



# ANNUAL PROCUREMENT REPORT

**Fiscal Year 2017**

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## INTRODUCTION

This report presents summary data on all of NASA procurement actions and detailed information on contracts, grants, cooperative agreements and other procurements awarded by NASA during Fiscal Year 2017 using appropriated funds. All data was pulled from the Federal Procurement Data System (FPDS)\* with the exception of awards made through other Government agencies, which was obtained from NASA's financial system.

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

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

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

\*Data as of May 2018

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## I. TOTAL PROCUREMENTS

Fiscal Year 2017 – NASA’s procurements totaled \$18,502.5 million. The number of procurement actions totaled 40,044.

TRENDS IN  
PROCUREMENT OBLIGATIONS VS. TOTAL NASA OBLIGATIONS\*  
FISCAL YEARS 2013-2017  
(MILLIONS OF DOLLARS)

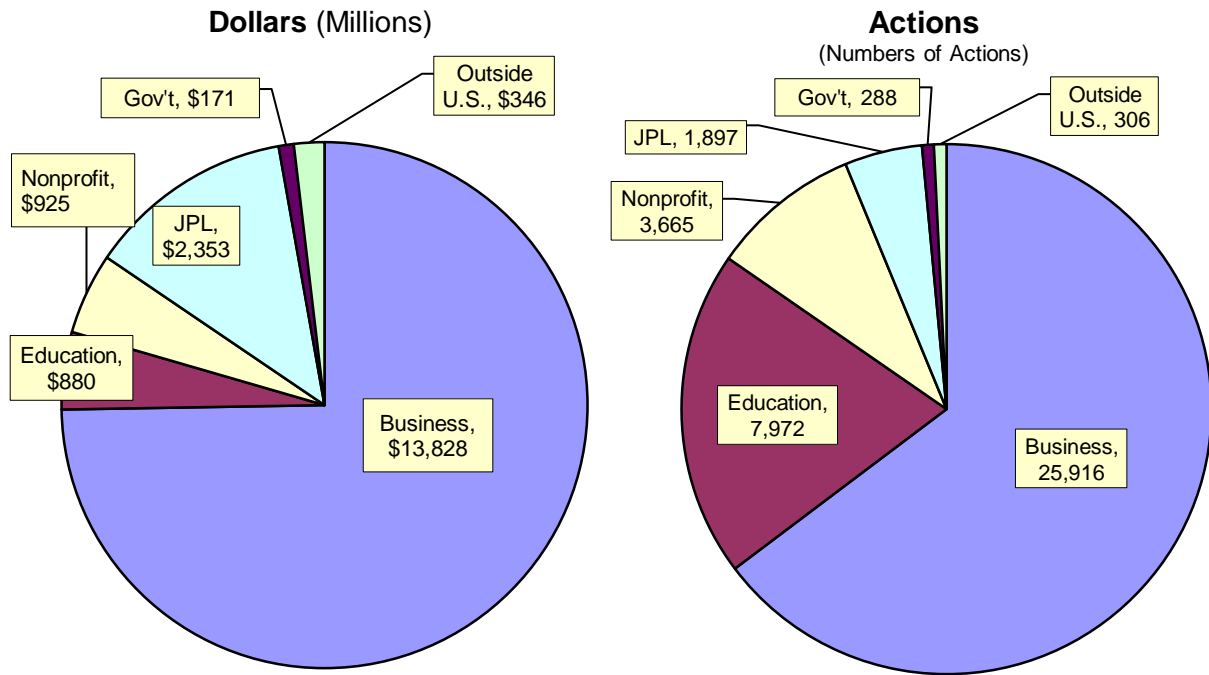
Fiscal Year	Total NASA Obligations	Procurement Obligations	
		Amount	% of Total Obligations
2017	\$22,678.2	\$18,502.5	81.6%
2016	\$22,527.0	\$18,687.9	83.0%
2015	\$21,070.5	\$17,191.5	81.6%
2014	\$20,353.2	\$16,004.1	78.6%
2013	\$19,711.5	\$15,571.8	79.0%

\*Total NASA obligations include salaries, benefits, and travel of NASA employees, as well as 114,091 purchase card transactions in the amount of \$75.4 million. Procurement obligations exclude Funded Space Act Agreements which are done outside of the procurement office and are not discussed in this document. Funded Space Act Agreement values are not included in any of the figures in this report.

## II. AWARDS BY TYPE OF CONTRACTOR

Fiscal Year 2017 – 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 2017



<u>Category</u>	<u>Value</u> (Millions)	<u>Percent</u> of Total	<u>Actions</u> (Number of)	<u>Percent</u> of Total
Business Firms	\$13,827.7	74.7%	25,916	64.7%
Educational Institutions	880.2	4.8%	7,972	19.9%
Nonprofit Organizations	924.5	5.0%	3,665	9.2%
JPL	2,352.6	12.7%	1,897	4.7%
Gov't Agencies	171.3	0.9%	288	0.7%
Outside U.S.	346.2	1.9%	306	0.8%
Total:	\$18,502.5	100.0%	40,044	100.0%

Figure 1

TRENDS IN AWARDS BY TYPE OF CONTRACTOR  
FISCAL YEARS 2013-2017

PROCUREMENT DOLLARS (IN MILLIONS)

	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>
BUSINESS FIRMS	\$11,431	\$12,086	\$12,703	\$13,982	\$13,827.7
EDUCATIONAL	968	1,024	906	894	880.2
NONPROFIT	644	661	878	968	924.5
JPL	1,708	1,708	1,847	2,133	2,352.6
GOV'T AGENCIES	473	161	340	397	171.3
OUTSIDE U.S.	347	364	517	314	346.2
<b>TOTAL</b>	<b>\$15,571</b>	<b>\$16,004</b>	<b>\$17,191</b>	<b>\$18,688</b>	<b>\$18,502.5</b>

PERCENT OF TOTAL DOLLARS

	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>
BUSINESS FIRMS	73.4%	75.5%	73.9%	74.8%	74.7%
EDUCATIONAL	6.2%	6.4%	5.3%	4.8%	4.8%
NONPROFIT	4.1%	4.1%	5.1%	5.2%	5.0%
JPL	11.0%	10.7%	10.7%	11.4%	12.7%
GOV'T AGENCIES	3.1%	1.0%	2.0%	2.1%	0.9%
OUTSIDE U.S.	2.2%	2.3%	3.0%	1.7%	1.9%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

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.

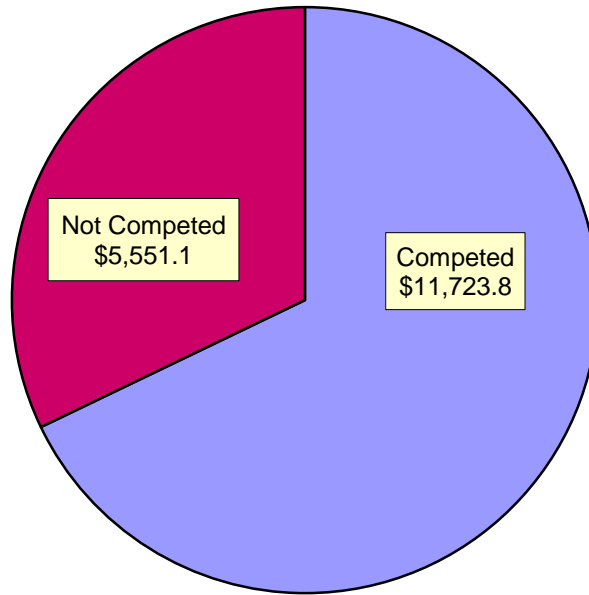
#### B. Reporting of Competition

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 2017

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

# COMPETITION IN NASA AWARDS TO BUSINESS FIRMS FISCAL YEAR 2017



<u>Total Competition</u>	<u>Value (Millions)</u>	<u>Percent of Total</u>
Competed	\$11,723.8	67.9%
Not Competed*	5,551.1	32.1%
<b>Total:</b>	<b><u><u>\$17,274.9</u></u></b>	<b><u><u>100%</u></u></b>

\*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 government-wide FPDS Competition Report and does not include grants, cooperative agreements and other items NASA includes in FPDS that other agencies do not.

Figure 2

Shown below are trends in the extent of competition in awards to business firms for Fiscal Years 2013-2017.

TRENDS IN AWARDS BY EXTENT OF COMPETITION  
FISCAL YEARS 2013-2017

TYPE OF ACTION	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Net Value of Awards (Millions)					
<u>Total</u>	<u>\$14,210.4</u>	<u>\$14,950.3</u>	<u>\$15,902.8</u>	<u>\$17,273.9</u>	<u>\$17,274.9</u>
<u>Competed</u>	\$9,261.4	\$10,066.9	\$10,787.8	\$11,980.6	\$11,723.8
<u>Not Competed</u>	\$4,949.0	\$4,883.4	\$5,114.9	\$5,293.3	\$5,551.1
Percent of Total					
<u>Total</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
<u>Competed</u>	65.2	67.3	67.8	69.4	67.9
<u>Not Competed</u>	34.8	32.7	32.2	30.6	32.1



## IV. AWARDS TO BUSINESS FIRMS

### A. Awards by Contract Type

Fiscal Year 2017 – The table below depicts the trends in awards to business firms by contract type. Figure 3, on the following page, categorizes Fiscal Year 2017 awards of new contracts and modifications to existing contracts. Since Fiscal Year 2007, NASA has seen steady growth in the use of Fixed Price awards instead of Award Fee awards wherever possible. Since that time, NASA has more than doubled the procurement dollars spent on Fixed Price awards, from \$2.1 billion in Fiscal Year 2007 to \$4.9 billion in Fiscal Year 2017. The percentage of Fixed Price actions has risen during the same time from 65.1 percent to 73.7 percent.

TRENDS IN AWARDS TO BUSINESS FIRMS BY CONTRACT TYPE\*  
FISCAL YEARS 2013-2017

#### PROCUREMENT DOLLARS (IN MILLIONS)

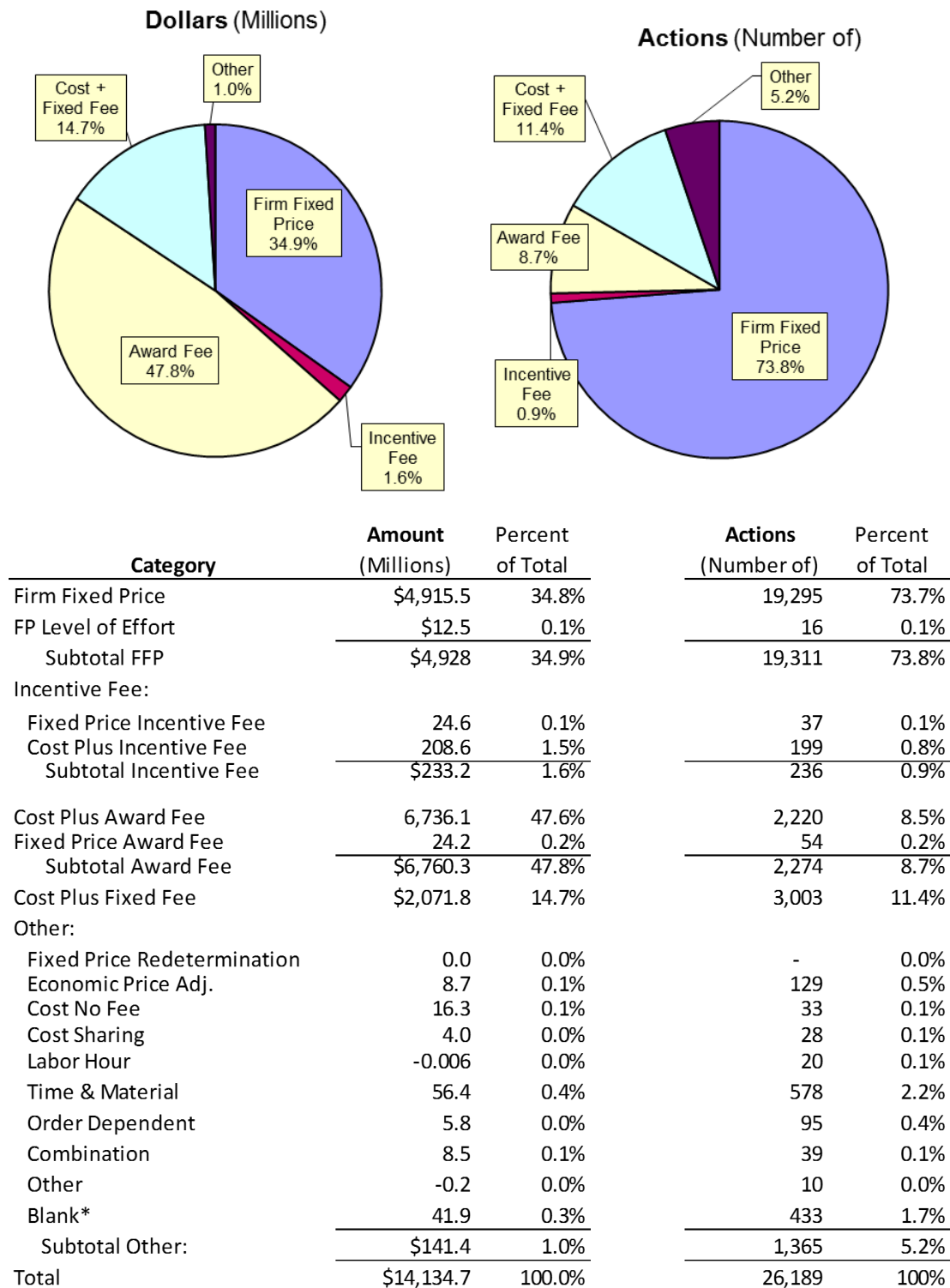
	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>
Firm Fixed Price	\$3,067	\$3,827	\$4,489	\$5,062	\$4,928
Incentive Fee	605	353	369	295	233
Award Fee	6,532	6,558	6,464	6,938	6,760
Cost Plus Fixed Fee	1,335	1,526	1,695	3,963	2,072
Other	220	179	183	142	141
<b>TOTAL BUSINESS</b>	<b>\$11,759</b>	<b>\$12,443</b>	<b>\$13,201</b>	<b>\$16,400</b>	<b>\$14,134</b>

#### PERCENT OF TOTAL DOLLARS

	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>
Firm Fixed Price	27%	26%	34%	31%	35%
Incentive Fee	5%	5%	3%	2%	1%
Award Fee	57%	56%	49%	42%	48%
Cost Plus Fixed Fee	9%	11%	13%	24%	15%
Other	2%	2%	1%	1%	1%
<b>TOTAL BUSINESS</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

\*Includes contract awards with the place of performance outside the US. Excludes Intragovernmental Awards.

# AWARDS BY CONTRACT TYPES TO BUSINESS FIRMS FISCAL YEAR 2017



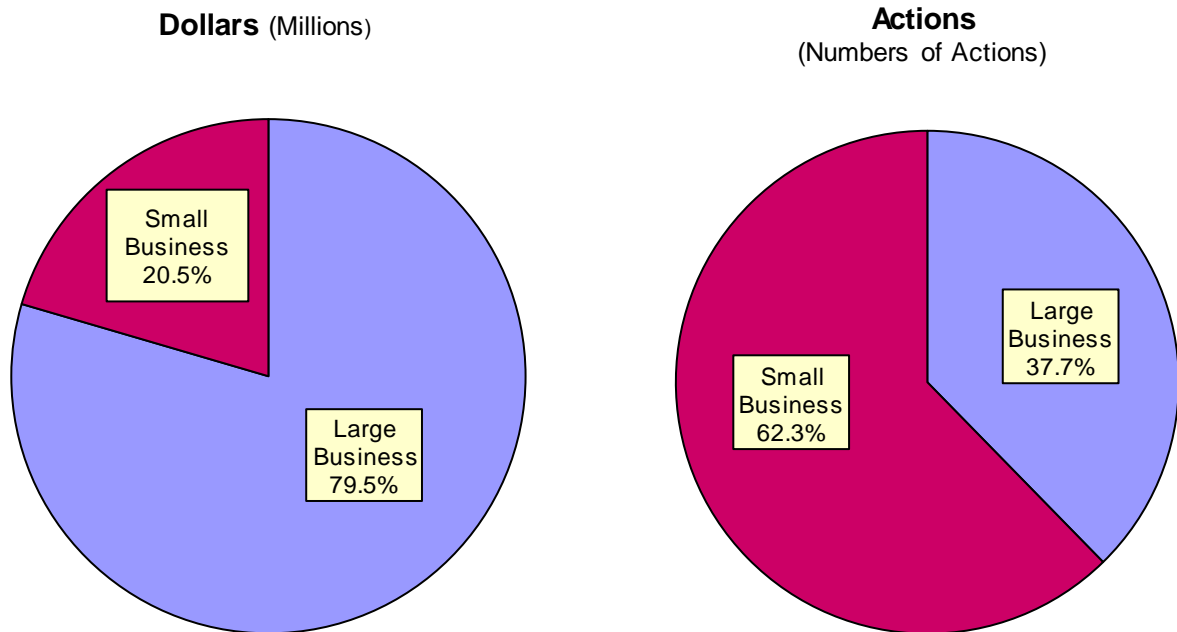
\*Contract type not required on BPA Calls, Grants or Cooperative Agreements

Figure 3

## B. Small Business Participation

Total Small Business – During Fiscal Year 2017 NASA awards to small business firms totaled \$2,830 million (see Figure 4). The number of actions going to small business represents 62.3 percent of all business actions and 20.5 percent of all business dollars. (Both are increases over Fiscal Year 2016.) In addition, the \$2,830 million includes \$567.3 million in new awards. New awards to small business firms represented 53.8 percent of NASA’s total new contract awards of \$1,055.3 million to all business firms during Fiscal Year 2017.

### SMALL BUSINESS PARTICIPATION FISCAL YEAR 2017



<u>Category</u>	<u>Amount</u> (\$ Millions)	<u>Percent</u> of Total	<u>Actions</u> (Number of)	<u>Percent</u> of Total
Large Business	\$10,997.7	79.5%	9,766	37.7%
Small Business	2,830.0 *	20.5%	16,150	62.3%
Total:	\$13,827.7	100.0%	25,916	100.0%

\*Includes \$621.6 million awarded to small disadvantaged firms under Authority of Section 8(a) of the Small Business Act. Also includes \$214.6 million awarded to small businesses through the Small Business Innovation Research and Small Business Technology Programs.

Excludes awards with Place of Performance outside the United States.

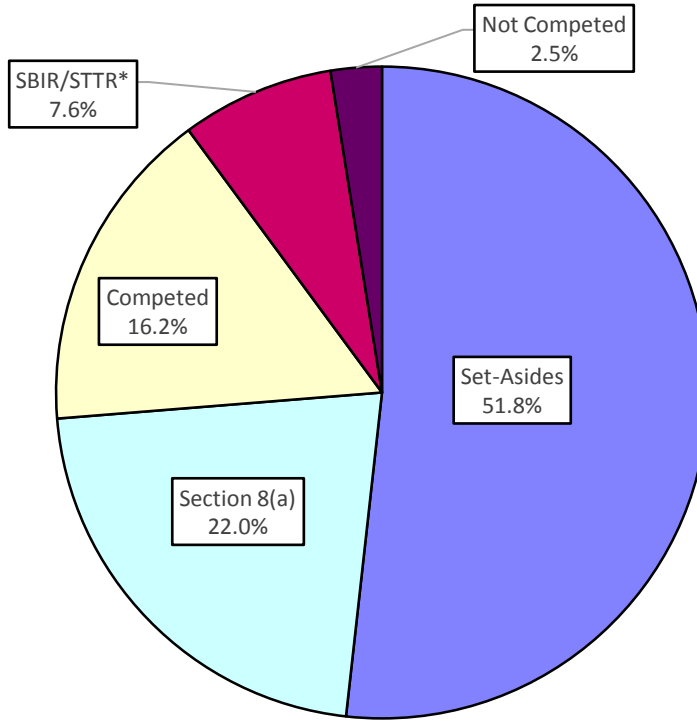
Figure 4

## Small Business Programs & Categories

- (1) **Small Business Set-Asides** – Small business set-asides are defined as competitive awards that are limited only to small businesses. The small business set-aside program continues to exert a strong influence on the capability of small business firms to participate in the space program. In Fiscal Year 2017, these set-asides amounted to \$1,464.9 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 2017, 8(a) awards totaled \$621.5 million.
- (3) **Small Business Innovation Research (SBIR)** – The Small Business Innovation Research (SBIR) program is a highly competitive program that encourages domestic small businesses to engage in Federal Research/Research and Development (R/R&D) that has the potential for commercialization. During Fiscal Year 2017, NASA awarded 458 new SBIR contracts totaling \$130 million. Of this amount, 343 were Phase I awards totaling \$45 million and 115 were Phase II awards totaling \$85 million. Also in Fiscal Year 2017, NASA funded on-going Phase I and II contracts totaling \$5 million. Included in the total SBIR Phase I and II awards of \$135.5 million, 105 actions, or \$21.5 million, were to small disadvantaged business firms, and 85 actions, or \$14.5 million, were to women-owned firms.
- (4) **Small Business Technology Transfer (STTR)** – The Small Business Technology Transfer (STTR) program expands public/private sector partnerships including joint venture opportunities for small businesses and nonprofit research institutions. STTR's most important role is to bridge the gap between performance of basic science and commercialization of resulting innovations. During Fiscal Year 2017, NASA awarded 98 new STTR contracts totaling \$36.4 million. Of this amount, 59 were Phase I awards totaling \$7.3 million, and 39 were Phase II awards totaling \$29.1 million. Also in Fiscal Year 2017, NASA funded on-going Phase I and II STTR contracts totaling \$437,644. Included in the total Phase I and II STTR awards of \$36.9 million are 23 actions for \$2.1 million to small disadvantaged business firms, and 19 actions amounting to \$4.1 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 2017, Women-Owned Small Business firms received prime contract awards totaling \$722 million. Of this amount, \$346.7 million was awarded to Women-Owned Small Disadvantaged Businesses.
- (6) **HUBZone Small Business Awards** – NASA awarded \$78.8 million to HUBZone Small Business concerns in Fiscal Year 2017.
- (7) **Veteran-Owned Small Business Awards** – In Fiscal Year 2017, NASA awarded \$350.2 million to Veteran Owned Small Businesses. Of this amount, \$173.4 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 2017**



Category	Amount (Millions)	Percent of Total
Set-Asides	\$1,464.9	51.8%
Section 8(a)	621.5	22.0%
Competed	457.4	16.2%
SBIR/STTR*	214.6	7.6%
Not Competed	71.6	2.5%
<b>Total</b>	<b>\$2,830.0</b>	<b>100.0%</b>

\*Includes Phase III SBIR/STTR obligations (\$53.3 million).

Figure 5

#### D. Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during Fiscal Year 2017 totaled \$1,036.8 million. NASA makes continuing efforts to include disadvantaged business participation through direct awards and awards placed under the provisions of Section 8(a) of the Small Business Act.

TRENDS IN SMALL AND SMALL DISADVANTAGED  
BUSINESS AWARDS  
FISCAL YEARS 2013-2017  
  
(MILLIONS OF DOLLARS)

TYPE OF AWARD	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Section 8(a)	\$545.9	\$548.0	\$551.4	\$620.9	\$621.5
Other Small Disadv. Business	<u>372.4</u>	<u>605.2</u>	<u>678.0</u>	<u>649.3</u>	<u>415.3</u>
Total	<u>\$918.3</u>	<u>\$1,153.2</u>	<u>\$1,229.4</u>	<u>\$1,270.2</u>	<u>\$1,036.8</u>

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 2017 are shown below. The awards to these contractors accounted for 90.1 percent of the direct awards to business firms during the year. The smallest aggregate award to any contractor in the top 100 was in excess of \$10 million. Of the top 100 contractors, 49 were small business firms and of these 25 were disadvantaged firms at the time of award.

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED  
ACCORDING TO TOTAL AWARDS RECEIVED  
FISCAL YEAR 2017  
(S=Small Business/D=Disadvantaged Business)

<u>TOTAL AWARDS TO BUSINESS FIRMS</u>		\$14,134,684,330	100%
1.	BOEING CO	\$2,005,895,383	14.19
2.	LOCKHEED MARTIN CORP	\$1,413,156,593	10.00
3.	SPACE EXPLORATION TECHNOLOGIES CORP	\$976,894,459	6.91
4.	ORBITAL SCIENCES CORP	\$738,102,693	5.22
5.	JACOBS TECHNOLOGY	\$669,952,547	4.74
6.	SCIENCE APPLICATIONS INTERNATIONAL CORP	\$351,410,766	2.49
7.	AEROJET ROCKETDYNE	\$347,978,871	2.46
8.	RAYTHEON CO	\$346,666,266	2.45
9.	EXELIS	\$328,553,382	2.32
10.	NORTHROP GRUMMAN SPACE & MISSION SYSTEMS CORP	\$304,328,905	2.15
11.	UNITED LAUNCH SERVICES	\$297,804,736	2.11
12.	SGT	\$283,990,033	2.01
13.	ATK LAUNCH SYSTEMS	\$264,725,291	1.87
14.	RUSSIA SPACE AGENCY	\$254,927,246	1.80
15.	BALL AEROSPACE & TECHNOLOGIES CORP	\$181,127,383	1.28
16.	SYNCOM SPACE SERVICES	S D \$171,993,469	1.22
17.	WYLE LABORATORIES	\$163,940,442	1.16
18.	URS FEDERAL SERVICES	\$155,531,351	1.10
19.	NORTHROP GRUMMAN SYSTEMS CORP	\$137,786,095	0.97
20.	QINETIQ NORTH AMERICA	\$135,506,258	0.96
21.	AS & D	S D \$132,712,649	0.94
22.	SCIENCE SYSTEMS & APPLICATIONS	S \$131,450,136	0.93
23.	SIERRA NEVADA CORP	\$122,597,640	0.87
24.	ATA AEROSPACE	S \$116,788,627	0.83
25.	HONEYWELL TECHNOLOGY SOLUTIONS	\$98,179,683	0.69
26.	ARCTIC SLOPE TECHNICAL SERVICES	S D \$96,492,866	0.68
27.	HP ENTERPRISE SERVICES	\$96,324,316	0.68
28.	MILLENNIUM ENGINEERING & INTEGRATION CO	S \$94,711,616	0.67
29.	HAMILTON SUNDSTRAND SPACE SYSTEMS INTERNATIONAL	\$91,457,190	0.65
30.	GENERAL DYNAMICS ADVANCED INFORMATION SYSTEMS	\$83,809,291	0.59
31.	INUTEQ	S D \$81,347,332	0.58

ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED  
 ACCORDING TO TOTAL AWARDS RECEIVED  
 FISCAL YEAR 2017  
 (S=Small Business/D=Disadvantaged Business)

32.	LEIDOS INNOVATIONS CORP			\$80,867,861	0.57
33.	ANALYTICAL MECHANICS ASSOCIATES	S		\$75,926,666	0.54
34.	COMPUTER SCIENCES CORP			\$69,497,635	0.49
35.	J P DONOVAN CONSTRUCTION	S		\$67,948,672	0.48
36.	TELEDYNE BROWN ENGINEERING			\$67,548,143	0.48
37.	PAE APPLIED TECHNOLOGIES			\$67,484,325	0.48
38.	AERIE AEROSPACE	S	D	\$63,203,196	0.45
39.	LJT & ASSOCIATES	S		\$58,635,392	0.41
40.	TRAX INTERNATIONAL CORP			\$56,700,302	0.40
41.	ABACUS TECHNOLOGY CORP	S		\$55,056,300	0.39
42.	HX5 SIERRA	S	D	\$52,253,793	0.37
43.	ADNET SYSTEMS	S		\$50,877,918	0.36
44.	ALCYON TECHNICAL SERVICES	S	D	\$48,621,404	0.34
45.	SIERRA LOBO	S	D	\$48,431,226	0.34
46.	ASRC RESEARCH & TECHNOLOGY SOLUTIONS	S	D	\$42,904,946	0.30
47.	MANUFACTURING TECHNICAL SOLUTIONS	S		\$41,342,286	0.29
48.	MORI ASSOCIATES			\$39,713,379	0.28
49.	BARRIOS TECHNOLOGY	S		\$39,515,258	0.28
50.	AI SOLUTIONS	S		\$38,767,932	0.27
51.	S J AMOROSO CONSTRUCTION CO			\$38,338,000	0.27
52.	COLSA CORP	S		\$34,212,610	0.24
53.	MILLENNIUM ENGINEERING & INTEGRATION SERVICES	S	D	\$33,501,064	0.24
54.	ALL POINTS LOGISTICS	S		\$32,430,403	0.23
55.	CHENEGA INFINITY	S	D	\$31,885,776	0.23
56.	BASTION TECHNOLOGIES	S	D	\$31,594,341	0.22
57.	BOOZ ALLEN HAMILTON			\$29,627,886	0.21
58.	SPACE SYSTEMS/LORAL			\$29,074,557	0.21
59.	VANTAGE PARTNERS	S		\$28,866,655	0.21
60.	PEERLESS TECHNOLOGIES CORP	S	D	\$27,417,656	0.19
61.	DYNETICS	S		\$27,135,752	0.19
62.	DIGITAL MANAGEMENT			\$26,973,200	0.19
63.	TASC			\$26,730,669	0.19
64.	CHUGACH FEDERAL SOLUTIONS	S	D	\$26,621,857	0.19
65.	ARES TECHNICAL SERVICES CORP	S		\$25,425,989	0.18
66.	OMITRON	S		\$24,260,712	0.17
67.	DYNCORP INTERNATIONAL			\$24,197,282	0.17
68.	SAUER			\$22,571,000	0.16
69.	RAYTHEON TECHNICAL SERVICES CO			\$22,308,791	0.16
70.	ZIN TECHNOLOGIES	S	D	\$22,128,479	0.16
71.	GENTECH PARTNERS	S	D	\$21,667,451	0.15



ONE HUNDRED CONTRACTORS (BUSINESS FIRMS) LISTED  
 ACCORDING TO TOTAL AWARDS RECEIVED  
 FISCAL YEAR 2017  
 (S=Small Business/D=Disadvantaged Business)

72.	AMERICAN-PARAGON PROTECTIVE SERVICES	S		\$20,828,305	0.15
73.	L-3 COMMUNICATIONS VERTEX AEROSPACE			\$19,385,372	0.14
74.	GENERAL ELECTRIC CO			\$17,885,636	0.13
75.	INTEGRATED MISSION SUPPORT SERVICES	S	D	\$16,858,665	0.12
76.	POTOMAC ELECTRIC POWER CO			\$16,686,013	0.12
77.	SCIENCE & TECHNOLOGY CORP COMMONWEALTH SCIENTIFIC & INDUSTRIAL RESEARCH ORGANISATION	S		\$15,667,697	0.11
78.				\$15,622,268	0.11
79.	VICTORY SOLUTIONS	S		\$15,419,278	0.11
80.	PTSI MANAGED SERVICES			\$15,354,630	0.11
81.	TRIDENT VANTAGE SYSTEMS	S	D	\$14,870,780	0.11
82.	ALUTHIQ PACIFIC	S	D	\$14,608,981	0.10
83.	CLEVELAND ELECTRIC ILLUMINATING CO			\$14,601,817	0.10
84.	BUSINESS INTEGRA TECHNOLOGY SOLUTIONS	S	D	\$14,017,384	0.10
85.	CHENEGA SECURITY & SUPPORT SOLUTIONS	S	D	\$13,770,060	0.10
86.	L-3 NATIONAL SECURITY SOLUTIONS			\$13,415,026	0.10
87.	AECOM TECHNICAL SERVICES			\$13,165,643	0.09
88.	AL RAZAQ COMPUTING SERVICES	S	D	\$13,158,586	0.09
89.	FOUR	S	D	\$12,634,315	0.09
90.	FLORIDA POWER & LIGHT CO			\$12,517,179	0.09
91.	SWORD & SHIELD ENTERPRISE SECURITY	S		\$12,432,431	0.09
92.	CH2M HILL			\$12,148,119	0.09
93.	CH2M FACILITY SUPPORT SERVICES			\$11,837,279	0.08
94.	S P KOROLEV ROCKET & SPACE PUBLIC CORP ENERGIA			\$11,603,297	0.08
95.	WOLF CREEK FEDERAL SERVICES	S	D	\$11,420,484	0.08
96.	PINNACLE SOLUTIONS	S		\$11,154,702	0.08
97.	MADE IN SPACE	S		\$11,065,962	0.08
98.	VALADOR			\$10,925,956	0.08
99.	ASTROTECH SPACE OPERATIONS	S	D	\$10,572,483	0.08
100.	REI SYSTEMS	S		\$10,528,904	0.07
	OTHER			\$1,402,116,802	9.92

## 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 2017 amounted to \$2,352.6 million. Of this amount, JPL awarded \$1,163.8 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 2017, NASA awarded \$1,804.7 million to educational and other nonprofit institutions. Of this amount, \$880.2 million was awarded to educational institutions and \$924.5 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	\$603.2	\$199.6	\$403.6
Grants	613.8	499.0	114.8
Cooperative Agreements	339.6	166.7	172.9
Purchase/Delivery Orders	<u>248.1</u>	<u>14.9</u>	<u>233.2</u>
Total	\$1,804.7	\$880.2	\$924.5

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

In addition to the \$613.8 million in grant awards to educational and nonprofit firms, NASA also awarded \$30.9 million in grants to business firms bringing the total grant awards to \$644.7 million. Cooperative Agreements were \$350.7 million when awards to business firms of \$11.1 million were included.

## B. One Hundred Principal Educational and Nonprofit Institutions

The 100 educational and nonprofit institutions that received the largest dollar value of NASA awards during Fiscal Year 2017 are shown below.\*

The awards to these institutions accounted for 90.48 percent of the total awards to educational and nonprofit institutions during the period. Of the top 100, 67 were educational institutions; 33 were nonprofit organizations.

\*Excludes JPL

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS  
LISTED ACCORDING TO TOTAL AWARDS RECEIVED  
FISCAL YEAR 2017  
(NP=Nonprofit Institution)

<u>TOTAL AWARDS TO EDUCATIONAL &amp; NONPROFIT</u>			\$1,843,903,371	100%
1.	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	NP	\$170,168,027	9.23
2.	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY	NP	\$153,698,253	8.34
3.	UNIVERSITIES SPACE RESEARCH ASSOCIATION	NP	\$139,071,707	7.54
4.	UNIVERSITY OF CALIFORNIA		\$101,235,621	5.49
5.	SOUTHWEST RESEARCH INSTITUTE	NP	\$87,697,637	4.76
6.	UNIVERSITY OF COLORADO		\$71,962,258	3.90
7.	UNIVERSITY OF MARYLAND		\$67,119,023	3.64
8.	SMITHSONIAN INSTITUTION	NP	\$63,626,230	3.45
9.	AEROSPACE CORP	NP	\$47,751,266	2.59
10.	UNIVERSITY OF ARIZONA		\$39,144,938	2.12
11.	INSTITUTO NACIONAL DE TECNICA AEROSPAZIAL	NP	\$37,966,238	2.06
12.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY		\$35,789,498	1.94
13.	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	NP	\$35,514,982	1.93
14.	UNIVERSITY OF ALABAMA		\$27,580,737	1.50
15.	ARIZONA STATE UNIVERSITY		\$26,195,695	1.42
16.	JOHNS HOPKINS UNIVERSITY		\$23,737,370	1.29
17.	UNIVERSITY OF HAWAII		\$22,497,622	1.22
18.	UNIVERSITY OF MICHIGAN		\$20,930,376	1.14
19.	UNIVERSITY OF ALASKA		\$20,355,400	1.10
20.	SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	NP	\$19,127,902	1.04
21.	BAY AREA ENVIRONMENTAL RESEARCH INSTITUTE	NP	\$18,354,363	1.00
22.	COLUMBIA UNIVERSITY		\$18,256,221	0.99
23.	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	NP	\$16,119,403	0.87
24.	UNIVERSITY OF WASHINGTON		\$15,661,402	0.85
25.	UNIVERSITY OF TEXAS		\$14,268,304	0.77
26.	UNIVERSITY OF CENTRAL FLORIDA		\$13,141,486	0.71
27.	STANFORD UNIVERSITY		\$12,769,571	0.69
28.	PENNSYLVANIA STATE UNIVERSITY		\$12,685,818	0.69
29.	BAYLOR COLLEGE OF MEDICINE		\$11,645,079	0.63
30.	SETI INSTITUTE	NP	\$11,575,718	0.63

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS  
LISTED ACCORDING TO TOTAL AWARDS RECEIVED  
FISCAL YEAR 2017  
(NP=Nonprofit Institution)

31.	UNIVERSITY OF WISCONSIN		\$11,381,826	0.62
32.	GEORGIA TECH RESEARCH CORP	NP	\$11,147,364	0.60
33.	UNIVERSITY OF OKLAHOMA		\$10,905,720	0.59
34.	UNIVERSITY OF NEW HAMPSHIRE		\$9,800,327	0.53
35.	CALIFORNIA INSTITUTE OF TECHNOLOGY		\$9,423,855	0.51
36.	UNIVERSITY OF ILLINOIS		\$9,330,905	0.51
37.	TEXAS A & M UNIVERSITY		\$8,924,569	0.48
38.	PRINCETON UNIVERSITY		\$8,423,811	0.46
39.	HARVARD COLLEGE		\$7,892,020	0.43
40.	NATIONAL ACADEMY OF SCIENCES	NP	\$7,677,386	0.42
41.	PLANETARY SCIENCE INSTITUTE	NP	\$7,434,021	0.40
42.	CORNELL UNIVERSITY		\$7,308,194	0.40
43.	OHIO STATE UNIVERSITY		\$7,262,858	0.39
44.	UNIVERSITY OF MINNESOTA		\$7,226,987	0.39
45.	OREGON STATE UNIVERSITY		\$7,205,605	0.39
46.	COLORADO STATE UNIVERSITY		\$7,195,402	0.39
47.	WOODS HOLE OCEANOGRAPHIC INSTITUTION	NP	\$6,940,578	0.38
48.	WEST VIRGINIA UNIVERSITY RESEARCH CORP	NP	\$6,888,219	0.37
49.	WASHINGTON UNIVERSITY		\$6,680,643	0.36
50.	BREVARD ACHIEVEMENT CENTER	NP	\$6,079,326	0.33
51.	MELWOOD HORTICULTURAL TRAINING CENTER	NP	\$5,910,764	0.32
52.	CATHOLIC UNIVERSITY OF AMERICA		\$5,689,243	0.31
53.	PURDUE UNIVERSITY		\$5,497,461	0.30
54.	CITY OF HAMPTON	NP	\$5,320,857	0.29
55.	CHARLES STARK DRAPER LABORATORY	NP	\$5,006,634	0.27
56.	OKLAHOMA STATE UNIVERSITY CENTER FOR INNOVATION & ECONOMIC DEVELOPMENT	NP	\$4,476,634	0.24
57.	LOGISTICS MANAGEMENT INSTITUTE	NP	\$4,410,772	0.24
58.	UNIVERSITY OF CHICAGO		\$4,190,807	0.23
59.	BOSTON UNIVERSITY		\$4,092,568	0.22
60.	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY		\$4,026,735	0.22
61.	MONTANA STATE UNIVERSITY		\$4,011,546	0.22
62.	HAMPTON UNIVERSITY		\$4,008,041	0.22
63.	GEORGE MASON UNIVERSITY		\$4,003,943	0.22
64.	UNIVERSITY OF DELAWARE		\$3,966,575	0.22
65.	CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	NP	\$3,910,000	0.21
66.	SPACE SCIENCE INSTITUTE	NP	\$3,845,157	0.21
67.	UNIVERSITY OF TENNESSEE		\$3,811,898	0.21
68.	MICHIGAN TECHNOLOGICAL UNIVERSITY		\$3,700,544	0.20
69.	UNIVERSITY OF FLORIDA		\$3,666,709	0.20
70.	UNIVERSITY OF PENNSYLVANIA		\$3,627,692	0.20

ONE HUNDRED EDUCATIONAL AND NONPROFIT INSTITUTIONS  
LISTED ACCORDING TO TOTAL AWARDS RECEIVED  
FISCAL YEAR 2017  
(NP=Nonprofit Institution)

71.	NEW MEXICO STATE UNIVERSITY		\$3,402,588	0.18
72.	UNIVERSITY OF IOWA		\$3,352,314	0.18
73.	UNIVERSITY OF UTAH		\$3,242,100	0.18
74.	UNIVERSITY OF MASSACHUSETTS		\$3,239,350	0.18
75.	NEVADA SYSTEM OF HIGHER EDUCATION		\$3,236,841	0.18
76.	UNIVERSITY OF SOUTHERN CALIFORNIA		\$3,183,114	0.17
77.	UNIVERSITY OF MIAMI		\$2,797,097	0.15
78.	SRI INTERNATIONAL	NP	\$2,784,265	0.15
79.	BROWN UNIVERSITY		\$2,771,563	0.15
80.	OLD DOMINION UNIVERSITY RESEARCH FOUNDATION	NP	\$2,759,737	0.15
81.	CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL	NP	\$2,676,335	0.14
82.	UNIVERSITY OF IDAHO		\$2,655,865	0.14
83.	SCIENCE MUSEUM OF MINNESOTA	NP	\$2,605,184	0.14
84.	TEXAS A & M ENGINEERING EXPERIMENT STATION	NP	\$2,544,958	0.14
85.	UNIVERSITY OF SOUTH CAROLINA		\$2,414,229	0.13
86.	WILLIAM MARSH RICE UNIVERSITY		\$2,409,079	0.13
87.	UNIVERSITY OF ARKANSAS		\$2,404,290	0.13
88.	FLORIDA STATE UNIVERSITY		\$2,403,929	0.13
89.	YALE UNIVERSITY		\$2,326,171	0.13
90.	STONY BROOK UNIVERSITY		\$2,312,083	0.12
91.	UNIVERSITY OF KENTUCKY		\$2,266,358	0.12
92.	UNIVERSITY OF HOUSTON		\$2,261,518	0.12
93.	UNIVERSITY OF WYOMING		\$2,252,816	0.12
94.	UNIVERSITY OF VIRGINIA		\$2,210,121	0.12
95.	SOUTH DAKOTA STATE UNIVERSITY		\$2,164,014	0.12
	UNITED STATES FOUNDATION FOR INSPIRATION & RECOGNITION OF	NP	\$2,143,077	0.12
96.	SCIENCE & TECHNOLOGY			
97.	WGBH EDUCATIONAL FOUNDATION	NP	\$2,135,029	0.11
98.	LINDEN RESOURCES	NP	\$2,127,012	0.11
	ANTHONY WAYNE REHABILITATION CENTER FOR HANDICAPPED &		\$2,102,457	0.11
99.	BLIND			
100.	NORTH CAROLINA STATE UNIVERSITY		\$2,075,761	0.11
	OTHER		\$158,691,774	8.61

## VIII. AWARDS BY TYPE OF EFFORT

During Fiscal Year 2017, \$18,330.6 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 \$3,500.

<u>Category</u>	<u>Total (Millions)</u>	<u>Number of Actions</u>
<u>Total</u>	<u>\$ 18,330.6</u>	<u>39,478</u>
<u>Research &amp; Development</u>	<u>\$ 10,415.0</u>	<u>17,758</u>
Space Science & Applications	3965.4	11,874
Space Flight	1777.1	236
Aeronautics & Space Technology	1632.1	2,948
Space Station	503.2	240
Space Operations	422.8	148
Commercial Programs	1.0	3
Other Space R&D	180.2	146
Other R&D	1933.2	2,163
<u>Services</u>	<u>\$ 6,042.4</u>	<u>14,562</u>
Professional, Admin. & Mgmt. Support	2087.2	5,130
Transportation, Travel & Relocation Svc.	1546.6	295
Information Technology & Telecommunications	870.7	2,498
Operation of Structures/Facilities	385.8	350
Utilities & Housekeeping	379.5	946
Maint., Repair or Alteration Real Property	213.0	795
Construction of Structures & Facilities	202.3	900
Special Studies & Analyses-Not R&D	123.2	320
Architect & Engineering Services	71.5	655
Maint., Repair & Rebuilding of Equipment	63.5	529
Other Services	99.1	2,144
<u>Supplies &amp; Equipment</u>	<u>\$ 1,873.2</u>	<u>7,158</u>
Space Vehicles	1301.9	379
Aircraft & Airframe Structural Components	126.0	33
Aircraft Components & Accessories	98.0	264
Instruments & Laboratory Equipment	96.3	1,525
Information Technology Equipment (Incl. Firmware), Software, Supplies & Support Equipment	68.9	2,275
Engines, Turbines & Components	56.1	38
Communication, Detection & Coherent Radiation Equip.	26.5	439
Fuels, Lubricants, Oils & Waxes	22.8	374
Electrical & Electronic Equip. Components	13.2	274
Chemicals & Chemical Products	10.7	115
Other Supplies & Equipment	52.8	1,442

## IX. AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During Fiscal Year 2017, \$171.3 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 2017

<u>Agency</u>	<u>Total (Millions)</u>	<u>Percent of Total</u>
	<u>\$171.3</u>	<u>100</u>
Air Force	67.0	39.1
Defense Department	36.5	21.3
Army	28.8	16.8
Navy	11.5	6.6
Interior	7.8	4.6
Energy	6.1	3.6
Commerce	5.6	3.3
Transportation	4.2	2.5
National Science Foundation	1.5	0.9
Agriculture	1.3	0.8
Other Government Agencies	1.0	0.5

## X. U.S. GEOGRAPHICAL DISTRIBUTION OF AWARDS

In Fiscal Year 2017, 50 states and the District of Columbia participated in NASA's direct awards. The distribution of awards is also shown by region. (See Page 23).

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 2017

STATE	TOTAL	BUSINESS	EDUCATIONAL & NONPROFIT
TOTAL	\$14,114,210,572	\$12,357,686,480	\$1,756,524,092
ALABAMA	\$1,461,982,870	\$1,433,308,734	\$28,674,136
ALASKA	\$9,029,065	-\$44,088	\$9,073,153
ARIZONA	\$162,935,451	\$87,032,947	\$75,902,504
ARKANSAS	\$2,522,035	\$117,745	\$2,404,290
CALIFORNIA	\$4,352,973,915	\$4,066,482,109	\$286,491,806
COLORADO	\$1,683,756,362	\$1,583,194,292	\$100,562,069
CONNECTICUT	\$28,899,679	\$24,894,630	\$4,005,049
DELAWARE	\$7,842,134	\$1,716,117	\$6,126,017
DIST COLUMBIA	\$115,450,400	\$86,983,469	\$28,466,931
FLORIDA	\$878,620,723	\$849,124,379	\$29,496,344
GEORGIA	\$19,574,163	\$6,070,627	\$13,503,536
HAWAII	\$24,864,526	\$3,383,793	\$21,480,733
IDAHO	\$4,741,239	\$681,575	\$4,059,664
ILLINOIS	\$26,910,516	\$9,926,826	\$16,983,690
INDIANA	\$150,446,424	\$142,944,480	\$7,501,944
IOWA	\$6,977,061	\$1,758,527	\$5,218,533
KANSAS	\$1,780,889	\$263,381	\$1,517,508
KENTUCKY	\$10,642,658	\$6,036,323	\$4,606,335
LOUISIANA	\$2,495,786	\$173,196	\$2,322,590
MAINE	\$5,578,144	\$500,089	\$5,078,055
MARYLAND	\$1,842,135,652	\$1,350,962,361	\$491,173,291
MASSACHUSETTS	\$181,029,645	\$50,634,756	\$130,394,889
MICHIGAN	\$35,402,023	\$7,267,345	\$28,134,678
MINNESOTA	\$16,809,056	\$6,678,182	\$10,130,874
MISSISSIPPI	\$363,998,752	\$359,487,722	\$4,511,029
MISSOURI	\$39,626,948	\$31,411,416	\$8,215,532
MONTANA	\$8,486,218	\$2,925,183	\$5,561,034
NEBRASKA	\$1,734,103	\$342,691	\$1,391,412
NEVADA	\$6,938,667	\$3,191,295	\$3,747,372
NEW HAMPSHIRE	\$26,901,967	\$13,515,289	\$13,386,678
NEW JERSEY	\$21,753,380	\$9,395,817	\$12,357,564
NEW MEXICO	\$29,092,027	\$21,981,213	\$7,110,815
NEW YORK	\$60,326,522	\$21,716,326	\$38,610,196
NORTH CAROLINA	\$14,988,936	\$7,887,834	\$7,101,102
NORTH DAKOTA	\$1,942,974	\$877,297	\$1,065,677
OHIO	\$186,841,915	\$161,673,308	\$25,168,606
OKLAHOMA	\$18,984,809	\$1,894,285	\$17,090,525
OREGON	\$15,777,127	\$7,456,736	\$8,320,391
PENNSYLVANIA	\$42,107,467	\$21,084,353	\$21,023,114
RHODE ISLAND	\$3,994,425	\$663,197	\$3,331,228
SOUTH CAROLINA	\$6,799,198	\$2,212,706	\$4,586,491
SOUTH DAKOTA	\$4,760,232	\$1,769,134	\$2,991,097
TENNESSEE	\$21,649,489	\$15,847,782	\$5,801,708
TEXAS	\$1,121,893,321	\$985,644,044	\$136,249,277



US GEOGRAPHICAL DISTRIBUTION  
OF NASA PRIME CONTRACT AWARDS  
FISCAL YEAR 2017

STATE	TOTAL	BUSINESS	EDUCATIONAL & NONPROFIT
UTAH	\$274,218,198	\$268,355,374	\$5,862,824
VERMONT	\$1,330,940	\$540,729	\$790,211
VIRGINIA	\$705,156,979	\$638,640,633	\$66,516,346
WASHINGTON	\$41,693,416	\$22,256,122	\$19,437,294
WEST VIRGINIA	\$40,197,268	\$32,416,774	\$7,780,493
WISCONSIN	\$17,338,719	\$4,402,425	\$12,936,295
WYOMING	\$2,276,161	\$5,000	\$2,271,161

U.S. GEOGRAPHICAL DISTRIBUTION  
OF NASA PRIME CONTRACT AWARDS  
Fiscal Year 2017

<b>GRAND TOTAL</b>		<b>\$14,145,445,067</b>	
Region & State	Total	Region & State	Total
<hr/>		<hr/>	
<b>NEW ENGLAND</b>	<b>\$247,734,800</b>	<b>PLAINS</b>	<b>\$73,631,261</b>
<hr/>		<hr/>	
Connecticut	28,899,679	Iowa	6,977,061
Maine	5,578,144	Kansas	1,780,889
Massachusetts	181,029,645	Minnesota	16,809,056
New Hampshire	26,901,967	Missouri	39,626,948
Rhode Island	3,994,425	Nebraska	1,734,103
Vermont	1,330,940	North Dakota	1,942,974
<hr/>		<hr/>	
<b>MID ATLANTIC</b>	<b>\$2,089,615,556</b>	<b>SOUTHWEST</b>	<b>\$1,364,140,104</b>
<hr/>		<hr/>	
Delaware	7,842,134	Arizona	162,935,451
Dist Columbia	115,450,400	New Mexico	60,326,522
Maryland	1,842,135,652	Oklahoma	18,984,809
New Jersey	21,753,380	Texas	1,121,893,321
New York	60,326,522	<hr/>	
Pennsylvania	42,107,467	<b>ROCKY MOUNTAIN</b>	<b>\$1,973,478,177</b>
<hr/>		<hr/>	
<b>SOUTHEAST</b>	<b>\$3,528,628,856</b>	Colorado	1,683,756,362
<hr/>		Idaho	4,741,239
Alabama	1,461,982,870	Montana	8,486,218
Arkansas	2,522,035	Utah	274,218,198
Florida	878,620,723	Wyoming	2,276,161
Georgia	19,574,163	<hr/>	
Kentucky	10,642,658	<b>FAR WEST</b>	<b>\$4,417,383,125</b>
Louisiana	2,495,786	<hr/>	
Mississippi	363,998,752	California	4,352,973,915
North Carolina	14,988,936	Nevada	6,938,667
South Carolina	6,799,198	Oregon	15,777,127
Tennessee	21,649,489	Washington	41,693,416
Virginia	705,156,979	<hr/>	
West Virginia	40,197,268	<b>ALASKA &amp; HAWAII</b>	<b>\$33,893,591</b>
<hr/>		<hr/>	
<b>GREAT LAKES</b>	<b>\$416,939,596</b>	Alaska	9,029,065
<hr/>		Hawaii	24,864,526
Illinois	26,910,516	<hr/>	
Indiana	150,446,424		
Michigan	35,402,023		
Ohio	186,841,915		
Wisconsin	17,338,719		

## XI. AWARDS PLACED OUTSIDE THE UNITED STATES

During Fiscal Year 2017, NASA placed \$346.5 million in awards that are being performed outside of the United States. These awards are being performed in 30 countries\*.

### Place of Performance

<u>Direct NASA Awards</u>	<u>\$346,472,796</u>
Australia	15,683,668
Austria	16,415
Bermuda	262,564
Brazil	170,000
Canada	8,242,216
China	48,750
Czech Republic	4,029
Denmark	45,515
France	2,658,723
Germany	413,159
Hungary	6,538
Israel	2,011,422
Korea (Republic of)	113,900
Netherlands	1,614,456
New Zealand	147,000
Norway	8,453,732
Peru	114,000
Portugal	5,560
Russian Federation	267,432,943
Spain	37,978,988
Sweden	240,858
Switzerland	308,186
Ukraine	17,097
United Kingdom	483,077

\* Does not include obligations of \$1,626,410 to Puerto Rico, \$1,486,913 to the Virgin Islands, or \$874,754 to Guam, all of which are U.S. territories.

## XII. PROCUREMENT ACTIVITY BY INSTALLATION

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

<u>Installation</u>	<u>Total (Millions)</u>	<u>Percent of Total</u>
<u>Total</u>	<u>\$18,331.1</u>	100%
Johnson Space Center	3,844.0	21%
Goddard Space Flight Center	3,677.5	20%
NASA Management Office*	2,559.4	15%
Kennedy Space Center	2,287.0	12%
Marshall Space Flight Center	2,284.1	12%
NASA Shared Services Center	1,577.9	9%
Ames Research Center	656.4	4%
Langley Research Center	443.7	2%
Glenn Research Center	350.2	2%
Headquarters	251.8	1%
Stennis Space Center	244.8	1%
Armstrong Flight Research Center	154.3	1%

\*Includes both the Jet Propulsion Laboratory & the Applied Physics Laboratory.  
Does not include 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)									
<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.

\*\*\*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)									
<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.

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

\*Less than 0.5 percent.

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

\*Less than 0.5 percent.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS  
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)									
<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>	<u>\$15,342.0</u>	<u>\$15,846.3</u>	<u>\$14,363.3</u>	<u>\$16,785.4</u>	<u>\$16,727.0</u>
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									
<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	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 - 2017

Type	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017		
Net Value of Awards (Millions)										
<u>Total</u>	<u>\$17,417.4</u>	<u>\$16,699.4</u>	<u>\$16,570.4</u>	<u>\$15,571.8</u>	<u>\$16,004.1</u>	<u>\$17,191.5</u>	<u>\$18,687.9</u>	<u>\$18,502.5</u>		
Business Firms	13,186.4	12,529.6	11,908.3	11,431.5	12,086.5	12,703.0	13,981.7	\$13,827.7		
Educational	1,035.3	941.4	1,100.5	968.2	1,024.0	906.5	893.6	\$880.2		
Nonprofit	660.1	601.7	1,139.9	643.6	661.0	878.1	967.9	\$924.5		
JPL	1,618.7	1,604.5	1,239.5	1,708.3	1,708.2	1,847.2	2,133.3	\$2,352.6		
Government	490.0	526.5	512.7	473.1	160.8	339.8	397.5	\$171.3		
Outside U.S.	426.9	495.7	669.5	347.1	363.6	517.0	313.9	\$346.2		
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>		
Business Firms	76	75	72	73	76	74	75	75		
Educational	6	6	7	6	5	5	5	5		
Nonprofit	4	4	7	5	5	5	5	5		
JPL	9	9	7	11	11	11	11	13		
Government	3	3	3	3	1	2	2	1		
Outside U.S.	2	3	4	2	2	3	2	2		

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  
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.

\*\*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)						
<u>Total Business</u>	<u>\$3,820.4</u>	<u>\$4,208.2</u>	<u>\$4,724.5</u>	<u>\$5,501.2</u>	<u>\$5,859.3</u>	<u>\$6,525.9</u>
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
<u>Competitive</u>	<u>2,858.1</u>	<u>3,127.7</u>	<u>3,436.5</u>	<u>3,845.3</u>	<u>4,286.6</u>	<u>5,030.2</u>
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
<u>Other Than</u>						
<u>Competitive</u>	<u>962.3</u>	<u>1,080.5</u>	<u>1,288.0</u>	<u>1,655.9</u>	<u>1,572.7</u>	<u>1,495.7</u>
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						
<u>Total Business</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
New Awards*	17	11	15	14	12	12
Modifications	83	89	85	86	88	88
<u>Competitive</u>	<u>75</u>	<u>74</u>	<u>72</u>	<u>70</u>	<u>73</u>	<u>77</u>
New Awards*	10	6	7	8	7	8
Modifications	65	68	65	62	66	69
<u>Other Than</u>						
<u>Competitive</u>	<u>25</u>	<u>26</u>	<u>28</u>	<u>30</u>	<u>27</u>	<u>23</u>
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)									
<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 0.5 percent.



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

Type of Action	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
	Net Value of Awards (Millions)									
<u>Total Available</u>	<u>\$10,064.4</u>	<u>\$10,004.8</u>	<u>\$9,696.2</u>	<u>\$9,635.0</u>	<u>\$9,626.9</u>	<u>\$9,690.6</u>	<u>\$10,124.5</u>	<u>\$10,393.3</u>	<u>\$9,630.8</u>	<u>\$12,201.9</u>
<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>	<u>5,998.7</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>	<u>6,088.5</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>	<u>114.8</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>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>	<u>49.2</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>	<u>49.9</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>	<u>0.9</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	*

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

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

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

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

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS  
FISCAL YEARS 2016 - 2017

Type of Action	FY 2016	FY 2017								
Net Value of Awards (Millions)										
<u>Total Available</u>	<u>\$17,273.9</u>	<u>\$17,274.9</u>								
<u>Competed</u>	<u>11,980.6</u>	<u>11,723.8</u>								
<u>Not Competed**</u>	<u>5,293.3</u>	<u>5,551.1</u>								
Percent of Total										
<u>Total Available</u>	<u>100</u>	<u>100</u>								
<u>Competed</u>	<u>69.4</u>	<u>69.4</u>								
<u>Not Competed</u>	<u>30.6</u>	<u>30.6</u>								

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 1977	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 1988	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  
FISCAL YEARS 1991 - 2017  
(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	FY 2005	FY 2007	FY 2007	FY 2008	FY 2009	FY 2010
<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>\$10,357.8</u>	<u>\$11,467.4</u>	<u>\$10,756.2</u>	<u>\$12,371.7</u>	<u>\$12,305.2</u>	<u>\$13,186.5</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>	<u>1,818.9</u>	<u>1,938.1</u>	<u>2,002.7</u>	<u>2,270.7</u>	<u>2,271.8</u>	<u>2,286.0</u>
% of Total	17.5	17.6	16.8	19.5	17.6	16.9	18.6	18.4	18.5	17.3
<u>Set-Asides</u>	<u>568.1</u>	<u>582.4</u>	<u>477.9</u>	<u>552.1</u>	<u>620.2</u>	<u>665.8</u>	<u>747.5</u>	<u>898.1</u>	<u>901.4</u>	<u>926.5</u>
% 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	FY 2016	FY 2017			
<u>Total Business</u>	<u>\$12,529.6</u>	<u>\$11,908.3</u>	<u>\$11,431.5</u>	<u>\$12,086.5</u>	<u>\$12,703</u>	<u>\$13,981.7</u>	<u>14,134.7</u>			
<u>Small Business</u>	<u>2,510.7</u>	<u>2,630.8</u>	<u>2,761.3</u>	<u>2,524.0</u>	<u>2,541.3</u>	<u>2,739.4</u>	<u>2,830.0</u>			
% of Total	20.0	22.1	24.2	20.9	20.0	19.6	20.0			
<u>Set-Asides</u>	<u>1,073.1</u>	<u>1,114.6</u>	<u>1,141.5</u>	<u>1,177.8</u>	<u>1,232.1</u>	<u>1,505.0</u>	<u>1,464.9</u>			
% of Total	8.6	9.4	10.0	9.7	9.7	10.8	10.4			
% of Small	42.7	42.4	41.3	46.7	48.5	54.9	51.8			

\*Excludes procurements placed under General Services Administration contracts.