 | 78 | 85 |
| <u>Competitive</u> | <u>58</u> | <u>61</u> | <u>62</u> | <u>66</u> | <u>69</u> | <u>74</u> | <u>74</u> | <u>73</u> | <u>72</u> | <u>74</u> |
| New Awards* | 13 | 12 | 15 | 13 | 10 | 11 | 7 | 11 | 13 | 9 |
| Modifications | 45 | 49 | 47 | 53 | 59 | 63 | 67 | 62 | 59 | 65 |
| <u>Noncompetitive</u> | <u>42</u> | <u>39</u> | <u>38</u> | <u>34</u> | <u>31</u> | <u>26</u> | <u>26</u> | <u>27</u> | <u>28</u> | <u>26</u> |
| 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. | | | | | | | | | | |

COMPETITION IN NASA AWARDS

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) | | | | | | | | | |
| <u>Total Available</u> | <u>\$7,310.3</u> | <u>\$6,575.3</u> | <u>\$7,350.4</u> | <u>\$8,705.5</u> | <u>\$10,202.3</u> | <u>\$10,562.7</u> | <u>\$10,877.3</u> | <u>\$10,649.1</u> | <u>\$10,138.4</u> | <u>\$10,525.6</u> |
| <u>Competed</u> | <u>4,950.1</u> | <u>5,031.7</u> | <u>5,890.3</u> | <u>6,995.8</u> | <u>8,318.4</u> | <u>8,169.8</u> | <u>8,660.9</u> | <u>8,635.6</u> | <u>7,202.3</u> | <u>6,944.6</u> |
| 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 |
| <u>Not Competed</u> | <u>2,143.1</u> | <u>1,445.7</u> | <u>1,279.4</u> | <u>1,376.3</u> | <u>1,338.5</u> | <u>782.8</u> | <u>780.2</u> | <u>699.0</u> | <u>1,790.2</u> | <u>2,532.2</u> |
| 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 |
| <u>Follow-On</u> | <u>217.1</u> | <u>97.9</u> | <u>180.7</u> | <u>333.4</u> | <u>545.4</u> | <u>1,610.1</u> | <u>1,436.2</u> | <u>1,314.5</u> | <u>1,145.9</u> | <u>1,048.8</u> |
| 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 | | | | | | | | | |
| <u>Total Available</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> |
| <u>Competed</u> | <u>67.7</u> | <u>76.5</u> | <u>80.1</u> | <u>80.4</u> | <u>81.5</u> | <u>77.3</u> | <u>79.6</u> | <u>81.1</u> | <u>71.0</u> | <u>66.0</u> |
| 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 |
| <u>Not Competed</u> | <u>29.3</u> | <u>22.0</u> | <u>17.4</u> | <u>15.8</u> | <u>13.1</u> | <u>7.4</u> | <u>7.2</u> | <u>6.6</u> | <u>17.7</u> | <u>24.0</u> |
| 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 |
| <u>Follow-On</u> | <u>3.0</u> | <u>1.5</u> | <u>2.5</u> | <u>3.8</u> | <u>5.4</u> | <u>15.3</u> | <u>13.2</u> | <u>12.3</u> | <u>11.3</u> | <u>10.0</u> |
| 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 .05 percent.

APPENDIX IIA

COMPETITION IN NASA AWARDS

FISCAL YEARS 1996 - 2002

| TYPE OF ACTION | FY 1996 | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | | | |
|------------------------|-------------------|-------------------|------------------|--------------------------------|------------------|------------------|-------------------|--|--|--|
| | | | | 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>Competed</u> | <u>6,486.7</u> | <u>5,399.4</u> | <u>5,255.3</u> | <u>5,459.6</u> | <u>5,384.4</u> | <u>5,743.9</u> | <u>5,763.5</u> | | | |
| New Awards | 951.1 | 750.2 | 792.6 | 803.4 | 1,065.2 | 1,041.6 | 752.1 | | | |
| Modifications | 5,535.6 | 4,649.2 | 4,462.7 | 4,656.2 | 4,319.2 | 4,702.3 | 5,011.4 | | | |
| <u>Not Competed</u> | <u>2,661.2</u> | <u>3,816.1</u> | <u>3,643.1</u> | <u>3,325.3</u> | <u>3,512.4</u> | <u>3,482.7</u> | <u>3,858.8</u> | | | |
| New Awards | 283.5 | 177.8 | 182.5 | 128.2 | 312.1 | 140.4 | 387.3 | | | |
| Modifications | 2,377.7 | 3,638.3 | 3,460.6 | 3,197.1 | 3,200.3 | 3,342.3 | 3,471.5 | | | |
| <u>Follow-On</u> | <u>916.4</u> | <u>789.3</u> | <u>797.8</u> | <u>850.1</u> | <u>730.1</u> | <u>464.0</u> | <u>502.2</u> | | | |
| New Awards | 0.5 | 12.3 | 65.0 | 208.1 | 299.8 | 6.4 | 1.9 | | | |
| Modifications | 915.9 | 777.0 | 732.8 | 642.0 | 430.3 | 457.6 | 500.3 | | | |
| | | | | Percent of Total | | | | | | |
| <u>Total Available</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | <u>100.0</u> | | | |
| <u>Competed</u> | <u>64.5</u> | <u>54.0</u> | <u>54.2</u> | <u>56.7</u> | <u>56.0</u> | <u>59.3</u> | <u>56.9</u> | | | |
| New Awards | 9.5 | 7.5 | 8.2 | 8.4 | 11.1 | 10.8 | 7.4 | | | |
| Modifications | 55.0 | 46.5 | 46.0 | 48.3 | 44.9 | 48.5 | 49.5 | | | |
| <u>Not Competed</u> | <u>26.4</u> | <u>38.1</u> | <u>37.6</u> | <u>34.5</u> | <u>36.5</u> | <u>35.9</u> | <u>38.1</u> | | | |
| New Awards | 2.8 | 1.7 | 1.9 | 1.3 | 3.3 | 1.4 | 3.8 | | | |
| Modifications | 23.6 | 36.4 | 35.7 | 33.2 | 33.2 | 34.5 | 34.3 | | | |
| <u>Follow-On</u> | <u>9.1</u> | <u>7.9</u> | <u>8.2</u> | <u>8.8</u> | <u>7.5</u> | <u>4.8</u> | <u>5.0</u> | | | |
| New Awards | 0.0 | 0.1 | 0.7 | 2.1 | 3.1 | 0.1 | 0.1 | | | |
| Modifications | 9.1 | 7.8 | 7.5 | 6.7 | 4.4 | 4.7 | 4.9 | | | |

* Less than .05 percent.

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 |
|-----------------------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| <u>TOTAL BUSINESS</u> | <u>\$423.3</u> * | <u>\$1,030.1</u> * | <u>\$2,261.7</u> | <u>\$3,521.1</u> | <u>\$4,141.4</u> | <u>\$4,087.7</u> | <u>\$3,864.1</u> | <u>\$3,446.1</u> | <u>\$3,022.3</u> | <u>\$2,759.2</u> |
| <u>SMALL BUSINESS</u> | <u>63.5</u> | <u>123.6</u> | <u>191.3</u> | <u>240.3</u> | <u>286.3</u> | <u>255.9</u> | <u>216.9</u> | <u>189.6</u> | <u>162.8</u> | <u>161.2</u> |
| % OF TOTAL | 15.0 | 12.0 | 8.5 | 6.8 | 6.9 | 6.3 | 5.6 | 5.5 | 5.4 | 5.8 |
| <u>SET-ASIDES</u> | <u>6.0</u> | <u>14.0</u> | <u>26.0</u> | <u>39.5</u> | <u>67.4</u> | <u>50.6</u> | <u>45.7</u> | <u>34.0</u> | <u>31.4</u> | <u>35.7</u> |
| % 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 |
| | FY 1971 | FY 1972 | FY 1973 | FY 1974 | FY 1975 | FY 1976 | FY 1977 | FY 1978 | FY 1979 | FY 1980 |
| <u>TOTAL BUSINESS</u> | <u>\$2,279.5</u> | <u>\$2,143.3</u> | <u>\$2,063.8</u> | <u>\$2,118.6</u> | <u>\$2,255.0</u> | <u>\$2,536.1</u> | <u>\$2,838.1</u> | <u>\$2,953.8</u> | <u>\$3,416.4</u> | <u>\$3,868.3</u> |
| <u>SMALL BUSINESS</u> | <u>178.1</u> | <u>160.9</u> | <u>155.3</u> | <u>181.2</u> | <u>216.0</u> | <u>218.3</u> | <u>255.0</u> | <u>281.5</u> | <u>325.4</u> | <u>384.6</u> |
| % OF TOTAL | 7.8 | 7.5 | 7.5 | 8.6 | 9.6 | 8.6 | 9.0 | 9.5 | 9.5 | 9.9 |
| <u>SET-ASIDES</u> | <u>41.1</u> | <u>45.1</u> | <u>47.3</u> | <u>61.5</u> | <u>62.6</u> | <u>66.8</u> | <u>83.7</u> | <u>92.5</u> | <u>99.4</u> | <u>175.2</u> |
| % 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 |
| | FY 1981 | FY 1982 | FY 1983 | FY 1984 | FY 1985 | FY 1986 | FY 1987 | FY 1988 | FY 1989 | FY 1990 |
| <u>TOTAL BUSINESS</u> | <u>\$4,272.8</u> | <u>\$4,805.6</u> | <u>\$5,586.0</u> | <u>\$5,967.4</u> | <u>\$6,652.9</u> | <u>\$6,356.0</u> | <u>\$6,540.5</u> | <u>\$7,274.9</u> | <u>\$8,567.6</u> | <u>\$10,071.5</u> |
| <u>SMALL BUSINESS</u> | <u>409.4</u> | <u>430.1</u> | <u>482.3</u> | <u>556.2</u> | <u>644.7</u> | <u>671.3</u> | <u>786.3</u> | <u>801.4</u> | <u>857.3</u> | <u>924.3</u> |
| % OF TOTAL | 9.6 | 8.9 | 8.6 | 9.3 | 9.7 | 10.6 | 12.0 | 11.0 | 10.0 | 9.2 |
| <u>SET-ASIDES</u> | <u>195.8</u> | <u>209.3</u> | <u>212.0</u> | <u>222.5</u> | <u>270.0</u> | <u>260.9</u> | <u>297.2</u> | <u>326.1</u> | <u>322.5</u> | <u>307.3</u> |
| % 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 (Cont'd)

FISCAL YEARS 1991 - 2002
(Millions of Dollars)

| | FY 1991 | FY 1992 | FY 1993 | FY 1994 | FY 1995 | FY 1996 | FY 1997 | FY 1998 | FY 1999 | FY 2000 |
|-----------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|
| <u>TOTAL BUSINESS</u> | <u>\$10,417.3</u> | <u>\$10,716.7</u> | <u>\$10,497.9</u> | <u>\$9,965.7</u> | <u>\$10,311.5</u> | <u>\$9,800.8</u> | <u>\$9,817.2</u> | <u>\$9,550.5</u> | <u>\$9,386.5</u> | <u>\$9,272.8</u> |
| <u>SMALL BUSINESS</u> | <u>968.3</u> | <u>1,010.6</u> | <u>1,060.7</u> | <u>1,150.2</u> | <u>1,171.2</u> | <u>1,162.5</u> | <u>1,244.2</u> | <u>1,218.3</u> | <u>1,287.0</u> | <u>1,485.5</u> |
| % OF TOTAL | 9.3 | 9.4 | 10.1 | 11.5 | 11.4 | 11.9 | 12.7 | 12.8 | 13.7 | 16.0 |
| <u>SET-ASIDES</u> | <u>324.3</u> | <u>274.9</u> | <u>315.1</u> | <u>330.4</u> | <u>366.7</u> | <u>348.5</u> | <u>429.4</u> | <u>457.2</u> | <u>530.4</u> | <u>565.1</u> |
| % 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 |
| | FY 2001 | FY 2002 | | | | | | | | |
| <u>TOTAL BUSINESS</u> | <u>\$9,209.7</u> | <u>\$9,568.9</u> | | | | | | | | |
| <u>SMALL BUSINESS</u> | <u>1,609.9</u> | <u>1,680.0</u> | | | | | | | | |
| % OF TOTAL | 17.5 | 17.6 | | | | | | | | |
| <u>SET-ASIDES</u> | <u>568.1</u> | <u>582.4</u> | | | | | | | | |
| % OF TOTAL | 6.2 | 6.1 | | | | | | | | |
| % OF SMALL | 35.3 | 34.6 | | | | | | | | |
| <u>TOTAL BUSINESS</u> | | | | | | | | | | |
| <u>SMALL BUSINESS</u> | | | | | | | | | | |
| % OF TOTAL | | | | | | | | | | |
| <u>SET-ASIDES</u> | | | | | | | | | | |
| % OF TOTAL | | | | | | | | | | |
| % OF SMALL | | | | | | | | | | |

* Excludes procurements placed under General Services Administration contracts.