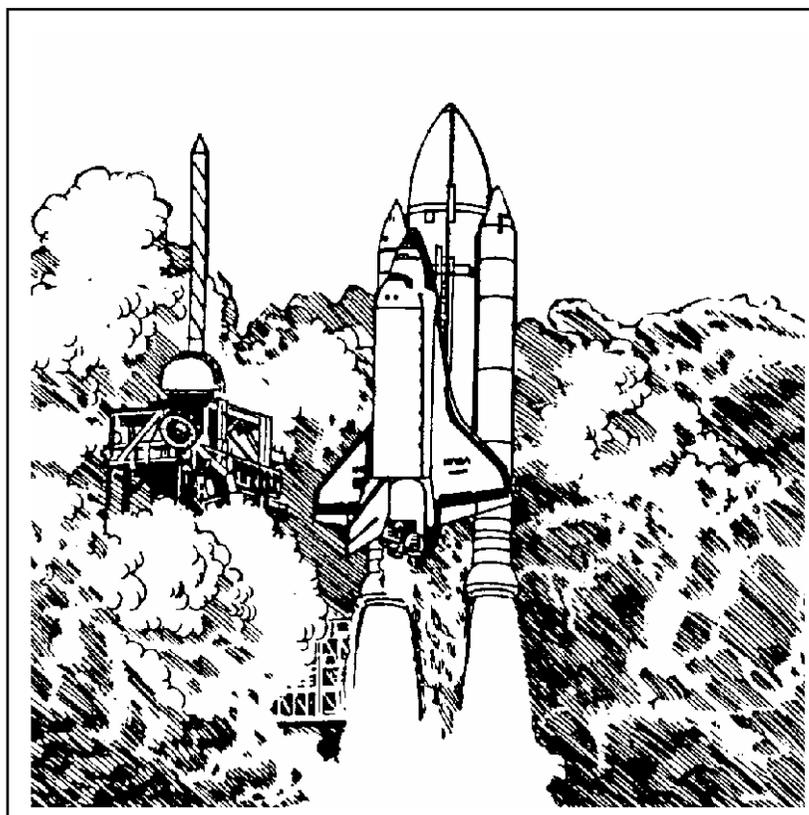




ANNUAL PROCUREMENT REPORT

Fiscal Year 2004



INTRODUCTION

This report presents summary data on all NASA procurement actions and detailed information on contracts, grants, agreements, and other procurements awarded by NASA during Fiscal Year 2004 using appropriated funds.

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 1940 D-4)
Washington, DC 20546

NASA: Explore. Discover. Understand.

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I. TOTAL PROCUREMENTS

Fiscal Year 2004 - NASA's procurements totaled \$13,472.4 million. The number of procurement actions totaled 109,476.

TRENDS IN
PROCUREMENT OBLIGATIONS VS. TOTAL NASA OBLIGATIONS *
FISCAL YEARS 2000 - 2004
(MILLIONS OF DOLLARS)

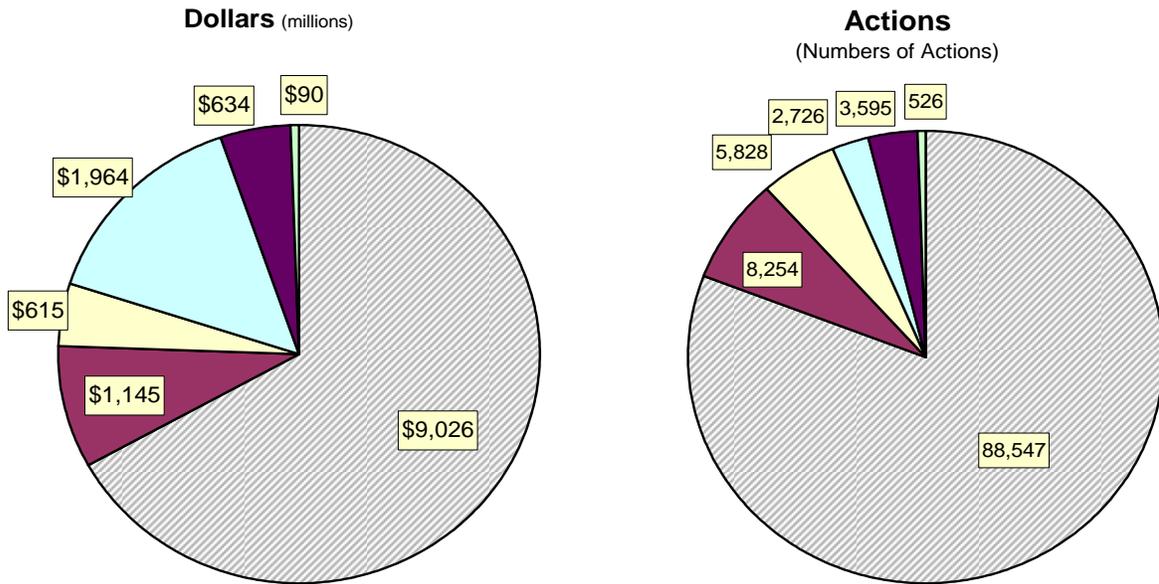
Fiscal Year	Total NASA Obligations	Procurement Obligations	
		Amount	% of Total Obligations
2004	\$16,049.9	\$13,472.4	83.9%
2003	15,657.7	13,273.7	84.8%
2002	15,519.5	13,302.5	85.7%
2001	14,157.4	12,748.1	90.0%
2000	14,484.1	12,504.7	86.3%

*Total NASA obligations include salaries, benefits and travel of NASA employees, as well as 135,110 credit card purchases in the amount of \$76.9 million.

II. AWARDS BY TYPE OF CONTRACTOR

Fiscal Year 2004 - 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 2004



<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	\$ 9,025.6	67.0%	88,547	80.9%
Educational Institutions	1,144.5	8.5%	8,254	7.5%
Nonprofit Organizations	614.6	4.6%	5,828	5.3%
JPL	1,963.7	14.6%	2,726	2.5%
Gov't Agencies	634.1	4.7%	3,595	3.3%
Outside U.S.	89.9	0.7%	526	0.5%
Total:	\$ 13,472.4	100.0%	109,476	100.0%

Figure 1

TRENDS IN AWARDS BY TYPE OF CONTRACTOR
FISCAL YEARS 2000 - 2004

PROCUREMENT DOLLARS (IN MILLIONS)

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>
BUSINESS FIRMS	\$9,273	\$9,210	\$9,569	\$9,510	\$9,026
EDUCATIONAL	995	1,084	1,194	1,225	1,144
NONPROFIT	466	523	583	576	614
JPL	1,291	1,452	1,404	1,290	1,964
GOV'T AGENCIES	382	382	486	601	634
OUTSIDE U.S.	97	97	67	72	90
TOTAL	<u>\$12,504</u>	<u>\$12,748</u>	<u>\$13,303</u>	<u>\$13,274</u>	<u>\$13,472</u>

PERCENT OF TOTAL DOLLARS

BUSINESS FIRMS	74%	72%	72%	72%	67%
EDUCATIONAL	8%	9%	9%	9%	8%
NONPROFIT	4%	4%	4%	4%	4%
JPL	10%	11%	11%	10%	15%
GOV'T AGENCIES	3%	3%	3%	4%	5%
OUTSIDE U.S.	1%	1%	1%	1%	1%
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 - 2004.

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.

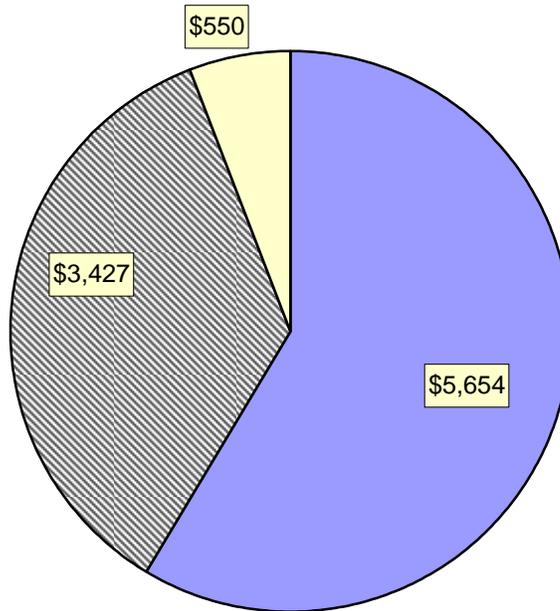
B. Reporting of Competition

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 2004

Appendix II and IIA shows Competition to Business Firms for the period Fiscal Year 1961 – 2004.

COMPETITION IN NASA AWARDS FISCAL YEAR 2004



<u>Total Available for Competition *</u>	<u>Value (\$ millions)</u>	<u>Percent of Total</u>
Competed:		
New awards:		
Sealed bids	\$ 35.2	0.4%
Negotiated	1,163.6	12.1%
Subtotal New Awards	<u>\$ 1,198.8</u>	<u>12.4%</u>
Modifications:		
Sealed bids	\$ 28.1	0.3%
Negotiated	4,426.6	46.0%
Subtotal Modifications	<u>\$ 4,454.7</u>	<u>46.3%</u>
Subtotal Competed	<u><u>\$ 5,653.5</u></u>	<u>58.7%</u>
Not Competed		
New Awards	\$ 159.4	1.7%
Modifications	3,267.5	33.9%
Subtotal Not Competed	<u>\$ 3,426.9</u>	<u>35.6%</u>
Follow-on		
New Awards	\$ 6.4	0.1%
Modifications	544.0	5.6%
Subtotal Follow-on	<u>\$ 550.4</u>	<u>5.7%</u>
Total:	<u><u>\$ 9,630.8</u></u>	<u>100.0%</u>

* The \$9,630.8 million does not include \$3,839 million in awards which were not available for competition.

Figure 2

TRENDS IN AWARDS BY EXTENT OF COMPETITION
FISCAL YEARS 2000 - 2004

TYPE OF ACTION	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Net Value of Awards (Millions)					
<u>Total Available</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>Competed</u>	<u>\$ 5,384.4</u>	<u>\$ 5,743.9</u>	<u>\$ 5,763.5</u>	<u>\$ 5,979.0</u>	<u>\$ 5,653.5</u>
New Awards	1,065.2	1,041.6	752.1	861.5	1,198.8
Modifications	4,319.2	4,702.3	5,011.4	5,117.5	4,454.7
<u>Not Competed</u>	<u>\$ 3,512.4</u>	<u>\$ 3,482.7</u>	<u>\$ 3,858.8</u>	<u>\$ 3,857.6</u>	<u>\$ 3,426.9</u>
New Awards	312.1	140.4	387.3	405.8	159.4
Modifications	3,200.3	3,342.3	3,471.5	3,451.8	3,267.5
<u>Follow-On</u>	<u>\$ 730.1</u>	<u>\$ 464.0</u>	<u>\$ 502.2</u>	<u>\$ 556.7</u>	<u>\$ 550.4</u>
New Awards	299.8	6.4	1.9	81.1	6.4
Modifications	430.3	457.6	500.3	475.6	544.0
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>56.0</u>	<u>59.3</u>	<u>56.9</u>	<u>57.5</u>	<u>58.7</u>
New Awards	11.1	10.8	7.4	8.3	12.4
Modifications	44.9	48.5	49.4	49.2	46.3
<u>Not Competed</u>	<u>36.5</u>	<u>35.9</u>	<u>38.1</u>	<u>37.1</u>	<u>35.6</u>
New Awards	3.3	1.4	3.8	3.9	1.7
Modifications	33.2	34.5	34.2	33.2	33.9
<u>Follow-On</u>	<u>7.5</u>	<u>4.8</u>	<u>5.0</u>	<u>5.4</u>	<u>5.7</u>
New Awards	3.1	0.1	0.1	0.8	0.1
Modifications	4.4	4.7	4.9	4.6	5.6

IV. AWARDS TO BUSINESS FIRMS

A. Awards By Contract Type

Fiscal Year 2004 – The table below depicts the trends in awards to business firms by contract type. Figure 3, on the following page, categorizes Fiscal Year 2004 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.

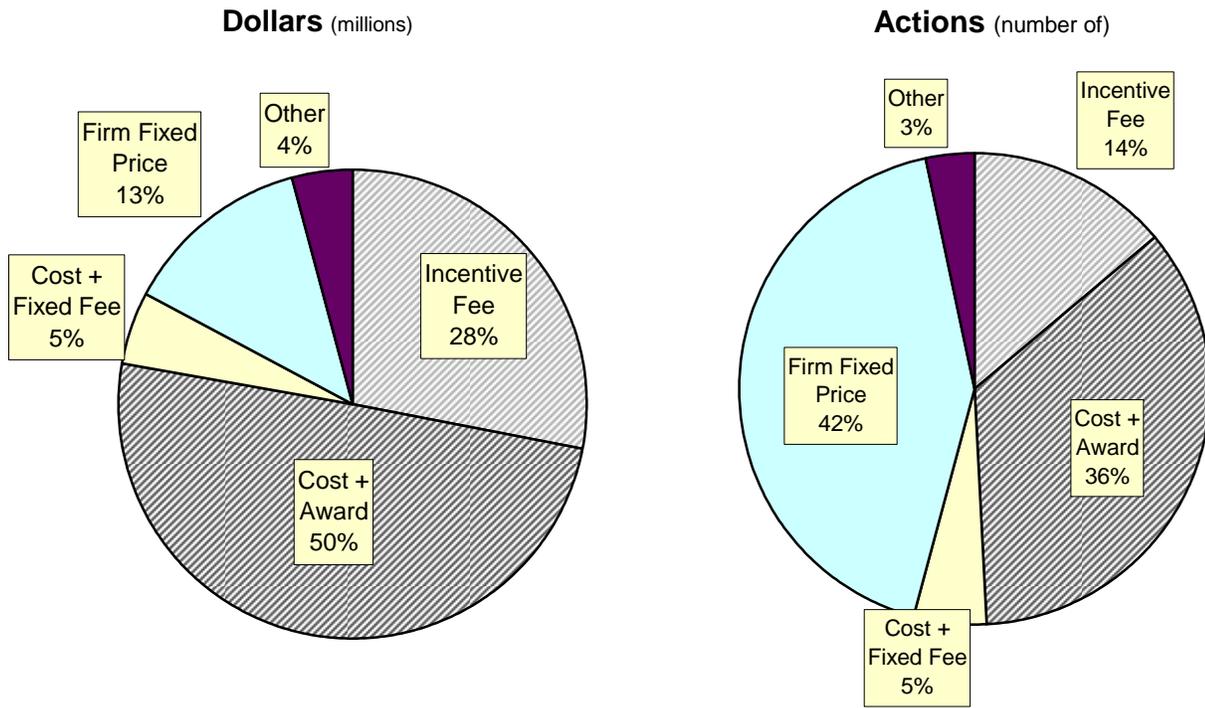
TRENDS IN AWARDS TO BUSINESS FIRMS BY CONTRACT TYPE* FISCAL YEARS 2000 - 2004

	PROCUREMENT DOLLARS (IN MILLIONS)				
	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>
Firm Fixed Price	\$1,168	\$1,358	\$1,309	\$1,421	\$1,471
Incentive	2,628	3,053	3,238	3,234	3,165
Cost Plus Award Fee	4,342	3,896	4,154	5,349	5,605
Cost Plus Fixed Fee	401	253	224	514	574
Other	290	235	175	571	460
<u>TOTAL BUSINESS</u>	<u>\$8,829</u>	<u>\$8,795</u>	<u>\$9,100</u>	<u>\$11,089</u>	<u>\$11,275</u>

	PERCENT OF TOTAL DOLLARS				
Firm Fixed Price	13%	15%	14%	13%	13%
Incentive	30%	35%	36%	29%	28%
Cost Plus Award Fee	49%	44%	46%	48%	50%
Cost Plus Fixed Fee	5%	3%	2%	5%	5%
Other	3%	3%	2%	5%	4%
<u>TOTAL BUSINESS</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>

*Excludes orders placed against GSA Federal Supply Schedule contracts.

**AWARDS BY CONTRACT TYPE
TO BUSINESS FIRMS*
FISCAL YEAR 2004**



Category	Amount (\$millions)	Percent of Total	Actions (number of)	Percent of Total
Firm Fixed Price	\$ 1,471.1	13.0%	23,304	42.4%
Incentive Fee:				
Fixed Price Incentive Fee	67.3	0.6%	370	0.7%
Cost Plus Incentive Fee	3,098.4	27.5%	7,200	13.1%
Subtotal Incentive Fee	\$ 3,165.7	28.1%	7,570	13.8%
Cost Plus Award Fee	\$ 5,604.6	49.7%	19,536	35.5%
Cost Plus Fixed Fee	\$ 573.8	5.1%	2,742	5.0%
Other:				
Fixed Price Redermination	1.5	0.0%	16	0.0%
Economic Price Adj.	30.3	0.3%	395	0.7%
Cost No Fee	401.2	3.6%	869	1.6%
Cost Sharing	1.2	0.0%	16	0.0%
Labor Hour	10.2	0.1%	389	0.7%
Time & Material	15.8	0.1%	154	0.3%
Subtotal Other:	\$ 460.2	4.1%	1,839	3.3%
Total	\$ 11,275	100.0%	54,991	100.0%

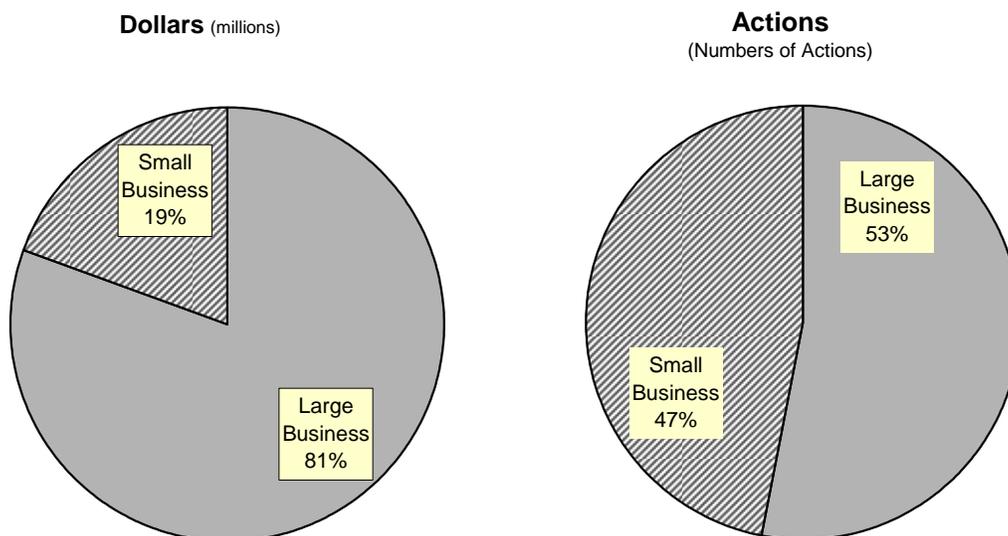
*Excludes orders under GSA Federal Supply Schedule contracts

Figure 3

B. Small Business Participation

Total Small Business - During Fiscal Year 2004, NASA awards to small business firms totaled \$1,755.5 million (See Figure 4). The \$1,755.5 million includes \$548.8 million in new awards. New awards to small business firms represented 41 percent of NASA's total new contract awards of \$1,354.7 million to all business firms during Fiscal Year 2004.

SMALL BUSINESS PARTICIPATION FISCAL YEAR 2004



<u>Category</u>	<u>Amount</u> (\$ millions)	<u>Percent</u> of Total	<u>Actions</u> (Number of)	<u>Percent</u> of Total
Large Business	7,270.1	80.5%	47,069	53.2%
Small Business	\$ 1,755.5 *	19.5%	41,478	46.8%
Total:	\$ 9,025.6	100.0%	88,547	100.0%

* Includes \$546.0 million awarded to small disadvantaged firms under Authority of Section 8(a) of the Small Business Act. Also includes \$120.9 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 2004, these set-asides amounted to \$552.1 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 2004, 8(a) awards totaled \$546 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 2004, NASA awarded 441 new SBIR contracts totaling \$67.3 million. Of this amount, 282 were Phase I awards totaling \$19.7 million and 159 were Phase II awards totaling \$47.6 million. Also in Fiscal Year 2004, NASA funded on-going Phase II contracts with a total of \$36.7 million. Included in the total SBIR awards of \$104 million, 82 contracts, or \$11.2 million, were to small disadvantaged business firms, and 66 contracts, or \$9.7 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 2004, NASA awarded 81 new STTR contracts totaling \$12.1 million. Of this amount, 49 were Phase I awards totaling \$5.3 million, and 32 were Phase II awards totaling \$6.8 million. Nineteen on-going Phase II STTR contracts were also funded for a total of \$3.3 million. Included in the STTR awards are 11 contracts for \$1.6 million to small disadvantaged business firms, and 5 contracts amounting to \$649,000 to women-owned firms.

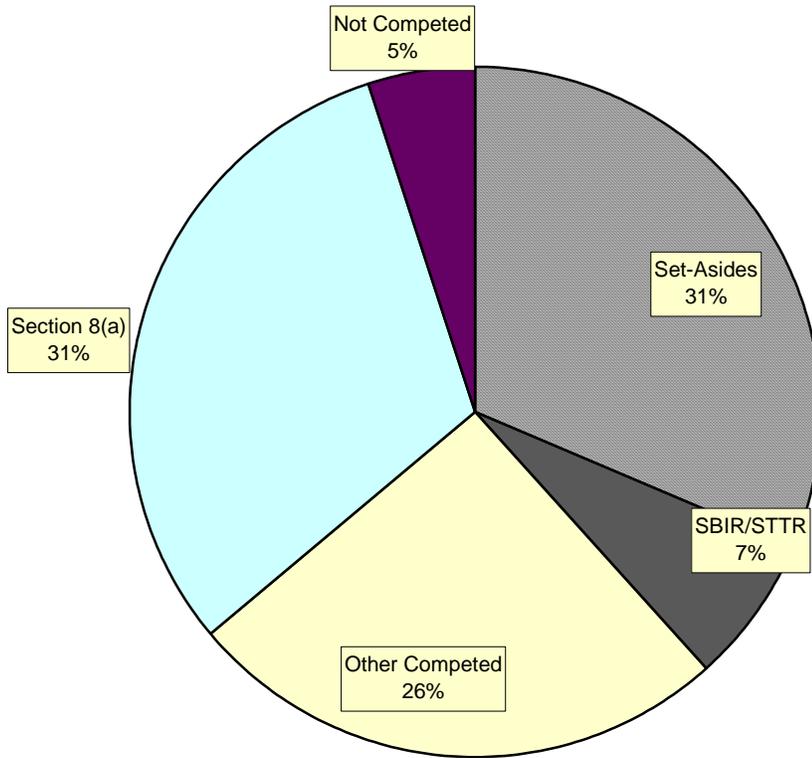
(5) Women-Owned Small Business Participation - In accordance with Executive Order 12138, Women’s Business Enterprise, NASA extends a particular effort to ensure that business firms owned and controlled by women have an equitable opportunity to participate in NASA’s procurement program. In Fiscal Year 2004, Women-Owned Small Business firms received prime contract awards totaling \$322.9 million.

(6) HubZone Small Business Awards – NASA awarded \$39.2 million to Hubzone Small Business Concerns in FY 2004.

(7) Veteran-Owned Small Business Awards – In FY 2004, NASA awarded over \$119 million to Veteran Owned Small Businesses. Of this amount, \$64.7 million was to Service Disabled Veteran Owned Small Businesses.

C. Extent of Competition in Small Business Awards

**COMPETITION IN SMALL BUSINESS AWARDS
FISCAL YEAR 2004**



Category	Amount (millions)	Percent of Total
Set-Asides	\$ 552.1	31.5%
SBIR/STTR	120.9	6.9%
Other Competed	450.7	25.7%
Section 8(a)	546.0	31.1%
Not Competed	85.7	4.9%
Total	\$ 1,755.4	100.0%

Figure 5

D. Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during Fiscal Year 2004 totaled \$921 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 19.4 percent in Fiscal Year 2004, surpassing the 8 percent goal for the twelfth year in a row.

TRENDS IN SMALL AND SMALL DISADVANTAGED
BUSINESS AWARDS
FISCAL YEARS 2000 - 2004
(MILLIONS OF DOLLARS)

TYPE OF AWARD	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Section 8(a)	\$419.9	\$445.8	\$479.1	\$466.1	\$546.0
Other Small Disadv. Business	<u>310.0</u>	<u>352.2</u>	<u>334.4</u>	<u>352.4</u>	<u>375.0</u>
Total	<u><u>\$729.9</u></u>	<u><u>\$798.0</u></u>	<u><u>\$813.5</u></u>	<u><u>\$818.5</u></u>	<u><u>\$921.0</u></u>

Appendix III shows NASA awards to small business firms for Fiscal Years 1961-2004.

E. Awards by Type of Effort. During Fiscal Year 2004, \$9,085.9 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>\$ 9,085.9</u>	<u>11,650</u>
<u>Research & Development</u>	<u>\$ 1,751.3</u>	<u>1,978</u>
Space Station	508.2	10
Aeronautics & Space Technology	435.9	984
Space Flight	309.5	67
Space Science & Applications	273.5	285
Space Operations	10.2	23
Commercial Programs	3.2	17
Other Space R&D	77.6	146
Other R&D	133.2	446
<u>Services</u>	<u>\$ 5,882.2</u>	<u>3,454</u>
Professional, Admin. & Mgmt. Support	3,212.9	660
ADP & Telecommunications	767.5	253
Operation of Gov't-owned Facilities	571.6	52
Special Studies & Analyses-Not R&D	319.3	130
Transportation, Travel & Relocation Svc.	286.0	31
Quality Control, Testing & Inspection	147.0	33
Maint., Repair or Alteration Real Property	102.6	215
Architect & Engineering Services	86.6	175
Other Services	388.7	1,905
<u>Supplies & Equipment</u>	<u>\$ 1,452.4</u>	<u>6,218</u>
Space Vehicles	1,122.2	57
ADP Equipment, Software, Supplies & Support Equipment	113.0	1,809
Instruments & Laboratory Equipment	27.9	424
Fuels, Lubricants, Oils & Waxes	24.1	76
Chemicals & Chemical Products	24.3	46
Electrical & Electronic Equip. Componen	20.9	119
Furniture	7.4	212
Aircraft Launch, Landing & Ground Equip	4.3	2
Other Supplies & Equipment	108.3	3,473

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 2004 are shown below. The awards to these contractors accounted for 90 percent of the direct awards to business firms during the year. The smallest aggregate award to any contractor was in excess of \$7 million. Of the one hundred contractors, 39 were small business firms and of these 28 were disadvantaged firms at the time of award.

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2004
 (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>	\$9,025,668	100.00
1. UNITED SPACE ALLIANCE	1,778,523	19.71
2. BOEING CO.	666,628	7.39
3. LOCKHEED MARTIN CORP.	596,338	6.61
4. SCIENCE APPLICATIONS INTL. CORP.	350,625	3.88
5. THIOKOL CORP.	335,295	3.71
6. BOEING NORTH AMERICAN INC.	287,090	3.18
7. SPACE GATEWAY SUPPORT	266,429	2.95
8. HONEYWELL TECHNOLOGY SOLUTIONS INC.	224,792	2.49
9. LOCKHEED MARTIN SPACE OPERATIONS	220,231	2.44
10. LOCKHEED MARTIN ENGRG & SCIENCE CO.	205,673	2.28
11. Q S S GROUP INC. (S) (D)	182,567	2.02
12. DELTA LAUNCH SERVICES INC.	151,935	1.68
13. SWALES & ASSOCIATES INC. (S)	124,066	1.37
14. SVERDRUP TECHNOLOGY INC.	109,352	1.21
15. WYLE LABORATORIES	104,157	1.15
16. RAYTHEON TECHNICAL SERVICES CO.	98,599	1.09
17. NORTHROP GRUMMAN SPACE & MISSION	90,869	1.01
18. RAYTHEON INFORMATION SYSTEMS CO.	82,030	0.91
19. HAMILTON SUNDSTRAND SPACE SYSTEMS	81,192	0.90
20. BOEING SPACE OPERATIONS CO.	76,093	0.84
21. BALL AEROSPACE & TECH. CORP.	74,126	0.82
22. SCIENCE SYSTEMS APPLICATIONS (S) (D)	74,100	0.82
23. DYNCORP TECHNICAL SERVICES	72,191	0.80
24. INDYNE INC. (S)	71,462	0.79

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2004

(S=Small Business/D=Disadvantaged Business)

<u>CONTRACTOR</u>		<u>AWARDS</u> <u>(THOUSANDS)</u>	<u>PERCENT</u>
25. O A O CORP.		71,331	0.79
26. BOEING SATELLITE SYSTEMS INC.		68,307	0.76
27. COMPUTER SCIENCES CORP.		66,656	0.74
28. MISSISSIPPI SPACE SERVICES		65,184	0.72
29. ORBITAL SCIENCES CORP.		52,870	0.59
30. T R W INC.		49,328	0.55
31. A S R C AEROSPACE CORP.	(S) (D)	46,517	0.52
32. E G & G TECHNICAL SERVICES INC.		39,854	0.44
33. MCDONNELL DOUGLAS CORP.		38,514	0.43
34. LOCKHEED MARTIN GOV'T SVS INC.		37,627	0.42
35. TELEDYNE INDUSTRIES INC.		35,241	0.39
36. S G T INC.	(S) (D)	35,166	0.39
37. NORTHROP GRUMMAN SYSTEMS CORP.		33,882	0.38
38. LOCKHEED MARTIN SPACE SYSTEMS CO		33,400	0.37
39. NORTHROP GRUMMAN INFO TECH INC.		32,764	0.36
40. ANALEX CORP.	(S)	31,495	0.35
41. GLOBAL SCIENCE & TECH INC.	(S) (D)	31,073	0.34
42. I T T INDUSTRIES INC.		30,269	0.34
43. COLSA CORP.	(S) (D)	30,184	0.33
44. MANTECH SYSTEMS ENGINEERING CORP.		30,090	0.33
45. SILICON GRAPHICS INC.		30,005	0.33
46. TRAX INTERNATIONAL INC.		28,509	0.32
47. P R C INC.		27,917	0.31
48. SPECTRUM ASTRO INC	(S)	26,876	0.30
49. CUBE CORP.	(S) (D)	26,162	0.29
50. ADVANCED MANAGEMENT TECH. INC.	(S) (D)	25,717	0.28
51. ARES CORP.	(S)	24,251	0.27
52. DANIEL MANN JOHNSON MENDENHAL		23,281	0.26
53. UNITED TECHNOLOGIES CORP.		22,780	0.25
54. ARCATA ASSOCIATES INC.	(S) (D)	22,394	0.25
55. BARRIOS TECHNOLOGY LTD	(S)	21,245	0.24
56. JOHNSON CONTROLS WORLD SERVICES		20,976	0.23
57. TESSADA & ASSOCIATES INC.	(S) (D)	20,360	0.23
58. GENERAL ELECTRIC COMPANY		20,324	0.23
59. SECTEK INC.	(S) (D)	19,210	0.21

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2004
 (S=Small Business/D=Disadvantaged Business)

<u>CONTRACTOR</u>			<u>AWARDS</u>	
			<u>(THOUSANDS)</u>	<u>PERCENT</u>
60. HERNANDEZ ENGINEERING INC.	(S)	(D)	18,130	0.20
61. R S INFORMATION SYSTEMS INC.	(S)	(D)	17,743	0.20
62. ACCENTURE LLP			16,829	0.19
63. DYNAMAC CORP.	(S)		16,550	0.18
64. L B & B ASSOCIATES INC.	(S)	(D)	16,280	0.18
65. PARSONS INFRASTRUCTURE & TECH			15,795	0.18
66. AVERSTAR INC.			15,297	0.17
67. PRAXAIR INC.			14,847	0.16
68. DYNACORP			14,691	0.16
69. IVEY'S CONSTRUCTION INC.	(S)		14,615	0.16
70. RAYTHEON SYSTEMS CO.			14,103	0.16
71. MUNIZ ENGINEERING INC.	(S)	(D)	13,792	0.15
72. VIRGINIA ELECTRIC & POWER CO.			13,166	0.15
73. G S C CONSTRUCTION INC.	(S)		12,616	0.14
74. I T T CORP.			12,010	0.13
75. NORTHROP GRUMMAN COMPUTING SYS.			11,936	0.13
76. INDUS CORP.	(S)	(D)	11,739	0.13
77. BOOZ ALLEN & HAMILTON INC.			11,411	0.13
78. PLANNERS COLLABORATIVE INC.	(S)	(D)	10,960	0.12
79. B A E SYSTEMS INFO & ELEC SYS.			10,745	0.12
80. HAMILTON SUNDSTRAND CORP.			10,613	0.12
81. KELSEY SEYBOLD MEDICAL GROUP			10,522	0.12
82. GILCREST ELECTRIC & SUPPLY CO.	(S)	(D)	10,482	0.12
83. S R S INFORMATION SERVICES	(S)	(D)	10,451	0.12
84. UNISYS CORP.			10,067	0.11
85. INFONETIC	(S)	(D)	10,025	0.11
86. TITAN SYSTEMS CORP.			10,022	0.11
87. DIAMOND GROUP INC.	(S)		9,968	0.11
88. AKIMA CORP.	(S)	(D)	9,796	0.11
89. ANALYTICAL SERVICES & MAT INC	(S)	(D)	9,613	0.11
90. FIRST ENERGY CORP.			9,532	0.11
91. GOVERNMENT MICRO RESOURCES INC.	(S)	(D)	9,365	0.10
92. MAINTHIA TECHNOLOGIES INC.	(S)	(D)	9,058	0.10
93. PLUM BROOK OPERATIONS SUP GROUP	(S)	(D)	8,990	0.10
94. NEW ERA BUILDERS	(S)	(D)	8,734	0.10
95. AEROJET GENERAL CORP.			8,391	0.09

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
 ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2004
 (S=Small Business/D=Disadvantaged Business)

	<u>CONTRACTOR</u>	<u>AWARDS</u>	
		<u>(THOUSANDS)</u>	<u>PERCENT</u>
96.	S A P PUBLIC SERVICES INC.		7,755 0.09
97.	P A I CORP.	(S) (D)	7,717 0.09
98.	POTOMAC ELECTRIC POWER CO.		7,296 0.08
99.	ELORET CORP.	(S)	7,151 0.08
100.	ZIN TECHNOLOGIES INC.	(S) (D)	7,146 0.08
	OTHER*		1,005,597 11.14

*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 2004 totaled \$1,963.7 million. Of this amount, JPL awarded \$700.3 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 2004, \$1,759.1 million was awarded to educational and other nonprofit institutions. Of this amount, \$1,144.5 million was awarded to educational institutions and \$614.6 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	\$685.5	\$381.9	\$303.6
Grants	615.6	472.3	143.3
Cooperative Agreements	443.6	290.3	153.3
Space Act Agreements	<u>14.4</u>	<u>0.0</u>	<u>14.4</u>
Total	\$1,759.1	\$1,144.5	\$614.6

*Excludes JPL.

In addition to the \$615.6 million in grant awards to educational and nonprofit firms, NASA also awarded \$13.1 million in grants to business firms and \$1.5 million to foreign firms bringing the total grant awards to \$630.2 million. Agreements (both Space Act and Cooperative) increased to \$482 million when awards to business firms of \$20.5 million and awards to foreign firms of \$3.3 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 2004 are shown on Pages 26-29.

The awards to these institutions accounted for 93 percent of the total awards to educational and nonprofit institutions during the period. Sixty-nine of the top 100 were educational institutions; 31 were nonprofit organizations.

*Excludes JPL.

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2004
(N=Nonprofit Institution)

<u>INSTITUTION</u>	<u>AWARDS</u>	
<u>TOTAL AWARDS TO EDUCATIONAL & NONPROFIT INSTITUTIONS</u>	<u>(THOUSANDS)</u>	<u>(PERCENT)</u>
	\$1,796,291	100.00
1. JOHNS HOPKINS UNIVERSITY	162,466	9.04
2. STANFORD UNIVERSITY	95,312	5.31
3. UNIVERSITIES SPACE RESEARCH	(N) 84,920	4.73
4. ASSN UNIV RESEARCH & ASTRONOMY	(N) 83,095	4.63
5. SMITHSONIAN INSTITUTION	(N) 71,739	3.99
6. UNIVERSITY OF COLORADO BOULDER	49,873	2.78
7. UNIVERSITY OF CALIFORNIA BERKELEY	48,674	2.71
8. SOUTHWEST RESEARCH INSTITUTE	(N) 36,144	2.01
9. UNIVERSITY OF ARIZONA	33,197	1.85
10. BAYLOR COLLEGE OF MEDICINE	30,092	1.68
11. UNIVERSITY OF MARYLAND COLLEGE PARK	29,427	1.64
12. NATIONAL INSTITUTE AEROSPACE ASSOC.	(N) 23,526	1.31
13. NATIONAL ACADEMY OF SCIENCES	(N) 22,777	1.27
14. MASSACHUSETTS INSTITUTE OF TECHNOLOGY	22,330	1.24
15. UNIVERSITY OF CALIFORNIA SANTA CRUZ	21,919	1.22
16. INSTITUTE OF SCIENTIFIC RESEARCH INC.	(N) 21,865	1.22
17. NEW MEXICO STATE UNIV LAS CRUCES	20,524	1.14
18. UNIVERSITY MARYLAND BALTIMORE CNTY	18,908	1.05
19. CALIFORNIA INSTITUTE OF TECHNOLOGY	17,961	1.00
20. UNIVERSITY OF ALABAMA HUNTSVILLE	16,110	0.90
21. OHIO AEROSPACE INSTITUTE	(N) 14,928	0.83
22. UTAH STATE UNIVERSITY	14,916	0.83
23. UNIVERSITY OF CALIFORNIA LOS ANGELES	14,208	0.79
24. SAN JOSE STATE UNIVERSITY	14,123	0.79
25. NATIONAL CONSORTIUM AVIATION MOBILITY	(N) 13,737	0.76
26. UNIVERSITY OF MICHIGAN ANN ARBOR	13,726	0.76
27. COLUMBIA UNIVERSITY	13,720	0.76
28. PENNSYLVANIA STATE UNIVERSITY UP	13,355	0.74
29. BATTELLE MEMORIAL INSTITUTE	(N) 13,242	0.74
30. UNIVERSITY OF HAWAII	12,728	0.71
31. UNIVERSITY OF NEW HAMPSHIRE	12,181	0.68

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2004
(N=Nonprofit Institution)

<u>INSTITUTION</u>		<u>AWARDS</u>	
		<u>(THOUSANDS)</u>	<u>(PERCENT)</u>
32. TEXAS A&M UNIVERSITY		11,913	0.66
33. UNIVERSITY CORP ATMOSPHERIC RESRCH	(N)	11,250	0.63
34. CARNEGIE MELLON UNIVERSITY		10,481	0.58
35. UNIVERSITY OF WISCONSIN MADISON		10,465	0.58
36. AEROSPACE CORPORATION	(N)	10,342	0.58
37. UNIVERSITY OF TEXAS AUSTIN		10,289	0.57
38. WHEELING JESUIT UNIVERSITY		9,702	0.54
39. UNIVERSITY OF CALIFORNIA SAN DIEGO		9,637	0.54
40. UNITED NEGRO COLLEGE FUND	(N)	9,543	0.53
41. CHARLES STARK DRAPER LABS	(N)	9,222	0.51
42. S E T I INSTITUTE	(N)	9,199	0.51
43. UNIVERSITY OF FLORIDA		8,874	0.49
44. GEORGIA TECH RESEARCH CORP.	(N)	8,772	0.49
45. UNIVERSITY OF WASHINGTON		8,760	0.49
46. COLORADO STATE UNIVERSITY		8,463	0.47
47. HARVARD UNIVERSITY		8,059	0.45
48. OKLAHOMA STATE UNIVERSITY		7,513	0.42
49. CALIFORNIA ASSN RESEARCH ASTRONOMY	(N)	7,108	0.40
50. GEORGE MASON UNIVERSITY		7,037	0.39
51. UNIVERSITY OF MISSISSIPPI UNIVERSITY		6,977	0.39
52. PRINCETON UNIVERSITY		6,974	0.39
53. UNIVERSITY OF ALABAMA BIRMINGHAM		6,949	0.39
54. CARNEGIE INSTITUTION OF WASHINGTON	(N)	6,890	0.38
55. UNIVERSITY OF CENTRAL FLORIDA		6,581	0.37
56. RESEARCH TRIANGLE INSTITUTE	(N)	6,169	0.34
57. OREGON STATE UNIVERSITY		6,143	0.34
58. UNIVERSITY MINNESOTA MINNPL ST PAUL		5,972	0.33
59. CORNELL UNIVERSITY		5,591	0.31
60. PURDUE UNIVERSITY		5,580	0.31
61. UNIVERSITY CALIFORNIA SANTA BARBARA		5,301	0.30
62. UNIVERSITY OF CALIFORNIA IRVINE		5,235	0.29
63. MISSISSIPPI STATE UNIVERSITY		5,212	0.29
64. UNIVERSITY OF TOLEDO		5,183	0.29

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2004
(N=Nonprofit Institution)

<u>INSTITUTION</u>	<u>AWARDS</u>	
	<u>(THOUSANDS)</u>	<u>(PERCENT)</u>
65. CLEVELAND STATE UNIVERSITY	5,058	0.28
66. CASE WESTERN RESERVE UNIVERSITY	4,993	0.28
67. WEST VIRGINIA UNIVERSITY RES CORP. (N)	4,970	0.28
68. MELWOOD HORTICULTURE TRAINING CTR (N)	4,929	0.27
69. COLORADO SCHOOL OF MINES	4,818	0.27
70. LOGISTICS MANAGEMENT INSTITUTE (N)	4,760	0.26
71. CAPITOL COLLEGE	4,749	0.26
72. WASHINGTON UNIVERSITY ST. LOUIS	4,703	0.26
73. STATE UNIV NEW YORK BUFFALO RES FND (N)	4,630	0.26
74. UNIVERSITY OF IOWA	4,554	0.25
75. UNIVERSITY OF SOUTHERN CALIFORNIA	4,468	0.25
76. ROTORCRAFT INDUSTRY TECH ASSOC. (N)	4,443	0.25
77. IOWA STATE UNIVERSITY	4,315	0.24
78. AUBURN UNIVERSITY AUBURN	4,311	0.24
79. UNIVERSITY OF ILLINOIS URBANA	4,180	0.23
80. BAY AREA ENVIRONMENTAL RES INSTIT (N)	4,177	0.23
81. UNIVERSITY OF MIAMI	4,163	0.23
82. GEORGIA TECH APPLIED RESEARCH CORP. (N)	4,145	0.23
83. BOSTON UNIVERSITY	4,018	0.22
84. OLD DOMINION UNIV RESEARCH FNDRN (N)	3,929	0.22
85. MONTANA STATE UNIVERSITY	3,878	0.22
86. ARIZONA STATE UNIVERSITY	3,858	0.21
87. UNIVERSITY OF VIRGINIA	3,763	0.21
88. NATIONAL SPACE GRANT FOUNDATION (N)	3,760	0.21
89. AMERICAN MUSEUM NATURAL HISTORY (N)	3,760	0.21
90. TENNESSEE STATE UNIVERSITY	3,680	0.20
91. UNIVERSITY OF HAWAII HILO	3,564	0.20
92. WICHITA STATE UNIVERSITY	3,550	0.20
93. INSTITUTE TECHNOLOGY DEVELOPMENT (N)	3,536	0.20
94. CATHOLIC UNIVERSITY	3,535	0.20
95. MICHIGAN STATE UNIVERSITY	3,455	0.19
96. CITY OF HAMPTON (N)	3,389	0.19
97. GEORGIA INSTITUTE OF TECHNOLOGY	3,376	0.19
98. UNIVERSITY OF IDAHO	3,350	0.19

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS (Excluding JPL)
 LISTED ACCORDING TO TOTAL AWARDS RECEIVED
 FISCAL YEAR 2004
 (N=Nonprofit Institution)

<u>INSTITUTION</u>	<u>AWARDS</u>	
	<u>(THOUSANDS)</u>	<u>(PERCENT)</u>
99. NORFOLK STATE UNIVERSITY	3,331	0.19
100. NORTHWESTERN UNIVERSITY EVANSTON	3,312	0.18
**OTHER	325,772	18.14

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

VII. AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During Fiscal Year 2004, \$634.3 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 2004</u>			
	<u>AGENCY</u>	<u>MILLIONS</u>	<u>% OF TOTAL</u>
<u>TOTAL</u>		<u>\$ 634.3</u>	<u>100.0</u>
		<u>\$ 634.3</u>	<u>100.0</u>
	Air Force	126.3	19.9
	Navy	63.1	9.9
	Energy Department	139.9	22.1
	Army	72.0	11.3
	Commerce Department	18.9	3.0
	National Science Foundation	15.3	2.4
	Interior Department	18.5	2.9
	Defense Department	74.5	11.8
	Justice Department	1.3	0.2
	Other Government Agencies	104.5	16.5

VIII. U.S. GEOGRAPHICAL DISTRIBUTION OF AWARDS

In Fiscal Year 2004, 50 states and the District of Columbia participated in NASA's direct awards. These awards were distributed among 12,119 contracts and went to 3,422 different organizations in 1701 different cities. Of the 3,422 organizations, 2,613 are business firms located in 841 cities in 46 states and the District of Columbia; 809 are educational and nonprofit institutions located in 415 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 2004

STATE	TOTAL (THOUSANDS)	BUSINESS (THOUSANDS)	EDUCATIONAL & NONPROFIT (THOUSANDS)
TOTAL	\$10,837,475	\$9,041,764	\$1,795,711
ALABAMA	599,719	556,016	43,703
ALASKA	7,096	8	7,088
ARIZONA	96,228	77,447	18,781
ARKANSAS	2,014	103	1,911
CALIFORNIA	1,559,408	1,159,551	399,857
COLORADO	217,771	140,417	77,354
CONNECTICUT	129,653	120,870	8,783
DELAWARE	4,120	1,748	2,372
DIST COLUMBIA	107,528	61,283	46,245
FLORIDA	840,493	810,349	30,144
GEORGIA	30,348	7,225	26,123
HAWAII	22,567	338	22,229
IDAHO	4,267	753	3,514
ILLINOIS	23,720	6,433	17,287
INDIANA	43,042	36,036	7,006
IOWA	11,420	1,944	9,476
KANSAS	6,681	338	6,343
KENTUCKY	3,165	286	2,879
LOUISIANA	318,561	312,600	5,961
MAINE	5,490	35	5,455
MARYLAND	1,331,638	992,867	338,771
MASSACHUSETTS	184,952	60,734	124,218
MICHIGAN	23,938	6,007	17,931
MINNESOTA	13,407	7,087	6,320
MISSISSIPPI	152,625	133,392	19,233
MISSOURI	15,243	5,806	9,437
MONTANA	8,941	1,096	7,845
NEBRASKA	2,608	351	2,257
NEVADA	5,913	3,822	2,091
NEW HAMPSHIRE	30,375	14,707	15,668
NEW JERSEY	72,431	59,146	13,285
NEW MEXICO	94,943	70,650	24,293
NEW YORK	63,548	18,592	44,956
NORTH CAROLINA	29,603	14,817	14,786
NORTH DAKOTA	2,238	20	2,218
OHIO	209,921	160,659	49,262
OKLAHOMA	11,720	1,790	9,930
OREGON	12,502	3,608	8,894
PENNSYLVANIA	50,094	23,681	26,413
RHODE ISLAND	5,986	634	5,352
SOUTH CAROLINA	6,188	1,211	4,977
SOUTH DAKOTA	2,384	232	2,152
TENNESSEE	25,898	16,827	9,071
TEXAS	3,329,891	3,214,313	115,578
UTAH	355,136	337,045	18,091
VERMONT	1,814	734	1,080
VIRGINIA	638,693	542,585	96,108
WASHINGTON	38,741	29,221	9,520
WEST VIRGINIA	58,336	18,382	39,954
WISCONSIN	19,545	7,745	11,800
WYOMING	1,932	223	1,709

NOTE: Excludes awards placed through other Government agencies, awards outside the U.S. and actions on the JPL contracts.

U.S. GEOGRAPHICAL DISTRIBUTION
OF NASA PRIME CONTRACT AWARDS
Fiscal Year 2004

GRAND TOTAL 10,837,475

Region & State	Total	Region & State	Total
<hr/>		<hr/>	
NEW ENGLAND	358,270	PLAINS	53,981
<hr/>		<hr/>	
Maine	5,490	North Dakota	2,238
Vermont	1,814	South Dakota	2,384
Rhode Island	5,986	Nebraska	2,608
Massachusetts	184,952	Kansas	6,681
Connecticut	129,653	Minnesota	13,407
New Hampshire	30,375	Iowa	11,420
		Missouri	15,243
MIDEAST	1,629,359	SOUTHWEST	3,532,782
<hr/>		<hr/>	
Maryland	1,331,638	Arizona	96,228
New Jersey	72,431	New Mexico	94,943
New York	63,548	Oklahoma	11,720
Pennsylvania	50,094	Texas	3,329,891
Delaware	4,120		
Dist Columbia	107,528		
SOUTHEAST	2,708,643	ROCKY MOUNTAIN	588,047
<hr/>		<hr/>	
Alabama	599,719	Colorado	217,771
Arkansas	2,014	Utah	355,136
Florida	840,493	Idaho	4,267
Georgia	33,348	Montana	8,941
Louisiana	318,561	Wyoming	1,932
Mississippi	152,625	FAR WEST	1,616,564
North Carolina	29,603	<hr/>	
Tennessee	25,898	Washington	38,741
Virginia	638,693	California	1,559,408
West Virginia	58,336	Oregon	12,502
Kentucky	3,165	Nevada	5,913
South Carolina	6,188		
GREAT LAKES	320,166	ALASKA & HAWAII	29,663
<hr/>		<hr/>	
Illinois	23,720	Alaska	7,096
Indiana	43,042	Hawaii	22,567
Michigan	23,938		
Ohio	209,921		
Wisconsin	19,545		

IX. AWARDS PLACED OUTSIDE THE UNITED STATES

During Fiscal Year 2004, NASA placed \$92.6 million in awards that are being performed outside the United States.

As indicated in the following tabulation, \$91.4 million represented NASA awards and \$1.2 million constituted awards placed through other Government agencies. The awards are being performed in twenty-three countries and three U.S. territories.

<u>Place of Performance</u>	<u>(Thousands)</u>
<u>Total</u>	<u>\$92,675</u>
<u>Direct NASA Awards</u>	<u>\$91,438</u>
Australia	16,957
Austria	10
Belgium	9
Canada	43,402
Chile	-26
Denmark	15
France	1,000
Germany	858
Hungary	22
India	6
Ireland	19
Israel	173
Italy	2,006
Japan	603
Netherlands	1,688
New Zealand	-34
Norway	465
Peru	25
Puerto Rico	4,570
Russia	481
Spain	17,893
Sweden	-56
Switzerland	155
United Kingdom	1,047
Virgin Islands	150
<u>Awards Place Through Other Government Agencies</u>	<u>\$1,237</u>
Costa Rica	43
Guam	1,040
Puerto Rico	154

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 2004, these offices accounted for 99 percent of the total procurement dollars.

<u>INSTALLATION</u>	AWARD (MILLIONS)	PERCENT
TOTAL	<u>\$13,472.4</u>	<u>100.0</u>
Johnson Space Center	3,574.3	26.5
Goddard Space Flight Center	2,571.9	19.1
Marshall Space Flight Center	2,040.2	15.1
NASA Management Office/JPL	1,963.7	14.6
Kennedy Space Center	881.1	6.5
Ames Research Center	679.7	5.1
Langley Research Center	527.7	3.9
Glenn Research Center	512.1	3.8
Headquarters	389.9	2.9
Stennis Space Center	189.1	1.4
Dryden Flight Research Center	142.7	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. 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, 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.

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>									
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.

APPENDIX I

DISTRIBUTION OF DIRECT NASA PROCUREMENTS (Cont'd)

FISCAL YEARS 2000 - 2004

TYPE	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004					
<u>Total</u>	<u>\$12,504.7</u>	<u>\$12,748.1</u>	<u>\$13,302.5</u>	<u>\$13,273.7</u>	<u>\$13,472.4</u>					
Business Firms	9,272.8	9,209.7	9,568.9	9,510.4	9,025.6					
Educational	995.1	1,083.9	1,194.0	1,224.6	1,144.5					
Nonprofit	465.8	523.4	582.5	575.5	614.6					
JPL	1,291.3	1,451.7	1,404.1	1,290.4	1,963.7					
Government	382.4	382.0	486.1	601.1	634.1					
Outside U.S.	97.3	97.4	66.9	71.6	89.9					
<u>Total</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>					
Business Firms	74	72	72	69	67					
Educational	8	9	9	13	8					
Nonprofit	4	4	4	5	4					
JPL	10	11	11	8	15					
Government	3	3	3	5	5					
Outside U.S.	1	1	1	0	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 197T	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.

COMPETITION IN NASA AWARDS

FISCAL YEARS 1996 - 2004

TYPE OF ACTION	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	
	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>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>	<u>5,979.0</u>	<u>5,653.5</u>	
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	
<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>	<u>3,857.6</u>	<u>3,426.9</u>	
New Awards	283.5	177.8	182.5	128.2	312.1	140.4	387.3	405.8	159.4	
Modifications	2,377.7	3,638.3	3,460.6	3,197.1	3,200.3	3,342.3	3,471.5	3,451.8	3,267.5	
<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>	<u>556.7</u>	<u>550.4</u>	
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									
<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>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>	<u>57.5</u>	<u>58.7</u>	
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	
<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>	<u>37.1</u>	<u>35.5</u>	
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	
<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>	<u>5.4</u>	<u>5.7</u>	
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	

* Less than .05 percent.

APPENDIX IIA

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 - 2004

(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	FY 2003	FY 2004						
<u>TOTAL BUSINESS</u>	<u>\$9,209.7</u>	<u>\$9,568.9</u>	<u>\$9,510.4</u>	<u>\$9,025.6</u>						
<u>SMALL BUSINESS</u>	<u>1,609.9</u>	<u>1,680.0</u>	<u>1,600.1</u>	<u>1,755.5</u>						
% OF TOTAL	17.5	17.6	16.8	19.5						
<u>SET-ASIDES</u>	<u>568.1</u>	<u>582.4</u>	<u>477.9</u>	<u>552.1</u>						
% OF TOTAL	6.2	6.1	5.0	6.1						
% OF SMALL	35.3	34.6	29.8	31.4						
<u>TOTAL BUSINESS</u>										
<u>SMALL BUSINESS</u>										
% OF TOTAL										
<u>SET-ASIDES</u>										
% OF TOTAL										
% OF SMALL										