National Aeronautics and
Space Administration

ANNUAL PROCUREMENT REPORT

Fiscal Year 2015

Photo: Pluto from New Horizons
Image credit: NASA/Johns Hopkins University Applied Physics Laboratory/Southwest Research Institute

INTRODUCTION

This report presents summary data on all NASA procurement actions and detailed information on contracts, grants, cooperative agreements and other procurements awarded by NASA during Fiscal Year 2015 using appropriated funds. All data was pulled from the Federal Procurement Data System (FPDS)* with the exception of awards made through other Government agencies, which was obtained from NASA's financial system.

"Procurement action," as used in this report, means a contractual action to obtain supplies, services or construction that increases or decreases funds. A procurement action, thus, may be a new procurement or a modification such as a supplemental agreement, change order or termination to an existing contract that changes the total amount of funds obligated. An obligation is a contractual commitment to pay for supplies or services that are specified in the contract. (See Glossary for more information.)

The Annual Procurement Report is available via the internet on the Procurement homepage. The address is http://www.hq.nasa.gov/office/procurement/. The report was prepared by the Analysis Division, Office of Procurement, NASA Headquarters. Inquiries should be addressed in writing to:

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

*Data as of November 2015

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I. TOTAL PROCUREMENTS

Fiscal Year 2015 – NASA's procurements totaled $17,191.5 million. The number of procurement actions totaled 40,710.

TRENDS IN
PROCUREMENT OBLIGATIONS VS. TOTAL NASA OBLIGATIONS*
FISCAL YEARS 2011-2015
(MILLIONS OF DOLLARS)

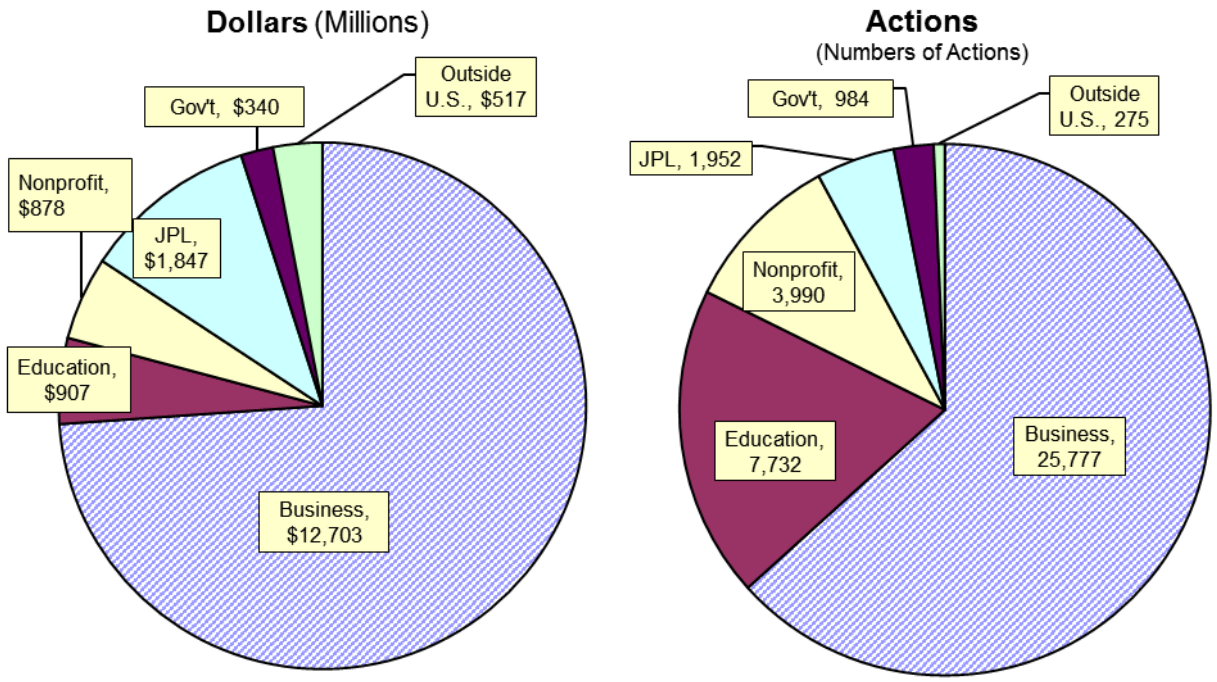
Fiscal Year	Total NASA Obligations	Procurement Obligations Amount	Procurement Obligations % of Total Obligations
2015	$21,070.5	$17,191.5	81.6%
2014	$20,353.2	$16,004.1	78.6%
2013	$19,711.5	$15,571.8	79.0%
2012	$20,685.5	$16,570.4	80.1%
2011	$20,639.3	$16,699.4	80.9%

*Total NASA obligations include salaries, benefits, and travel of NASA employees, as well as 110,462 purchase card transactions in the amount of $65.6 million. Procurement obligations exclude Funded Space Act Agreements which are done outside of the procurement office.

II. AWARDS BY TYPE OF CONTRACTOR

Fiscal Year 2015 – 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 2015



Category	Value ($ millions)	Percent of Total	Actions (Number of)	Percent of Total
Business Firms	$12,703.0	73.9%	25,777	63.3%
Educational Institutions	$906.5	5.3%	7,732	19.0%
Nonprofit Organizations	$878.0	5.1%	3,990	9.8%
JPL	$1,847.2	10.7%	1,952	4.8%
Gov't Agencies	$339.8	2.0%	984	1.0%
Outside U.S.	$517.0	3.0%	275	0.7%
Total:	$17,191.5	100.0%	40,710	100.0%

Figure 1

TRENDS IN AWARDS BY TYPE OF CONTRACTOR
FISCAL YEARS 2011-2015

PROCUREMENT DOLLARS (IN MILLIONS)

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
BUSINESS FIRMS	$12,530	$11,908	$11,431	$12,086	$12,703
EDUCATIONAL	941	1,101	968	1,024	906
NONPROFIT	602	1,140	644	661	878
JPL	1,605	1,240	1,708	1,708	1,847
GOV'T AGENCIES	526	513	473	161	340
OUTSIDE U.S.	496	670	347	364	517
TOTAL	$16,699	$16,570	$15,571	$16,004	$17,191

PERCENT OF TOTAL DOLLARS

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
BUSINESS FIRMS	75.0%	71.9%	73.4%	75.5%	73.9%
EDUCATIONAL	5.6%	6.6%	6.2%	6.4%	5.3%
NONPROFIT	3.6%	6.9%	4.1%	4.1%	5.1%
JPL	9.6%	7.5%	11.0%	10.7%	10.7%
GOV'T AGENCIES	3.2%	3.1%	3.1%	1.0%	2.0%
OUTSIDE U.S.	3.0%	4.0%	2.2%	2.3%	3.0%
TOTAL	100%	100%	100%	100%	100%

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

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 justification is required to award a procurement on an other than full and open competition basis.

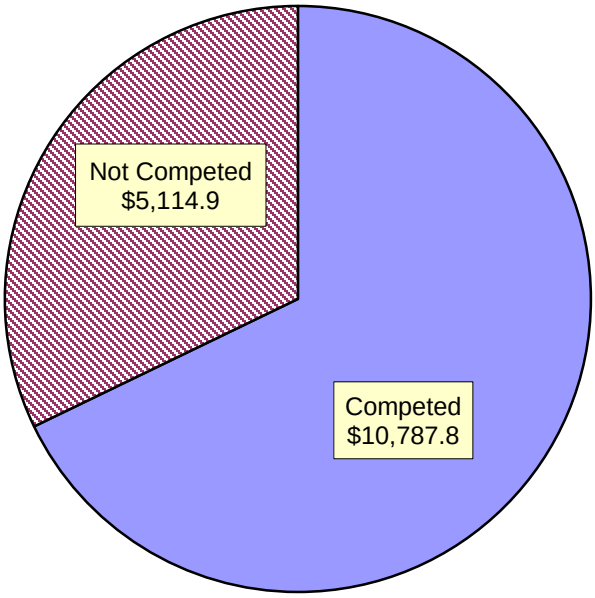
B. Reporting of Competition

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

C. Competition During Fiscal Year 2015

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

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEAR 2015



Total Competition	**Value** (Millions)	**Percent** of Total
Competed	$ 10,787.8	67.8%
Not Competed*	5,114.9	32.2%
Follow-on	**	**
Total:	**$ 15,902.8**	100%

*Not Competed includes dollars for awards where only one responsible source is available, as well as for unusual or compelling urgency, industrial mobilization, international agreement, authorized or required by statute, national security, public interest, awards not available for competition, and follow-on awards. This data is pulled from the standard FPDS Competition Report.

Figure 2

Shown below are trends in the extent of competition in awards to business firms for Fiscal Years 2011-2015. Beginning in FY 2005, data was pulled from FPDS and was not available at the same level of detail as previously captured.

TRENDS IN AWARDS BY EXTENT OF COMPETITION
FISCAL YEARS 2011-2015

TYPE OF ACTION	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
			Net Value of Awards (Millions)		
Total	$15,355.8	$15,133.9	$14,210.4	$14,950.3	$ 15,902.8
Competed	$8,806.9	$9,331.4	$9,261.4	$10,066.9	$ 10,787.8
Not Competed	$6,548.9	$5,802.5	$4,949.0	$4,883.4	$ 5,114.9
Follow-On	**	**	**	**	**
			Percent of Total		
Total	100	100	100	100	100
Competed	57.4	61.7	65.2	67.3	67.8
Not Competed	42.6	38.3	34.8	32.7	32.2
Follow-On	**	**	**	**	**

**Beginning in FY 2011, Follow-On actions are included in Not Competed.

IV. AWARDS TO BUSINESS FIRMS

A. Awards by Contract Type

Fiscal Year 2015 – The table below depicts the trends in awards to business firms by contract type. Figure 3, on the following page, categorizes Fiscal Year 2015 awards of new contracts and modifications to existing contracts. The large (but decreasing) percentage of procurements that have award fee provisions resulted from major procurements for the Space Station and the Space Launch Systems. For the first time in 10 years the percentage of Award Fee contract dollars has fallen below 50 percent of the total dollars to business firms.

TRENDS IN AWARDS TO BUSINESS FIRMS BY CONTRACT TYPE*
FISCAL YEARS 2011 - 2015

PROCUREMENT DOLLARS (IN MILLIONS)

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Firm Fixed Price	$3,074	$3,357	$3,067	$3,827	$4,489
Incentive Fee	710	637	605	353	369
Award Fee	9,552	7,151	6,532	6,558	6,464
Cost Plus Fixed Fee	915	1,098	1,335	1,526	1,695
Other	374	329	220	179	183
TOTAL BUSINESS	$14,625	$12,572	$11,759	$12,443	$13,201

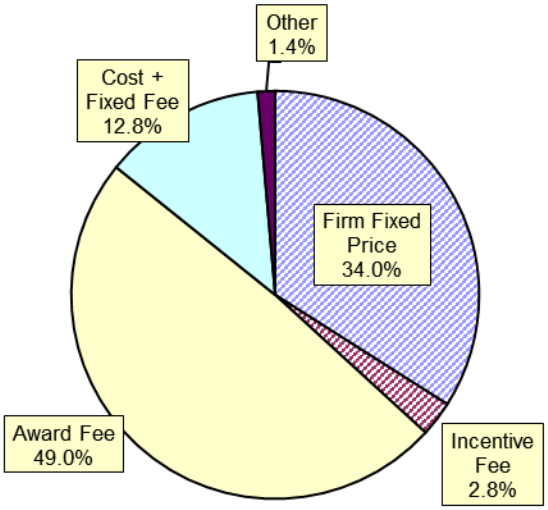
PERCENT OF TOTAL DOLLARS

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Firm Fixed Price	20%	27%	26%	31%	34%
Incentive Fee	6%	5%	5%	3%	3%
Award Fee	66%	57%	56%	53%	49%
Cost Plus Fixed Fee	5%	9%	11%	12%	13%
Other	3%	2%	2%	1%	1%
TOTAL BUSINESS	100%	100%	100%	100%	100%

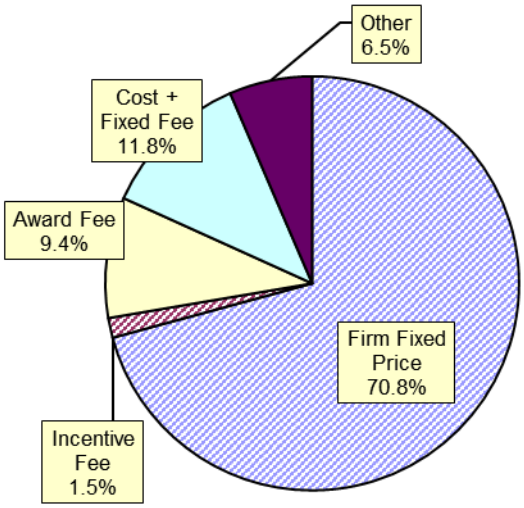
*Includes contract awards with place of performance outside the US. Excludes Funded Space Act Agreements and Intragovernmental Awards.

AWARDS BY CONTRACT TYPES TO BUSINESS FIRMS
FISCAL YEAR 2015

Dollars (Millions)



Actions (Number of)



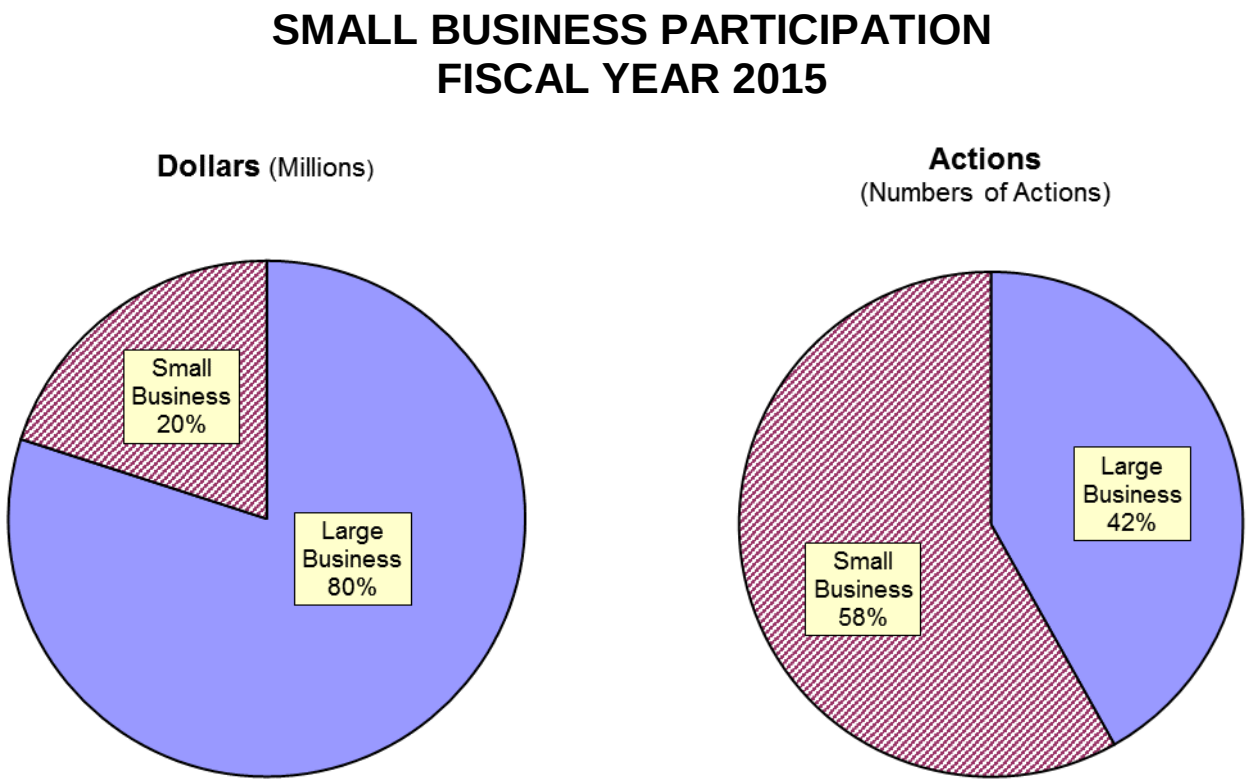
Category	Amount (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Firm Fixed Price	$4,478.2	33.9%	18,394	70.7%
FFP Level of Effort	11.3	0.1%	15	0.1%
Subtotal FFP	$4,489.5	34.0%	18,409	70.8%
Incentive Fee:				
Fixed Price Incentive Fee	49.7	0.4%	45	0.1%
Cost Plus Incentive Fee	319.3	2.4%	356	1.4%
Subtotal Incentive Fee	$369.1	2.8%	401	1.5%
Cost Plus Award Fee	6431.3	48.7%	2,385	9.2%
Fixed Price Award Fee	33	0.3%	69	0.3%
Subtotal Award Fee	$6,464.3	49.0%	2,454	9.4%
Cost Plus Fixed Fee	$1,695.2	12.8%	3,059	11.8%
Other:				
Fixed Price Redetermination	-	0.0%	-	0.0%
Economic Price Adj.	9.7	0.1%	169	0.6%
Cost No Fee	18.4	0.2%	19	0.1%
Cost Sharing	24.7	0.2%	34	0.1%
Labor Hour	3	0.0%	57	0.2%
Time & Material	51.3	0.4%	622	2.4%
Order Dependent	6.5	0.0%	92	0.4%
Combination	8.7	0.1%	38	0.1%
Other	17.8	0.1%	119	0.5%
Blank*	42.9	0.3%	537	2.1%
Subtotal Other:	$183	1.4%	1,687	6.5%
Total	$13,201	100.0%	26,010	100%

*Contract type not required on BPA Calls, Grants or Cooperative Agreements

Figure 3

B. Small Business Participation

Total Small Business – During Fiscal Year 2015, NASA awards to small business firms totaled $2,541.3 million (see Figure 4). The number of actions going to small business represents 58.1 percent of all business actions and 20 percent of all business dollars. In addition, the $2,541.3 million includes $640 million in new awards. Coincidentally, new awards to small business firms also represented 58.1 percent of NASA's total new contract awards of $1,101 million to all business firms during Fiscal Year 2015.



Category		Amount (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Large Business	$	10161.8	80.0%	10,791	41.9%
Small Business		2541.3 *	20.0%	14,986	58.1%
Total:	$	12,703.0	100.0%	25,777	100.0%

*Includes $551.4 million awarded to small disadvantaged firms under Authority of Section 8(a) of the Small Business Act. Also includes $155.2 million awarded through Small Business Innovation Research and Small Business Technology Programs. Excludes awards with Place of Performance outside the United States.

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 2015, these set-asides amounted to $1,232.1 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 2015, 8(a) awards totaled $551.4 million.

(3) **Small Business Innovation Research (SBIR)** – The Small Business Innovation Development Act requires that Federal agencies, whose extramural (research done outside the agency) budgets for research or research and development exceeded $100 million, establish a Small Business Innovation Research Program. During Fiscal Year 2015, NASA awarded 474 new SBIR contracts totaling $149.8 million. Of this amount, 341 were Phase I awards totaling $43.2 million and 133 were Phase II awards totaling $106.6 million. Also in Fiscal Year 2015, NASA funded on-going Phase I and II contracts totaling $5.4 million. Included in the total SBIR awards of $155.2 million, 74 actions, or $10.6 million, were to small disadvantaged business firms, and 94 actions, or $12.1 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 2015, NASA awarded 60 new STTR contracts totaling $18.7 million. Of this amount, 42 were Phase I awards totaling $5.2 million, and 18 were Phase II awards totaling $13.5 million. Also in Fiscal Year 2015, NASA funded on-going Phase I and II STTR contracts totaling $249 thousand. Included in the total STTR awards of $19 million are 11 contracts for $2 million to small disadvantaged business firms, and 14 contracts amounting to $1.4 million to women-owned firms.

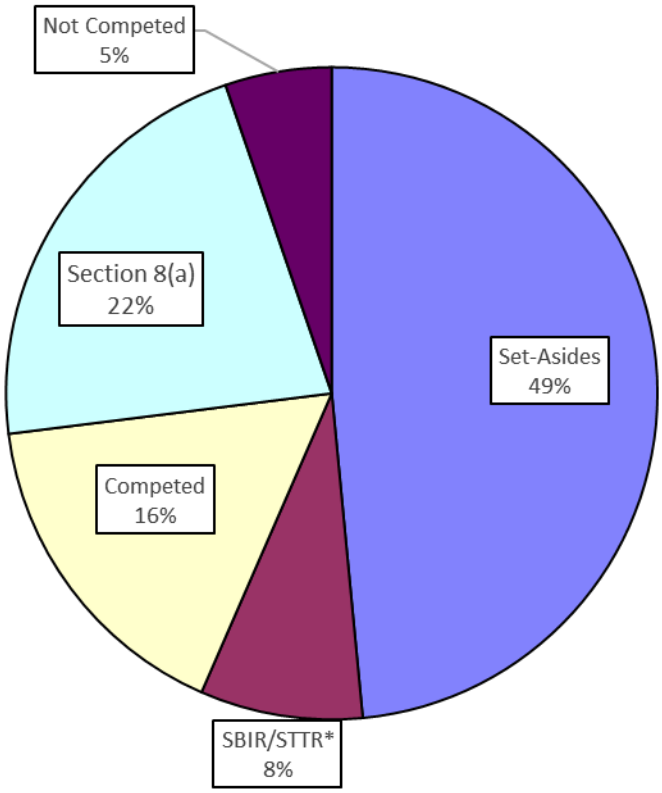
(5) **Women-Owned Small Business Participation** – In accordance with Executive Order 12138, Women's Business Enterprise, NASA extends a particular effort to ensure that business firms owned and controlled by women have an equitable opportunity to participate in NASA's procurement program. In Fiscal Year 2015, Women-Owned Small Business firms received prime contract awards totaling $484 million. Of this amount, $193.3 million was awarded to Women-Owned Small Disadvantaged Businesses.

(6) **HUBZone Small Business Awards** – NASA awarded $96.9 million to HUBZone Small Business concerns in Fiscal Year 2015.

(7) **Veteran-Owned Small Business Awards** – In Fiscal Year 2015, NASA awarded $274.2 million to Veteran Owned Small Businesses. Of this amount, $103 million was awarded to Service Disabled Veteran Owned Small Businesses.

C. Extent of Competition in Small Business Awards

COMPETITION TO SMALL BUSINESS FIRMS
FISCAL YEAR 2015



Category	Amount (Millions)	Percent of Total
Set-Asides	$1,232.1	48.5%
SBIR/STTR*	205.1	8.0%
Competed	418.4	16.5%
Section 8(a)	551.4	21.7%
Not Competed	134.3	5.3%
Total	$2,541.3	100.0%

*Includes Phase III SBIR/STTR obligations ($30.9 million).

Figure 5

D. Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during Fiscal Year 2015 totaled $1,229.4 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.

TRENDS IN SMALL AND SMALL DISADVANTAGED
BUSINESS AWARDS
FISCAL YEARS 2011 – 2015

(MILLIONS OF DOLLARS)

TYPE OF AWARD	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Section 8(a)	$462.4	$522.3	$545.9	$548.0	$551.4
Other Small Disadv. Business	397.3	236.9	372.4	605.2	678.0
Total	$859.7	$759.2	$918.3	$1,153.2	$1,229.4

Appendix III shows NASA awards to small business firms starting with Fiscal Year 1961.

E. One Hundred Principal Contractors (Business Firms)

The 100 contractors that received the largest dollar value of NASA direct awards to business firms during Fiscal Year 2015 are shown below. The awards to these contractors accounted for 90.2% percent of the direct awards to business firms during the year. With the exception of item 100, the smallest aggregate award to any contractor was in excess of $10 million. Of the top 100 contractors, 44 were small business firms and of these 26 were disadvantaged firms at the time of award.

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2015
(S=Small Business/D=Disadvantaged Business)

	TOTAL AWARDS TO BUSINESS FIRMS			$13,201,079,335	100%
1.	BOEING CO			$1,986,595,515	15.05
2.	LOCKHEED MARTIN CORP			$1,549,149,933	11.74
3.	JACOBS TECHNOLOGY			$685,689,697	5.19
4.	SPACE EXPLORATION TECHNOLOGIES CORP			$641,861,752	4.86
5.	ORBITAL SCIENCES CORP			$512,019,873	3.88
6.	RUSSIA SPACE AGENCY			$459,872,919	3.48
7.	SGT			$431,126,415	3.27
8.	UNITED LAUNCH SERVICES			$376,642,360	2.85
9.	EXELIS			$349,422,379	2.65
10.	RAYTHEON CO			$328,802,824	2.49
11.	NORTHROP GRUMMAN SPACE & MISSION SYSTEMS CORP			$327,310,984	2.48
12.	SCIENCE APPLICATIONS INTERNATIONAL CORP			$264,850,483	2.01
13.	ATK LAUNCH SYSTEMS			$240,679,485	1.82
14.	AEROJET ROCKETDYNE			$193,099,933	1.46
15.	BALL AEROSPACE & TECHNOLOGIES CORP			$176,260,494	1.34
16.	WYLE LABORATORIES			$164,128,472	1.24
17.	AS & D	(S)	(D)	$150,635,751	1.14
18.	HP ENTERPRISE SERVICES			$149,458,237	1.13
19.	QINETIQ NORTH AMERICA			$127,080,009	0.96
20.	GENERAL DYNAMICS C4 SYSTEMS			$116,398,988	0.88
21.	HONEYWELL TECHNOLOGY SOLUTIONS			$98,006,886	0.74
22.	SCIENCE SYSTEMS & APPLICATIONS	(S)		$96,261,047	0.73
23.	COMPUTER SCIENCES CORP			$93,081,039	0.71
24.	INUTEQ	(S)	(D)	$87,922,795	0.67
25.	URS FED TECHNICAL SERVICES			$79,085,786	0.60
26.	HENSEL PHELPS CONSTRUCTION CO			$78,458,281	0.59
27.	MILLENNIUM ENGINEERING & INTEGRATION	(S)	(D)	$76,030,296	0.58
28.	ASRC RESEARCH & TECHNOLOGY SOLUTIONS	(S)	(D)	$70,929,742	0.54
29.	HAMILTON SUNDSTRAND SPACE SYSTEMS INTERNATIONAL			$69,496,481	0.53
30.	SIERRA LOBO	(S)	(D)	$68,104,299	0.52
31.	NORTHROP GRUMMAN SYSTEMS CORP			$66,537,184	0.50

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2015
(S=Small Business/D=Disadvantaged Business)

32.	ANALYTICAL MECHANICS ASSOCIATES	(S)		$65,432,530	0.50
33.	TELEDYNE BROWN ENGINEERING			$64,160,418	0.49
34.	LJT & ASSOCS	(S)	(D)	$60,328,690	0.46
35.	DYNETICS TECHNICAL SERVICES	(S)		$56,077,959	0.42
36.	DB CONSULTING GROUP	(S)	(D)	$54,443,016	0.41
37.	CHENEGA SECURITY & SUPPORT SOLUTIONS	(S)	(D)	$54,087,416	0.41
38.	ABACUS TECHNOLOGY CORP	(S)		$52,783,458	0.40
39.	TRAX INTERNATIONAL CORP			$47,212,740	0.36
40.	PAE APPLIED TECHNOLOGIES			$46,323,441	0.35
41.	COLUMBUS TECHNOLOGIES & SERVICES	(S)	(D)	$46,096,518	0.35
42.	ADNET SYSTEMS	(S)		$45,096,513	0.34
43.	J P DONOVAN CONSTRUCTION	(S)		$44,978,215	0.34
44.	BARRIOS TECHNOLOGY	(S)		$44,275,909	0.34
45.	VANTAGE PARTNERS	(S)		$43,177,888	0.33
46.	AI SOLUTIONS	(S)		$40,464,470	0.31
47.	URS FED SERVICES			$37,298,338	0.28
48.	INFOPRO CORP	(S)	(D)	$34,789,669	0.26
49.	DYNCORP INTERNATIONAL			$34,199,053	0.26
50.	ARES TECHNICAL SVCS CORP	(S)		$32,903,024	0.25
51.	DYNETICS			$30,865,147	0.23
52.	HX5 SIERRA	(S)	(D)	$27,950,347	0.21
53.	CHUGACH FED SOLUTIONS	(S)	(D)	$27,124,030	0.21
54.	TASC			$26,227,119	0.20
55.	COLSA CORP	(S)		$26,025,471	0.20
56.	OCEANEERING INTERNATIONAL			$25,611,600	0.19
57.	MFG TECHNICAL SOLUTIONS	(S)		$25,190,707	0.19
58.	BASTION TECHNOLOGIES	(S)	(D)	$25,016,571	0.19
59.	SMART GLOBAL SOLUTIONS	(S)	(D)	$25,004,291	0.19
60.	L-3 COMMUNICATIONS VERTEX AEROSPACE			$24,802,144	0.19
61.	DIGITAL MANAGEMENT	(S)	(D)	$24,644,057	0.19
62.	BOOZ ALLEN HAMILTON			$24,232,338	0.18
63.	HARRY PEPPER & ASSOCIATES			$23,738,284	0.18
64.	LOCKHEED MARTIN SERVICES			$22,856,718	0.17
65.	ZIN TECHNOLOGIES	(S)		$22,296,542	0.17
66.	PRIMUS SOLUTIONS	(S)	(D)	$21,346,395	0.16
67.	RAYTHEON TECHNICAL SERVICES CO			$21,196,744	0.16
68.	IAP WORLD SERVICES			$20,835,591	0.16
69.	OMITRON	(S)		$19,794,819	0.15
70.	GENESIS ENGINEERING SOLUTIONS			$18,937,904	0.14
71.	COMMONWEALTH SCIENTIFIC & INDUSTRIAL RESEARCH ORGANISATION			$18,405,957	0.14

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED
ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2015
(S=Small Business/D=Disadvantaged Business)

72.	VALADOR			$17,960,233	0.14
73.	INOMEDIC HEALTH APPLICATIONS	(S)	(D)	$17,718,084	0.13
74.	GENTECH PARTNERS	(S)	(D)	$17,635,256	0.13
75.	MILLENNIUM SPACE SYSTEMS	(S)		$16,676,343	0.13
76.	WICHITA TRIBAL ENTERPRISES	(S)	(D)	$16,025,625	0.12
77.	PEERLESS TECHNOLOGIES CORP	(S)	(D)	$14,972,843	0.11
78.	CH2M HILL CONSTRUCTORS			$14,783,625	0.11
79.	POTOMAC ELECTRIC POWER CO			$14,742,176	0.11
80.	AL RAZAQ COMPUTING SERVICES	(S)	(D)	$14,720,979	0.11
81.	CH2M HILL			$14,572,212	0.11
82.	OHIO EDISON CO			$14,053,309	0.11
83.	A WEST ENTERPRISE	(S)	(D)	$13,879,712	0.11
84.	PINNACLE SOLUTIONS	(S)		$13,729,037	0.10
85.	WOLF CREEK FED SERVICES	(S)	(D)	$13,587,423	0.10
86.	HEALTHEON	(S)	(D)	$13,183,837	0.10
87.	L-3 NATIONAL SECURITY SOLUTIONS			$13,076,787	0.10
88.	RJ RUNGE CO	(S)	(D)	$12,188,183	0.09
89.	AECOM TECHNICAL SERVICES			$12,017,793	0.09
90.	PTSI MANAGED SERVICES			$11,593,602	0.09
91.	MAINTHIA TECHNOLOGIES	(S)	(D)	$11,578,487	0.09
92.	FLORIDA POWER & LIGHT CO			$11,294,678	0.09
93.	DELTHA-CRITIQUE			$11,277,244	0.09
94.	NAVARRO RESEARCH & ENGINEERING	(S)		$11,205,457	0.08
95.	VICTORY SOLUTIONS	(S)		$11,116,579	0.08
96.	SECTEK			$10,437,132	0.08
97.	TXU ENERGY RETAIL CO			$10,436,965	0.08
98.	UNITED TECHNOLOGIES CORP			$10,302,010	0.08
99.	S P KOROLEV ROCKET & SPACE PUBLIC CORP ENERGIA			$10,113,332	0.08
100.	VIRGINIA ELECTRIC & POWER CO			$9,914,939	0.08
	OTHER			$1,295,053,071	9.81

V. CONTRACT FOR OPERATION OF THE JET PROPULSION LABORATORY

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

Total awards during Fiscal Year 2015 amounted to $1,847.2 million. Of this amount, JPL awarded $685.3 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 2015, NASA awarded $1,784.5 million to educational and other nonprofit institutions within the United States. Of this amount, $906.5 million was awarded to educational institutions and $878.1 million to other nonprofit organizations. A breakout of these awards between contracts, grants and cooperative agreements is shown below.

AWARDS TO EDUCATIONAL INSTITUTIONS AND NONPROFIT ORGANIZATIONS*

Type of Award	Total (Millions)	Educational Institutions (Millions)	Nonprofit Organizations (Millions)
Contracts	$621.2	$268.8	$352.5
Grants	586.6	473.3	113.3
Cooperative Agreements	318.5	156.4	162.1
Purchas/Delivery Orders	258.3	8.0	250.3
Total	$1,784.5	$906.5	$878.1

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

In addition to the $586.6 million in grant awards to educational and nonprofit firms, NASA also awarded $28.6 million in grants to business firms bringing the total grant awards to $615.6 million. Cooperative Agreements were $333.3 million when awards to business firms of $14.8 million were included.

B. One Hundred Principal Educational & Nonprofit Institutions

The 100 educational and nonprofit institutions that received the largest dollar value of NASA awards during Fiscal Year 2015 are shown below.*

The awards to these institutions accounted for 91.25 percent of the total awards to educational and nonprofit institutions during the period. Of the top 100, 65 were educational institutions; 35 were nonprofit organizations.

*Excludes JPL

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS*
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2015
(NP=Nonprofit Institution)

	TOTAL AWARDS TO EDUCATIONAL & NONPROFIT		$1,803,465,520	100%
1.	JOHNS HOPKINS UNIVERSITY		$214,047,526	11.87
2.	UNIVERSITY OF CALIFORNIA		$160,913,529	8.92
3.	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	NP	$143,755,793	7.97
4.	UNIVERSITIES SPACE RESEARCH ASSOCIATION	NP	$98,499,327	5.46
5.	SMITHSONIAN INSTITUTION	NP	$73,150,924	4.06
6.	UNIVERSITY OF COLORADO		$65,790,275	3.65
7.	SOUTHWEST RESEARCH INSTITUTE	NP	$59,571,903	3.30
8.	UNIVERSITY OF MARYLAND		$57,418,792	3.18
9.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY		$38,933,765	2.16
10.	UNIVERSITY OF ARIZONA		$34,845,294	1.93
11.	AEROSPACE CORP	NP	$33,282,689	1.85
12.	UNIVERSITY OF ALABAMA		$25,543,637	1.42
13.	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	NP	$23,879,586	1.32
14.	UNIVERSITY OF MICHIGAN		$22,101,645	1.23
15.	UNIVERSITY OF HAWAII		$20,564,297	1.14
16.	SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	NP	$20,286,106	1.12
17.	COLUMBIA UNIVERSITY		$20,197,941	1.12
18.	UNIVERSITY OF CENTRAL FLORIDA		$18,021,246	1.00
19.	BAY AREA ENVIRONMENTAL RESEARCH INSTITUTE	NP	$17,322,985	0.96
20.	OAK RIDGE ASSOCIATED UNIVERSITIES	NP	$17,197,338	0.95
21.	ARIZONA STATE UNIVERSITY		$16,934,416	0.94
22.	INSTITUTO NACIONAL DE TECNICA AEROESPACIAL	NP	$16,503,842	0.92
23.	BAYLOR COLLEGE OF MEDICINE		$15,328,340	0.85
24.	UNIVERSITY OF ALASKA		$15,087,061	0.84
25.	UNIVERSITY OF TEXAS		$15,083,096	0.84
26.	CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE	NP	$15,000,000	0.83
27.	STANFORD UNIVERSITY		$14,142,267	0.78
28.	TEXAS A & M UNIVERSITY		$13,351,320	0.74
29.	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	NP	$12,256,938	0.68
30.	UNIVERSITY OF WASHINGTON		$11,664,566	0.65

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS*
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2015
(NP=Nonprofit Institution)

31.	SETI INSTITUTE	NP	$11,363,916	0.63
32.	CALIFORNIA INSTITUTE OF TECHNOLOGY		$11,207,264	0.62
33.	UNIVERSITY OF WISCONSIN		$11,172,931	0.62
34.	NEW MEXICO STATE UNIVERSITY		$10,668,154	0.59
35.	PENNSYLVANIA STATE UNIVERSITY		$10,281,710	0.57
36.	UNIVERSITY OF NEW HAMPSHIRE		$9,556,837	0.53
37.	UNIVERSITY OF ILLINOIS		$8,001,632	0.44
38.	OREGON STATE UNIVERSITY		$7,923,982	0.44
39.	COLORADO STATE UNIVERSITY		$7,700,396	0.43
40.	GEORGIA TECH RESEARCH CORP	NP	$7,657,363	0.42
41.	VIRGINIA COMMERCIAL SPACE FLIGHT AUTHORITY	NP	$7,655,000	0.42
42.	HARVARD COLLEGE		$7,303,185	0.40
43.	CATHOLIC UNIVERSITY OF AMERICA		$7,037,571	0.39
44.	NATIONAL ACADEMY OF SCIENCES	NP	$6,858,957	0.38
45.	WASHINGTON UNIVERSITY		$6,802,975	0.38
46.	PLANETARY SCIENCE INSTITUTE	NP	$6,262,867	0.35
47.	BREVARD ACHIEVEMENT CENTER	NP	$6,202,691	0.34
48.	HAMPTON UNIVERSITY		$6,095,632	0.34
49.	MELWOOD HORTICULTURAL TRAINING CENTER	NP	$6,050,243	0.34
50.	PURDUE UNIVERSITY		$5,489,905	0.30
51.	PRINCETON UNIVERSITY		$5,419,019	0.30
52.	WEST VIRGINIA UNIVERSITY RESEARCH CORP	NP	$5,337,362	0.30
53.	WOODS HOLE OCEANOGRAPHIC INSTITUTION	NP	$5,119,264	0.28
54.	BOSTON UNIVERSITY		$5,062,614	0.28
55.	CORNELL UNIVERSITY		$5,051,546	0.32
56.	UNIVERSITY OF IOWA		$5,016,874	0.28
57.	LOGISTICS MANAGEMENT INSTITUTE	NP	$4,983,203	0.28
58.	CITY OF HAMPTON	NP	$4,946,002	0.27
59.	RESEARCH FOUNDATION STATE UNIVERSITY OF NEW YORK	NP	$4,890,130	0.27
60.	OHIO STATE UNIVERSITY		$4,869,287	0.27
61.	BERMUDA INSTITUTE OF OCEAN SCIENCES	NP	$4,744,565	0.26
62.	UNIVERSITY OF MINNESOTA		$4,683,252	0.26
63.	UNIVERSITY OF MASSACHUSETTS		$4,529,797	0.25
64.	BRIGHAM YOUNG UNIVERSITY		$3,983,581	0.22
65.	BROWN UNIVERSITY		$3,941,860	0.22
66.	SOUTH DAKOTA STATE UNIVERSITY		$3,870,657	0.21
67.	UNIVERSITY OF OKLAHOMA		$3,863,555	0.21
68.	CHARLES STARK DRAPER LABORATORY	NP	$3,857,389	0.21
69.	CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	NP	$3,813,000	0.21
70.	UNIVERSITY OF NEBRASKA		$3,795,893	0.21

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS*
LISTED ACCORDING TO TOTAL AWARDS RECEIVED
FISCAL YEAR 2015
(NP=Nonprofit Institution)

71.	UNIVERSITY OF MONTANA		$3,659,912	0.20
72.	UNIVERSITY OF MIAMI		$3,639,414	0.20
73.	UNIVERSITY OF DELAWARE		$3,379,186	0.19
74.	CARNEGIE INSTITUTION OF WASHINGTON		$3,205,497	0.18
75.	UNIVERSITY OF FLORIDA		$3,153,902	0.17
76.	UNIVERSITY OF CHICAGO		$3,100,116	0.17
77.	DUKE UNIVERSITY		$3,008,084	0.17
78.	SPACE SCIENCE INSTITUTE	NP	$2,993,447	0.17
79.	UNIVERSITY OF SOUTH FLORIDA		$2,991,224	0.17
80.	SRI INTERNATIONAL	NP	$2,969,563	0.16
81.	UNIVERSITY OF SOUTHERN CALIFORNIA		$2,968,090	0.16
82.	UNIVERSITY OF NEW MEXICO		$2,897,386	0.16
83.	CARNEGIE MELLON UNIVERSITY		$2,857,714	0.16
84.	UNIVERSITY OF UTAH		$2,761,812	0.15
85.	WILLIAM MARSH RICE UNIVERSITY		$2,723,203	0.15
86.	UNIVERSITY OF PENNSYLVANIA		$2,705,876	0.15
87.	GEORGE MASON UNIVERSITY		$2,672,249	0.15
88.	AERO INSTITUTE	NP	$2,616,795	0.15
89.	UNIVERSITY OF TEXAS MEDICAL BRANCH GALVESTON		$2,523,791	0.14
90.	UNITED STATES FOUNDATION FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY	NP	$2,451,306	0.14
91.	ANTHONY WAYNE REHABILITATION CENTER FOR HANDICAPPED & BLIND	NP	$2,436,787	0.14
92.	UNIVERSITY OF MISSOURI		$2,402,278	0.13
93.	EMORY UNIVERSITY		$2,343,937	0.13
94.	UNIVERSITY OF NORTH DAKOTA		$2,326,987	0.13
95.	UNIVERSITY OF IDAHO		$2,248,194	0.12
96.	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER		$2,237,374	0.13
97.	RUTGERS STATE UNIVERSITY		$2,224,299	0.12
98.	FLORIDA INSTITUTE FOR HUMAN & MACHINE COGNITION	NP	$2,186,345	0.12
99.	MONTANA STATE UNIVERSITY		$2,161,860	0.12
100.	OLD DOMINION UNIVERSITY RESEARCH FOUNDATION	NP	$2,148,356	0.12
	OTHER*		$157,722,032	8.75

VII. AWARDS BY TYPE OF EFFORT

During Fiscal Year 2015, $16,888.4 million was awarded in categories of research and development, services and supplies and equipment. A breakout of these awards by category is shown below. Not included are intragovernmental awards and purchases less than $3,000.

Category		Total (Millions)	Number of Actions
Total	$	16,888.4	38,648
Research & Development	$	9,509.7	16,384
Space Science & Applications		3,579.1	11,396
Space Flight		1,825.1	264
Aeronautics & Space Technology		1,394.2	2,675
Space Station		544.0	109
Space Operations		408.2	197
Other Space R&D		221.7	148
Commercial Programs		0.1	1
Other R&D		1,537.3	1,594
Services	$	5,810.8	14,672
Professional, Admin. & Mgmt. Support		1,910.5	4,951
Transportation, Travel & Relocation Svc.		1,307.5	314
Information Technology & Telecommunications		904.3	1,966
Utilities & Housekeeping		456.8	991
Special Studies & Analyses-Not R&D		237.8	412
Construction of Structures & Facilities		228.4	816
Operation of Structures/Facilities		219.1	243
Maint., Repair or Alteration Real Property		199.3	611
Architect & Engineering Services		104.3	790
Maint., Repair & Rebuilding of Equipment		70.2	570
Education & Training Services		55.4	1,904
Other Services		117.2	1,104
Supplies & Equipment	$	1,567.9	7,592
Space Vehicles		1,237.1	525
Instruments & Laboratory Equipment		97.4	1,506
Information Technology Equipment (Incld. Firmware), Software, Supplies & Support Equipment		86.6	2,684
Fire Control Equipment		40.5	27
Fuels, Lubricants, Oils & Waxes		20.9	433
Aircraft Components & Accessories		18.7	184
Chemicals & Chemical Products		14.6	146
Communication, Detection & Coherent Radiation Equipment		7.7	232
Electrical & Electronic Equip. Components		7.5	354
Furniture		4.1	173
Other Supplies & Equipment		32.9	1,328

VIII. AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During Fiscal Year 2015, $339.8 million was awarded through other Government agencies. The following table shows the distribution of these awards by agency.

AWARDS THROUGH OTHER GOVERNMENT AGENCIES FISCAL YEAR 2015

Agency	Total (Millions)	Percent of Total
Total	$339.8	100
Army	85	25.0
Navy	47.8	14.1
Department of Defense	42.7	12.6
Energy	38.8	11.4
Air Force	37.4	11.0
General Services Administration	35.2	10.3
Interior	21.9	6.4
National Science Foundation	11.5	3.4
Commerce	9.2	2.7
Health & Human Services	3.2	0.9
Other Government Agencies	7.2	2.1

IX. U.S. GEOGRAPHICAL DISTRIBUTION OF AWARDS

In Fiscal Year 2015, 50 states and the District of Columbia participated in NASA's direct awards. The distribution of awards is also shown by region. (See Page 25).

The categorization of NASA procurements by state is based on the location where the items are to be produced or supplied from stock, where the services will be performed or, with respect to construction contracts, the construction site. This table excludes awards to other Government agencies and awards outside the United States.

US GEOGRAPHICAL DISTRIBUTION OF NASA PRIME CONTRACT AWARDS
FISCAL YEAR 2015

STATE	TOTAL	BUSINESS	EDUCATIONAL & NONPROFIT
TOTAL	$12,973,186,082	$11,222,992,887	$1,750,193,195
ALABAMA	$1,260,741,481	$1,235,311,740	$25,429,742
ALASKA	$13,650,773	$4,903,197	$8,747,576
ARIZONA	$93,608,134	$34,959,563	$58,648,571
ARKANSAS	$2,296,016	$370,297	$1,925,719
CALIFORNIA	$3,530,564,395	$3,226,127,482	$304,436,912
COLORADO	$1,789,358,007	$1,698,087,542	$91,270,465
CONNECTICUT	$30,247,779	$26,067,262	$4,180,517
DELAWARE	$8,294,702	$2,649,390	$5,645,312
DIST COLUMBIA	$92,035,574	$62,599,826	$29,435,748
FLORIDA	$498,686,937	$447,186,889	$51,500,049
GEORGIA	$16,881,571	$4,181,908	$12,699,663
HAWAII	$21,350,214	$951,324	$20,398,890
IDAHO	$3,052,238	$77,371	$2,974,868
ILLINOIS	$21,915,873	$7,581,430	$14,334,443
INDIANA	$158,964,912	$151,983,187	$6,981,725
IOWA	$10,742,477	$4,085,363	$6,657,114
KANSAS	$4,555,318	$557,294	$3,998,024
KENTUCKY	$1,584,607	$189,481	$1,395,127
LOUISIANA	$68,098,884	$64,107,081	$3,991,804
MAINE	$4,324,845	$286,496	$4,038,350
MARYLAND	$1,865,716,615	$1,378,841,932	$486,874,683
MASSACHUSETTS	$183,037,531	$44,067,353	$138,970,178
MICHIGAN	$31,046,636	$5,200,798	$25,845,838
MINNESOTA	$11,282,461	$6,219,868	$5,062,593
MISSISSIPPI	$390,009,282	$386,197,950	$3,811,332
MISSOURI	$13,837,600	$4,766,646	$9,070,954
MONTANA	$8,598,513	$2,246,973	$6,351,540
NEBRASKA	$4,308,874	$512,981	$3,795,893
NEVADA	$7,946,102	$4,997,963	$2,948,139
NEW HAMPSHIRE	$29,843,950	$15,799,390	$14,044,560
NEW JERSEY	$16,803,942	$5,836,607	$10,967,336
NEW MEXICO	$27,727,300	$12,803,005	$14,924,295
NEW YORK	$102,137,660	$58,595,449	$43,542,210
NORTH CAROLINA	$9,167,178	$1,822,759	$7,344,419
NORTH DAKOTA	$2,832,987	$506,000	$2,326,987
OHIO	$224,172,054	$200,867,537	$23,304,517
OKLAHOMA	$8,663,862	$2,446,634	$6,217,228
OREGON	$18,303,732	$8,089,414	$10,214,318
PENNSYLVANIA	$37,421,111	$19,946,283	$17,474,828
RHODE ISLAND	$5,691,710	$1,391,292	$4,300,418
SOUTH CAROLINA	$6,600,187	$1,063,927	$5,536,260
SOUTH DAKOTA	$5,406,200	$208,185	$5,198,015
TENNESSEE	$26,875,611	$7,114,723	$19,760,888
TEXAS	$1,326,951,238	$1,213,126,668	$113,824,570

US GEOGRAPHICAL DISTRIBUTION OF NASA PRIME CONTRACT AWARDS
FISCAL YEAR 2015

STATE	TOTAL	BUSINESS	EDUCATIONAL & NONPROFIT
UTAH	$252,325,315	$243,541,932	$8,783,383
VERMONT	$1,715,807	$343,417	$1,372,390
VIRGINIA	$619,421,757	$555,150,673	$64,271,084
WASHINGTON	$43,465,964	$29,169,512	$14,296,451
WEST VIRGINIA	$36,888,692	$30,754,201	$6,134,490
WISCONSIN	$22,459,461	$8,906,122	$13,553,340
WYOMING	$1,572,013	$192,573	$1,379,440

U.S. GEOGRAPHICAL DISTRIBUTION
OF NASA PRIME CONTRACT AWARDS
Fiscal Year 2015

GRAND TOTAL	**$12,973,186,082**

Region & State	Total
NEW ENGLAND	**$254,861,622**
Connecticut	30,247,779
Maine	4,324,845
Massachusetts	183,037,531
New Hampshire	29,843,950
Rhode Island	5,691,710
Vermont	1,715,807
MID ATLANTIC	**$2,122,409,605**
Delaware	8,294,702
Dist Columbia	92,035,574
Maryland	1,865,716,615
New Jersey	16,803,942
New York	102,137,660
Pennsylvania	37,421,111
SOUTHEAST	**$2,937,252,205**
Alabama	1,260,741,481
Arkansas	2,296,016
Florida	498,686,937
Georgia	16,881,571
Kentucky	1,584,607
Louisiana	68,098,884
Mississippi	390,009,282
North Carolina	9,167,178
South Carolina	6,600,187
Tennessee	26,875,611
Virginia	619,421,757
West Virginia	36,888,692
GREAT LAKES	**$458,558,935**
Illinois	21,915,873
Indiana	158,964,912
Michigan	31,046,636
Ohio	224,172,054
Wisconsin	22,459,461

Region & State	Total
PLAINS	**$52,965,916**
Iowa	10,742,477
Kansas	4,555,318
Minnesota	11,282,461
Missouri	13,837,600
Nebraska	4,308,874
North Dakota	2,832,987
South Dakota	5,406,200
SOUTHWEST	**$1,456,950,534**
Arizona	93,608,134
New Mexico	27,727,300
Oklahoma	8,663,862
Texas	1,326,951,238
ROCKY MOUNTAIN	**$2,054,906,086**
Colorado	1,789,358,007
Idaho	3,052,238
Montana	8,598,513
Utah	252,325,315
Wyoming	1,572,013
FAR WEST	**$3,600,280,193**
California	3,530,564,395
Nevada	7,946,102
Oregon	18,303,732
Washington	43,465,964
ALASKA & HAWAII	**$35,000,987**
Alaska	13,650,773
Hawaii	21,350,214

X. AWARDS PLACED OUTSIDE THE UNITED STATES

During Fiscal Year 2015, NASA placed $517 million in awards that are being performed outside of the United States. These awards are being performed in 31 countries*.

Place of Performance	
Direct NASA Awards	$517,294,105
Australia	18,405,957
Belgium	19,583
Bermuda	135,414
Brazil	116,486
Bulgaria	10,320
Canada	794,555
Denmark	11,827
France	443,004
Germany	496,081
Greenland	33,650
Hong Kong	3,850
Ireland	21
Israel	563,430
Italy	15,982
Kenya	56,359
Korea (Republic of)	10,500
Luxembourg	16,250
Nepal	114,158
Netherlands	752,063
Norway	7,275,399
Peru	132,833
Portugal	19,750
Russia	470,324,651
South Africa	38,450
Spain	16,593,198
Sweden	154,471
Switzerland	103,375
Taiwan	5,283
Thailand	133,950
United Kingdom	513,254

* Does not include obligations of $1,188,625 to Puerto and $1,009,527 to the Virgin Islands, which are U.S. territories.

XI. PROCUREMENT ACTIVITY BY INSTALLATION

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

	Installation	Total (Millions)	Percent of Total
Total		$16,851.7	100%
	Johnson Space Center	3,924.6	23%
	Goddard Space Flight Center	3,601.4	22%
	NASA Management Office*	2,075.5	12%
	Kennedy Space Center	1,921.2	12%
	Marshall Space Flight Center	1,900.2	11%
	NASA Shared Services Center	1,447.2	9%
	Ames Research Center	539.0	3%
	Langley Research Center	492.7	3%
	Glenn Research Center	389.4	2%
	Headquarters	228.7	1%
	Stennis Space Center	192.5	1%
	Armstrong Flight Research Center	139.4	1%

*Includes both JPL & APL
Does not include Funded Space Act Agreements and Intragovernmentals.

GLOSSARY

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

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

APPENDICES

DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 1961 - 1970

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

*Included in Government.

**Less than 0.5 percent.

***Combined total of Educational and Nonprofit values.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 1971 - 1979

Type	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 197T**	FY 1977	FY 1978	FY 1979
				Net Value of Awards (Millions)						
Total	$2,858.2	$2,737.8	$2,673.4	$2,713.6	$2,866.4	$3,204.6	$829.8	$3,532.3	$3,659.6	$4,211.8
Business Firms	2,279.5	2,143.3	2,063.8	2,118.6	2,255.0	2,536.1	663.2	2,838.1	2,953.8	3,416.4
Educational	133.9	118.8	111.7	97.8	111.4	123.0	27.7	125.5	137.2	147.2
Nonprofit	29.3	28.0	26.4	39.3	33.0	32.0	7.6	32.0	42.8	50.8
JPL	173.3	210.8	202.3	215.2	234.5	263.7	63.6	289.0	283.8	338.6
Government	212.5	207.8	235.2	208.6	198.3	222.4	63.9	223.2	216.0	221.4
Outside U.S.	29.7	29.1	34.0	34.1	34.2	27.4	3.8	24.5	26.0	37.4
				Percent of Total						
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	78	77	78	79	79	80	80	81	81
Educational	5	4	4	4	4	4	3	4	4	4
Nonprofit	1	1	1	1	1	1	1	1	1	1
JPL	6	8	8	8	8	8	8	8	8	8
Government	7	8	9	8	7	7	8	6	5	5
Outside U.S.	1	1	1	1	1	1	*	1	1	1

*Less than 0.5 percent.

**FY197T represents the transition from a June-July Fiscal Year to the October-September Fiscal Year.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 1980 - 1989

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

*Less than 0.5 percent.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 1990 - 1999

Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
				Net Value of Awards (Millions)						
Total	$12,565.2	$13,159.0	$13,478.2	$13,160.4	$12,913.1	$13,341.4	$12,699.2	$12,789.5	$12,561.2	$12,674.6
Business Firms	10,071.5	10,417.3	10,716.7	10,497.9	9,965.7	10,311.5	9,800.8	9,817.2	9,550.5	9,386.5
Educational	513.6	592.0	659.3	707.8	730.9	814.4	745.7	807.7	898.1	1,019.0
Nonprofit	200.6	244.0	297.8	336.6	311.0	311.1	287.9	383.4	406.3	431.2
JPL	1,106.8	1,139.6	1,229.6	1,029.8	1,093.4	1,135.0	1,188.3	1,126.2	1,171.3	1,294.6
Government	610.4	693.4	498.6	508.4	642.6	562.7	484.7	464.3	407.7	389.6
Outside U.S.	62.3	72.7	76.2	79.9	169.5	206.7	191.8	190.7	127.3	153.7
				Percent of Total						
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	79	79	80	77	77	77	77	76	74
Educational	4	4	5	5	6	6	6	6	7	8
Nonprofit	2	2	2	3	2	2	2	3	3	4
JPL	9	9	9	8	9	9	9	9	9	10
Government	5	5	4	4	5	4	4	4	4	3
Outside U.S.	*	1	1	*	1	2	2	1	1	1

*Less than 0.5 percent.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 2000 - 2009

Type	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
				Net Value of Awards (Millions)						
Total	$12,504.7	$12,748.1	$13,302.5	$13,273.7	$13,472.4	$15,342.0	$15,846.3	$14,363.3	$16,785.4	$16,727.0
Business Firms	9,272.8	9,209.7	9,568.9	9,510.4	9,025.6	10,358.0	11,467.4	10,548.3	12,371.8	12,305.2
Educational	995.1	1,083.9	1,194.0	1,224.6	1,144.5	1,480.0	1,167.7	853.0	1,085.2	1,124.0
Nonprofit	465.8	523.4	582.5	575.5	614.6	740.0	671.3	467.4	587.1	619.9
JPL	1,291.3	1,451.7	1,404.1	1,290.4	1,963.7	1,771.0	1,700.2	1,730.8	1,767.8	1,707.5
Government	382.4	382.0	486.1	601.1	634.1	830.0	659.9	556.4	665.2	504.2
Outside U.S.	97.3	97.4	66.9	71.6	89.9	163.0	179.8	207.4	308.3	466.1
				Percent of Total						
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	74	72	72	69	67	68	72	74	74	73
Educational	8	9	9	13	8	10	8	6	6	7
Nonprofit	4	4	4	5	4	5	4	3	3	4
JPL	10	11	11	8	15	11	11	12	11	10
Government	3	3	3	5	5	5	4	4	4	3
Outside U.S.	0	1	1	0	1	1	1	1	2	3

DISTRIBUTION OF DIRECT NASA PROCUREMENTS
FISCAL YEARS 2010 - 2015

Type	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015				
			Net Value of Awards (Millions)							
Total	$17,417.4	$16,699.4	$16,570.4	$15,571.8	$16,004.1	$17,191.5				
Business Firms	13,186.4	12,529.6	11,908.3	11,431.5	12,086.5	12,703.0				
Educational	1,035.3	941.4	1,100.5	968.2	1,024.0	906.5				
Nonprofit	660.1	601.7	1,139.9	643.6	661.0	878.1				
JPL	1,618.7	1,604.5	1,239.5	1,708.3	1,708.2	1,847.2				
Government	490.0	526.5	512.7	473.1	160.8	339.8				
Outside U.S.	426.9	495.7	669.5	347.1	363.6	517.0				
			Percent of Total							
Total	100	100	100	100	100	100				
Business Firms	76	75	72	73	76	74				
Educational	6	6	7	6	5	5				
Nonprofit	4	4	7	5	5	5				
JPL	9	9	7	11	11	11				
Government	3	3	3	3	1	2				
Outside U.S.	2	3	4	2	2	3				

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

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

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

**Data not compiled.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1971 - 1979

Type of Action	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 197T**	FY 1977	FY 1978	FY 1979
				Net Value of Awards (Millions)						
Total Business	$2,279.5	$2,143.3	$2,063.8	$2,118.6	$2,255.0	$2,536.1	$663.2	$2,838.1	$2,953.8	$3,416.4
New Awards*	563.0	462.5	489.5	552.4	452.0	486.3	76.4	552.5	633.1	516.6
Modifications	1,716.5	1,680.8	1,574.3	1,566.2	1,803.0	2,049.8	586.8	2,285.6	2,320.7	2,899.8
Competitive	1,331.8	1,311.8	1,275.6	1,394.9	1,554.6	1,879.5	490.9	2,060.4	2,111.5	2,541.1
New Awards*	306.6	257.0	308.1	279.5	223.9	291.3	46.8	301.7	362.1	304.0
Modifications	1,025.2	1,054.8	967.5	1,115.4	1,330.7	1,588.2	444.1	1,758.7	1,749.4	2,237.1
Noncompetitive	947.7	831.5	788.2	723.7	700.4	656.6	172.3	777.7	842.3	875.3
New Awards*	256.4	205.5	181.4	272.9	228.1	195.0	29.6	250.8	271.0	212.6
Modifications	691.3	626.0	606.8	450.8	472.3	461.6	142.7	526.9	571.3	662.7
				Percent of Total						
Total Business	100	100	100	100	100	100	100	100	100	100
New Awards*	24	22	24	26	20	19	11	20	22	15
Modifications	76	78	76	74	80	81	89	80	78	85
Competitive	58	61	62	66	69	74	74	73	72	74
New Awards*	13	12	15	13	10	11	7	11	13	9
Modifications	45	49	47	53	59	63	67	62	59	65
Noncompetitive	42	39	38	34	31	26	26	27	28	26
New Awards*	11	10	9	13	10	8	4	9	9	6
Modifications	31	29	29	21	21	18	22	18	19	20

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

**FY 197T represents the transition from a June-July Fiscal Year to the October-September Fiscal Year.

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

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

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

**Excludes 8(a) awards.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1986 - 1995

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

*Less than 0.5 percent.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1996 - 2005

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

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

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 2006 - 2015

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

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

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

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

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

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

*Excludes procurements placed under General Services Administration contracts.

SMALL BUSINESS PARTICIPATION IN NASA PROCUREMENTS
FISCAL YEARS 1991 - 2015
(Millions of Dollars)

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