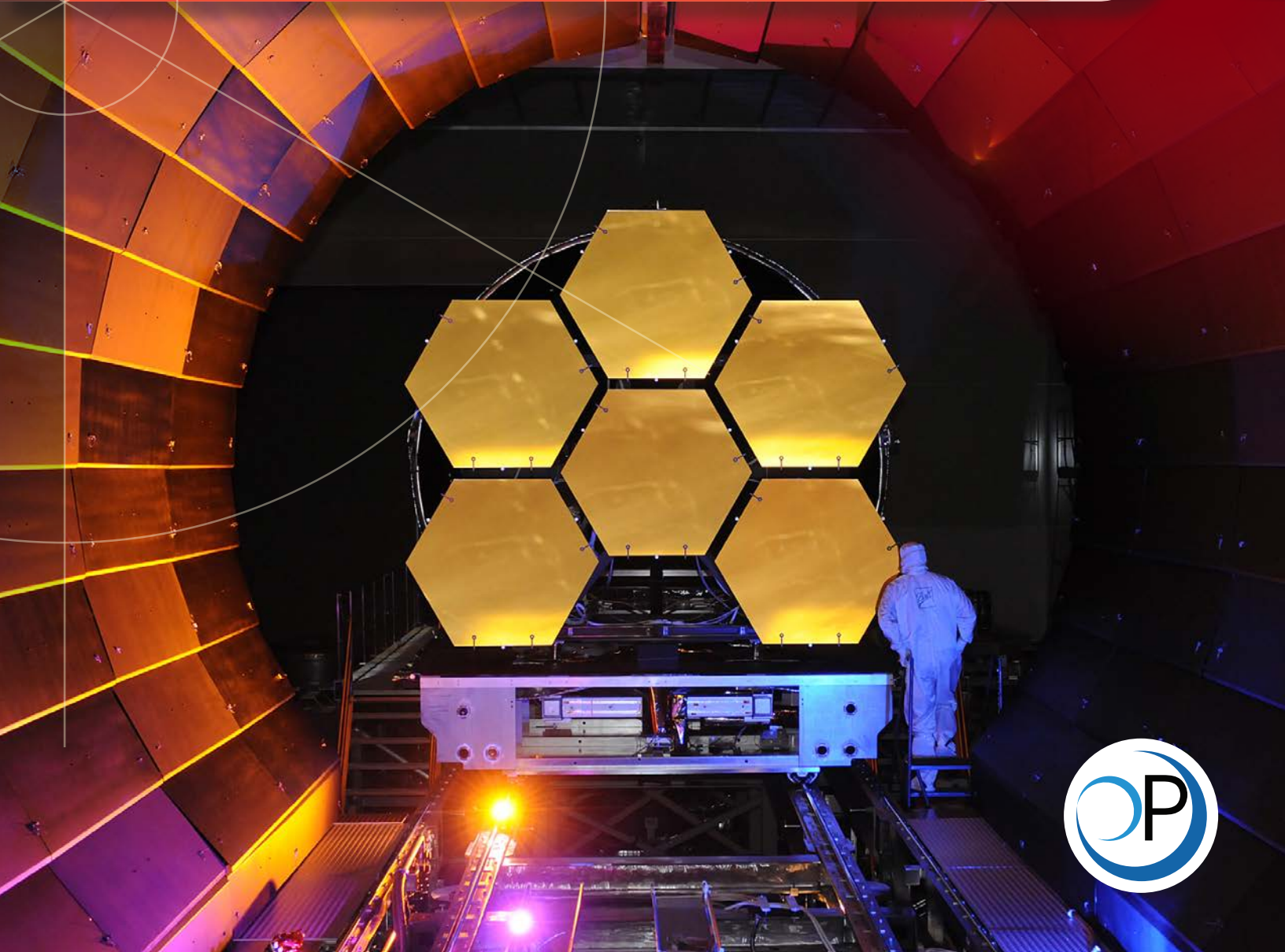


National Aeronautics and  
Space Administration



FISCAL YEAR **2021** ANNUAL  
**PROCUREMENT  
REPORT**





# WELCOME FROM THE ASSISTANT ADMINISTRATOR



**KARLA SMITH JACKSON**

The National Aeronautics and Space Administration (NASA) Office of Procurement is pleased to present the Fiscal Year 2021 Annual Procurement Report!

I am proud of the NASA acquisition workforce and the integral role we continue to play in contributing to the Agency's mission and operations. Just one example of Agency successes in FY21 is the launch of the James Webb Space Telescope, the largest space observatory and the most technically complex science mission NASA has ever built. The Office of Procurement's achievements herein embody NASA's core values of safety, integrity, teamwork, excellence, and inclusion.

As we continue our transformation journey, we discovered new paths and partnerships that strengthen our industrial base. Using diversity, equity, inclusion, and accessibility as a foundation, this year's engagement with industry, educational, and other external stakeholders advanced aerospace technology, scientific discovery, and our economic strength as a nation.

COVID-19 continues to impact our business processes and we have, in some cases, fundamentally changed the way we do business in a remote, virtual environment. Despite these challenges, the fiscal year 2021 data reflects NASA obligations of over \$19.2 billion and over 25,000 contact actions. Thanks to the NASA acquisition workforce, the Agency continues to make a difference both here and around the world as we inject innovation into the national economy. We continue to meet critical mission milestones, support global engagement, and achieve scientific breakthroughs.

NASA has a legacy to build upon and there is no better place to be as we look forward to reaching even greater heights next fiscal year, including the Artemis 1 mission. Currently scheduled to launch in Spring 2022, Artemis 1 will be the first integrated flight test of the unmanned Space Launch System rocket and Orion spacecraft to perform a multi-week mission around the Moon.

Please join me in celebrating the extraordinary contributions of the NASA acquisition workforce—to our nation and to the planet!

Sincerely,

A handwritten signature in black ink, appearing to read 'Karla Smith Jackson'.

**Karla Smith Jackson**

Senior Procurement Executive,  
Deputy Chief Acquisition Officer, and  
Assistant Administrator, NASA Office of Procurement

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# INTRODUCTION

This report presents summary data on all of NASA's procurement actions and detailed information on contracts and other procurements awarded by NASA during fiscal year (FY) 2021 using appropriated funds. All data was pulled from the Federal Procurement Data System (FPDS) with the exception of awards made through other Government agencies; that information 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 web site: <https://www.nasa.gov/office/procurement/information>. The report was prepared by the Office of Procurement, NASA Headquarters. Inquiries should be addressed in writing to:

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

# TOTAL PROCUREMENT

IN FISCAL YEAR 2021,

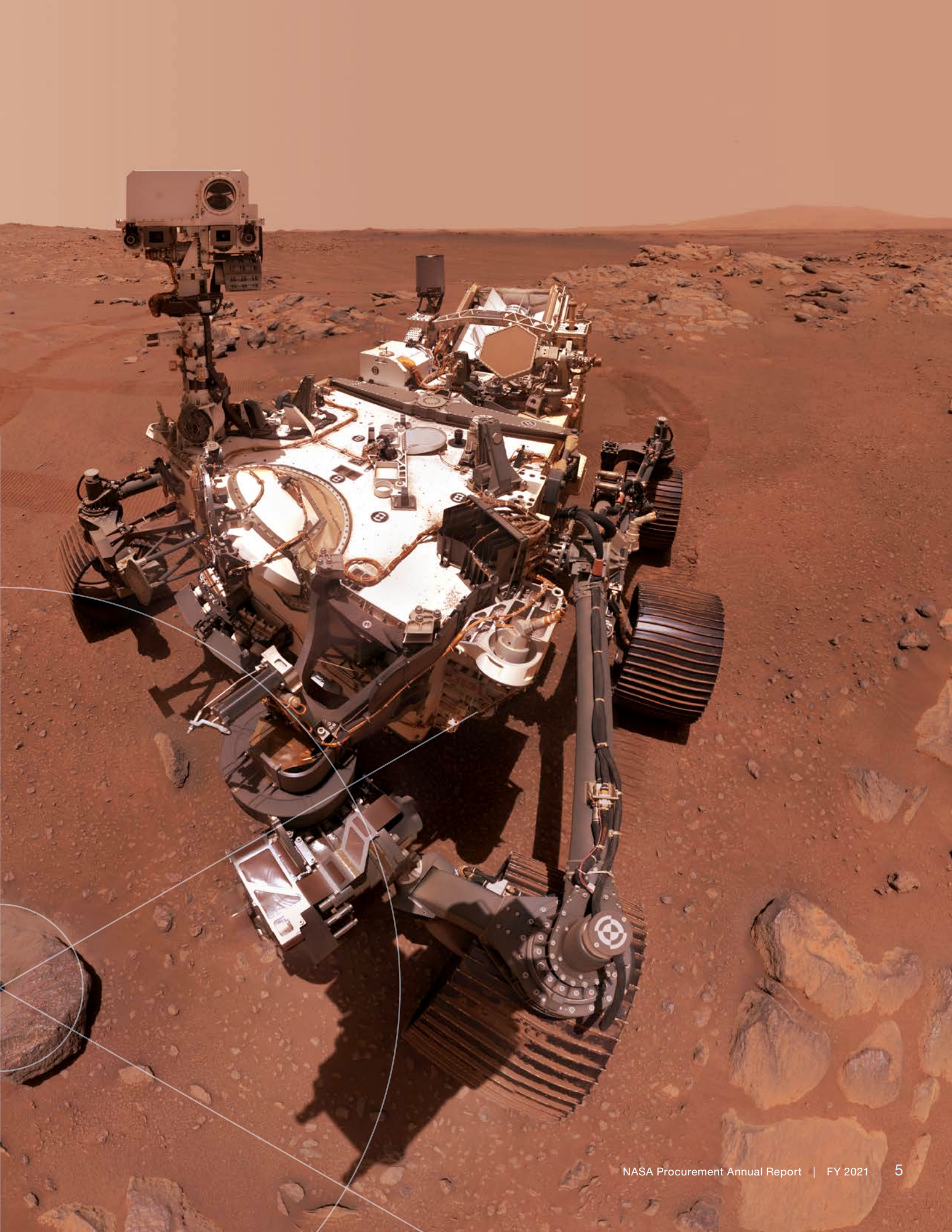
NASA's procurements totaled **\$19,288.6** million.

The number of procurement actions totaled **25,020**.

Trends in Procurement Obligations vs. Total NASA Obligations\*  
Fiscal Years 2016–21 (Millions of Dollars)

Fiscal Year	Total NASA Obligations	Procurement Obligations	
		Amount	% of Total Obligations
2021	\$25,239.9	\$19,288.6	76.4%
2020	\$25,270.9	\$19,679.2	78.0%
2019	\$23,970.8	\$19,514.4	81.4%
2018	\$23,374.8	\$19,196.7	82.1%
2017	\$22,678.2	\$18,502.5	81.6%
2016	\$22,527.0	\$18,687.9	83.0%

\*Total NASA obligations include salaries, benefits, and travel of NASA employees, as well as 40,835 purchase card transactions in the amount of \$54.58 million. Procurement obligations exclude Funded Space Act Agreements because they are handled outside of the Office of Procurement. They are not discussed in this report. Awards to other Government agencies are included in both totals above, but they are discussed only on page 25. They are not included in other charts and tables in this report.





# CATEGORY MANAGEMENT

**Category Management** is the business practice of buying common goods and services as an enterprise to eliminate redundancies, increase efficiency, and deliver more value and savings from the Government's acquisition programs. The Office of Management and Budget (OMB) sets annual, agency-specific goals for the Category Management key performance indicators (KPIs) as required to achieve the Government-wide KPI goals set by the President's Management Agenda.

The primary KPIs are Spend Under Management (SUM) and Best-in-Class (BIC). SUM is the percentage of an agency's spending obligated on agency-wide (Tier 1), multi-agency (Tier 2) or BIC (Tier 3) contracts. The BIC metric is a measure of an agency's spending obligated on BIC contracts. BIC refers to contracts available for use Government-wide that have been vetted by solution owners, agency users, and subject matter experts resulting in a designation as Best-in-Class by OMB. There are currently over 30 active BICs, including the NASA Solutions for Enterprise-Wide Procurement (SEWP) contract.

The use of agency-wide, multi-agency and BIC solutions saves agencies money and supports small business utilization, all while reducing duplicate contracts and streamlining the acquisition process—making it possible for agencies to focus more resources on high-priority mission work. The enterprise procurement strategies resulting from NASA OP's Mission Support Future Architecture Program transformation will enable NASA to continue to make positive strides in its Category Management performance.

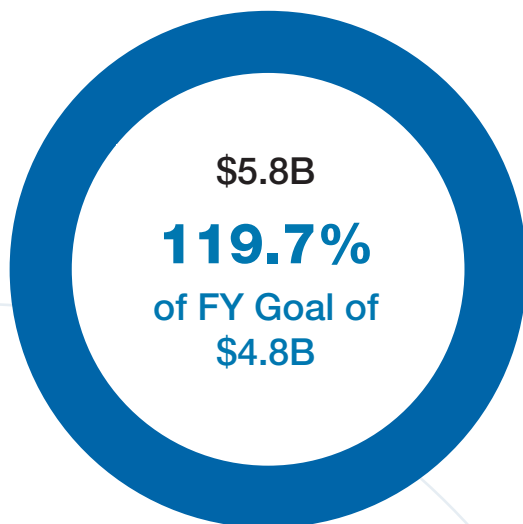
**Note to the reader:** All amounts and totals throughout this report are rounded.



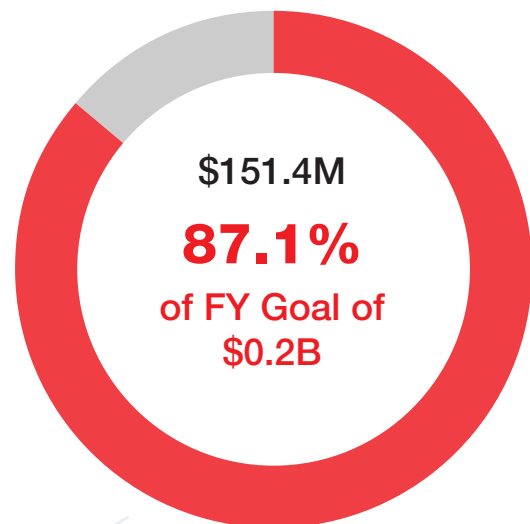


### FY21 Category Management Performance

#### Spend Under Management



#### BIC Obligation



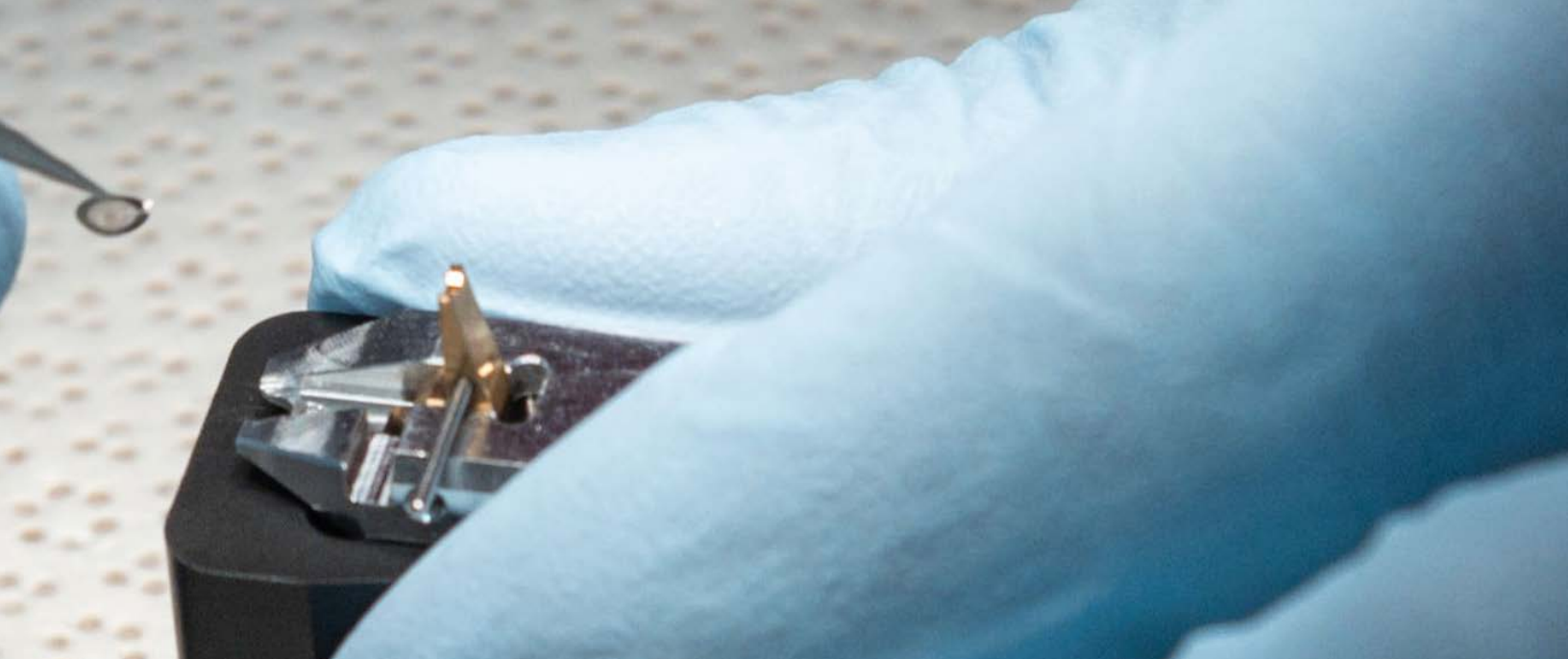
In FY 2021, NASA OP exceeded the goal set for SUM and achieved 87.1% of the BIC goal.

# AWARDS BY CONTRACTOR TYPE

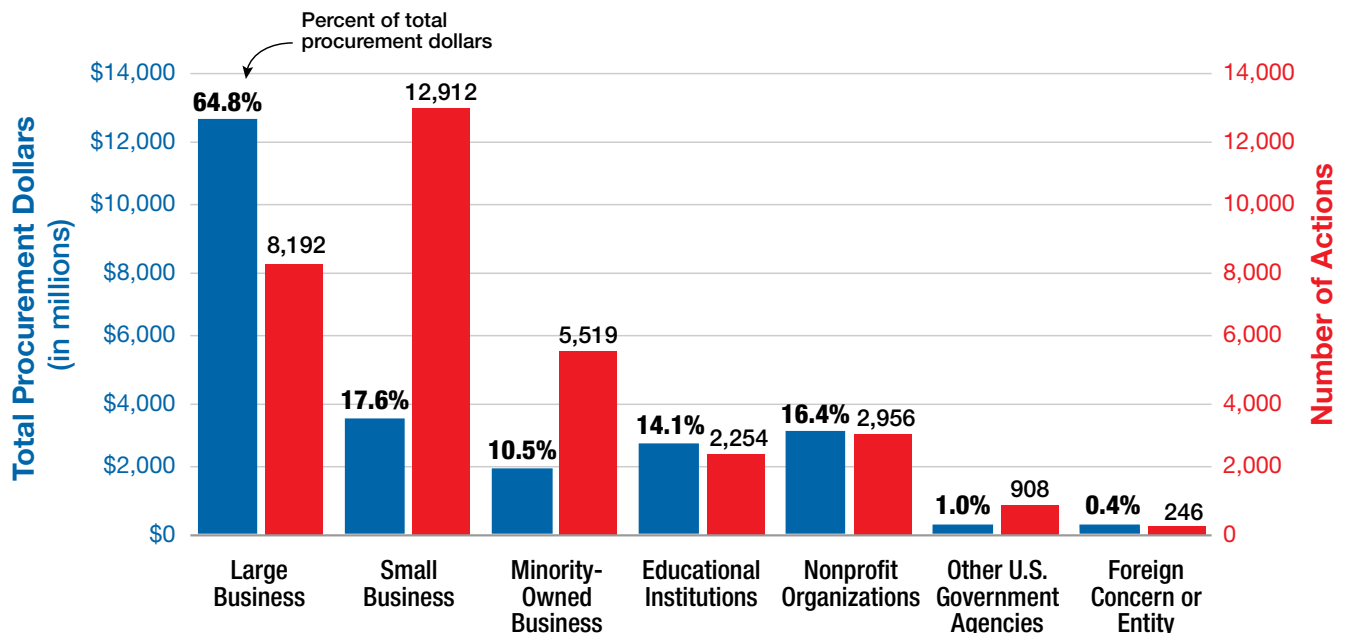
## Awards by Contractor Type for Fiscal Year 2021

A categorization of procurement dollars obligated by NASA and the number of actions is shown below.

Category	Value (Millions)	Percent of Total Procurement Dollars	Actions (Number of)
Large Business	\$12,498.7	64.80%	8,192
Small Business	\$3,401.2	17.63%	12,912
Minority-owned Businesses	\$2,025.5	10.50%	5,519
Educational Institutions	\$2,711.1	14.06%	2,254
Nonprofit Organizations	\$3,155.4	16.36%	2,956
Other U.S. Government Agencies	\$189.2	0.98%	908
Foreign Concern or Entity	\$75.8	0.39%	246



### Awards by Contractor Type for Fiscal Year 2021



# 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.

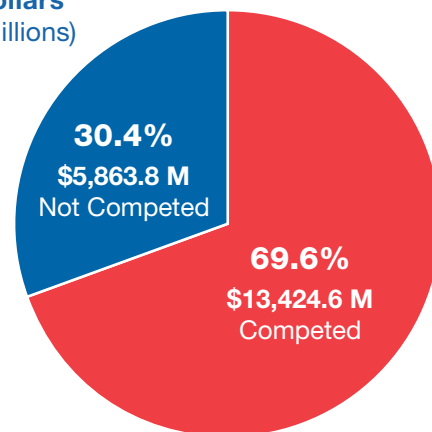
## B. Reporting of Competition

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 2021

Appendix II shows competition in NASA awards to business firms for all fiscal years beginning with 1961.

Dollars  
(Millions)



Total Competition	Value (Millions)	Percent of Total
Completed	\$13,424.6	69.6%
Not Completed*	\$5,863.8	30.4%
<b>Total</b>	<b>\$19,288.6</b>	<b>100%</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, instances where authorized or required by statute, national security, public interest, awards not available for competition, and follow-on awards. These data are pulled from the standard Government-wide FPDS Competition Report and do not include grants, cooperative agreements, and other items NASA includes in FPDS that other agencies do not.



Shown below are trends in the extent of competition in awards to business firms for fiscal years 2016–21.

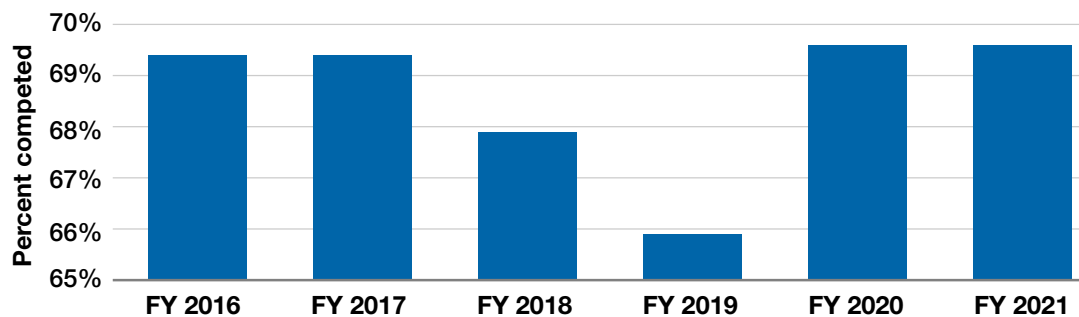
### Trends in Awards by Extent of Competition Fiscal Years 2016–21

NET VALUE OF AWARDS (MILLIONS)

Type of Action	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Competed	\$11,981	\$11,724	\$12,175	\$11,962	\$13,496.1	\$13,424.6
Not Competed	\$5,293	\$5,551	\$5,860	\$6,193	\$5,906.6	\$5,863.8
<b>Total</b>	<b>\$17,274</b>	<b>\$17,274</b>	<b>\$18,035</b>	<b>\$18,155</b>	<b>\$19,402.7</b>	<b>\$19,288.6</b>

PERCENT OF TOTAL

Type of Action	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Competed	69.4%	69.4%	67.9%	65.9%	69.6%	69.6%
Not Competed	30.6%	30.6%	32.1%	34.1%	30.4%	30.4%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>



# AWARDS BY CONTRACT TYPE

The table below depicts the trends in awards to business firms by contract type. The figure on the following page categorizes fiscal year 2021 awards of new contracts and modifications to existing contracts. Since FY 2007, NASA has seen steady growth in the use of fixed-price awards and a decrease in award-fee awards wherever possible.

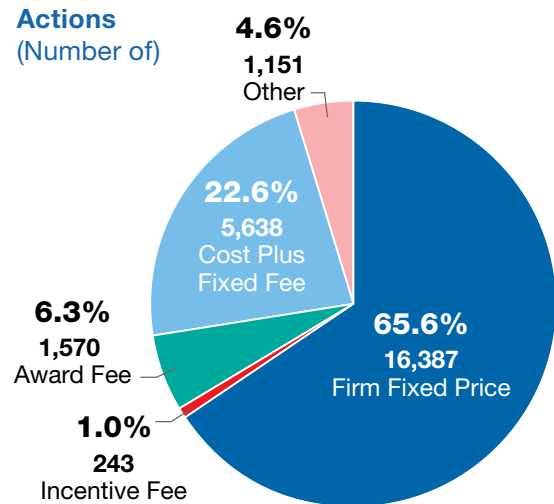
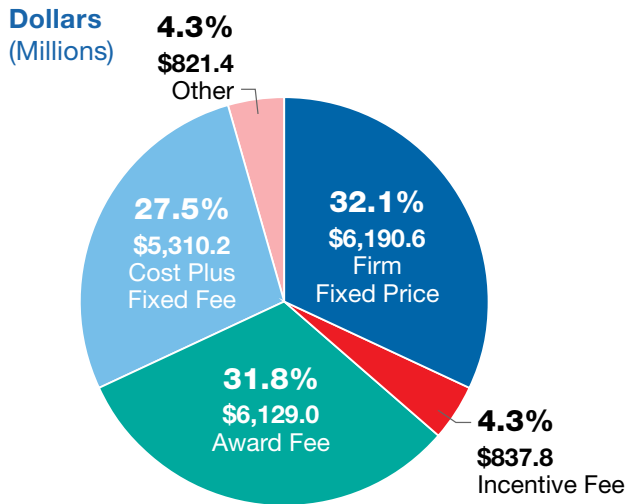
## Trends in Awards by Contract Type\* Fiscal Years 2016–21

PROCUREMENT DOLLARS (IN MILLIONS)

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Firm Fixed Price	\$5,062	\$4,928	\$5,040	\$4,955	\$5,458	\$6,191
Incentive Fee	\$295	\$233	\$310	\$381	\$512	\$838
Award Fee	\$6,938	\$6,760	\$6,817	\$6,723	\$6,337	\$6,129
Cost Plus Fixed Fee	\$3,963	\$2,072	\$1,997	\$2,225	\$2,537	\$5,310
Other	\$142	\$141	\$141	\$149	\$334	\$821
<b>Total Business</b>	<b>\$16,400</b>	<b>\$14,134</b>	<b>\$14,305</b>	<b>\$14,433</b>	<b>\$15,178</b>	<b>\$19,289</b>

PERCENT OF TOTAL DOLLARS

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Firm Fixed Price	31%	35%	35%	34%	36%	32%
Incentive Fee	2%	1%	2%	3%	3%	4%
Award Fee	42%	48%	48%	47%	42%	32%
Cost Plus Fixed Fee	24%	15%	14%	15%	17%	28%
Other	1%	1%	1%	1%	2%	4%
<b>Total Business</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>



Category	Amount (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Firm Fixed Price	\$6,190.6	32.1%	16,383	65.6%
FP Level of Effort	–	0.0%	4	0.0%
<b>Subtotal FFP</b>	<b>\$6,190.6</b>	<b>32.1%</b>	<b>16,387</b>	<b>65.6%</b>
Fixed Price Incentive Fee	\$80.3	0.4%	13	0.1%
Cost Plus Incentive Fee	\$757.4	3.9%	230	0.9%
<b>Subtotal Incentive Fee</b>	<b>\$837.8</b>	<b>4.3%</b>	<b>243</b>	<b>1.0%</b>
Cost Plus Award Fee	\$6,128.0	31.8%	1,566	6.3%
Fixed Price Award Fee	\$1.0	0.0%	4	0.0%
<b>Subtotal Award Fee</b>	<b>\$6,129.0</b>	<b>31.8%</b>	<b>1,570</b>	<b>6.3%</b>
<b>Cost Plus Fixed Fee</b>	<b>\$5,310.2</b>	<b>27.5%</b>	<b>5,638</b>	<b>22.6%</b>
<b>Other:</b>				
Combination	\$0.0	0.0%	1	0.0%
Cost No Fee	\$697.3	3.6%	492	2.0%
Cost Sharing	\$14.4	0.1%	25	0.1%
Fixed Price with Economic Price Adjustment	\$8.0	0.0%	179	0.7%
Labor Hours	\$0.1	0.0%	28	0.1%
Order Dependent	\$51.8	0.3%	123	0.5%
Time and Materials	\$49.9	0.3%	301	1.2%
Other (none of the above apply)	\$0.0	0.0%	1	0.0%
Blank*	–	0.0%	1	0.0%
<b>Subtotal Other:</b>	<b>\$821.4</b>	<b>4.3%</b>	<b>1,151</b>	<b>4.6%</b>
<b>Total</b>	<b>\$19,289.0</b>	<b>100.0%</b>	<b>24,989</b>	<b>100.0%</b>

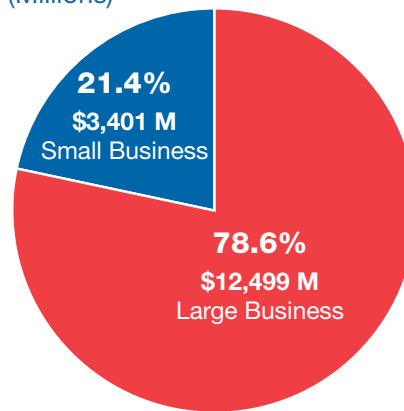
\* Contract type not required on BPA Calls, Grants, or Cooperative Agreements. Order Dependent applies to Indefinite Delivery Vehicles only. They allow pricing arrangements to be determined separately for each order.

# SMALL BUSINESS PARTICIPATION

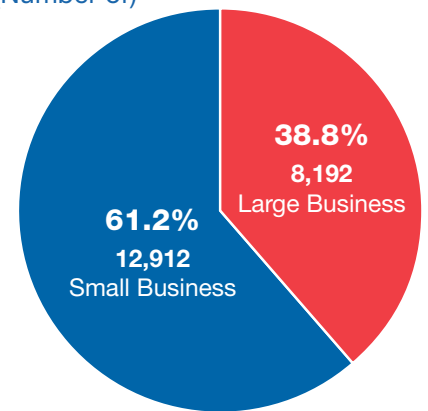
## Total Small Business

During fiscal year 2021, NASA awards to small business firms totaled \$3,401 million (below). The number of actions going to small business represents 61.2 percent of all business actions and 21.4 percent of all business dollars.

**Dollars**  
(Millions)



**Actions**  
(Number of)



Category	Amount (\$ Millions)	Percent of Total	Actions (Number of)	Percent of Total
Large Business	\$12,498.7	78.6%	8,192	38.8%
Small Business	\$3,401.4	21.4%	12,912	61.2%
<b>Total Business</b>	<b>\$15,899.9</b>	<b>100.0%</b>	<b>20,104</b>	<b>100.0%</b>





## Small Business Programs and Categories

**(1) Small Business Set-Asides.** Small business set-asides are defined as competitive awards that are limited only to small businesses. The small business set-aside program continues to exert a strong influence on the capability of small business firms to participate in the space program. In fiscal year 2021, these set-asides amounted to \$2,155.1 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 a sole-source basis. In FY 2021, 8(a) awards totaled \$704.9 million.

**(3) Small Business Innovation Research (SBIR).** The Small Business Innovation Research (SBIR) program is a highly competitive program that encourages domestic small businesses to engage in Federal Research/Research and Development (R/R&D) that has the potential for commercialization. During FY 2021, NASA awarded 528 SBIR contracts totaling \$194.2 million. Of this amount, 305 were Phase I totaling \$37.4 million, 146 Phase II totaling \$118.7 million, 70 were Phase III totaling \$28.5 million and 7 CCRPP totaling \$9.6 million. Also, in FY 2021, NASA funded ongoing Phase II and III contracts totaling \$28.7 million.

### **(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 FY 2021, NASA awarded 84 STTR contracts totaling \$41.8 million. Of this amount, 56 were Phase I totaling \$6.6 million, 27 Phase II totaling \$34.8 million and one Phase III totaling \$375,000. Also, in FY 2021, NASA funded ongoing Phase II and III contracts totaling \$500,000.

### **(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 FY 2021, Women-Owned Small Business firms received prime contract awards totaling \$776.2 million.

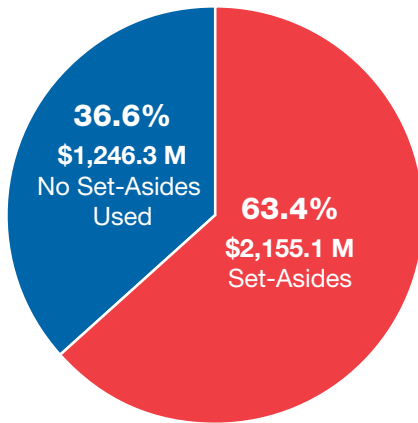
**(6) HUBZone Small Business Awards.** NASA awarded \$155.8 million to HUBZone Small Business concerns in FY 2021.

**(7) Veteran-Owned Small Business Awards.** In FY 2021, NASA awarded \$374.7 million to Veteran-Owned Small Businesses. Of this amount, \$302.4 million was awarded to Service-Disabled Veteran-Owned Small Businesses.

# EXTENT OF COMPETITION IN SMALL BUSINESS AWARDS

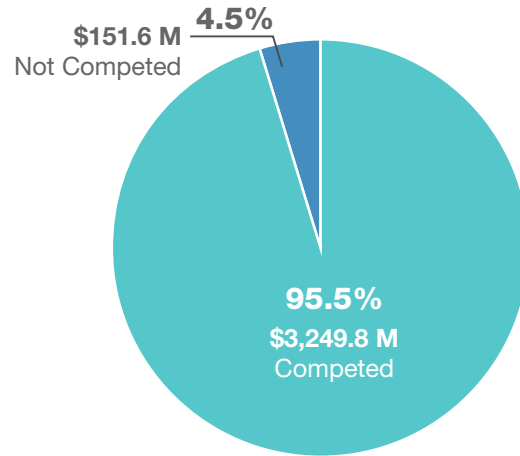
## Competition to Small Business Firms

Dollars  
(Millions)



Proportion of Small Business Set-Asides Used in FY 2021

Category	Amount (Millions)	Percent of Total
Set-Asides	\$2,155.1	63.4%
No Set-Asides Used	\$1,246.3	36.6%
<b>Total</b>	<b>\$3,401.4</b>	<b>100%</b>



Competition in Small Business Awards in FY 2021

Category	Amount (Millions)	Percent of Total
Competition	\$3,249.8	95.5%
Not Competed	\$151.6	4.5%
<b>Total</b>	<b>\$3,401.4</b>	<b>100%</b>

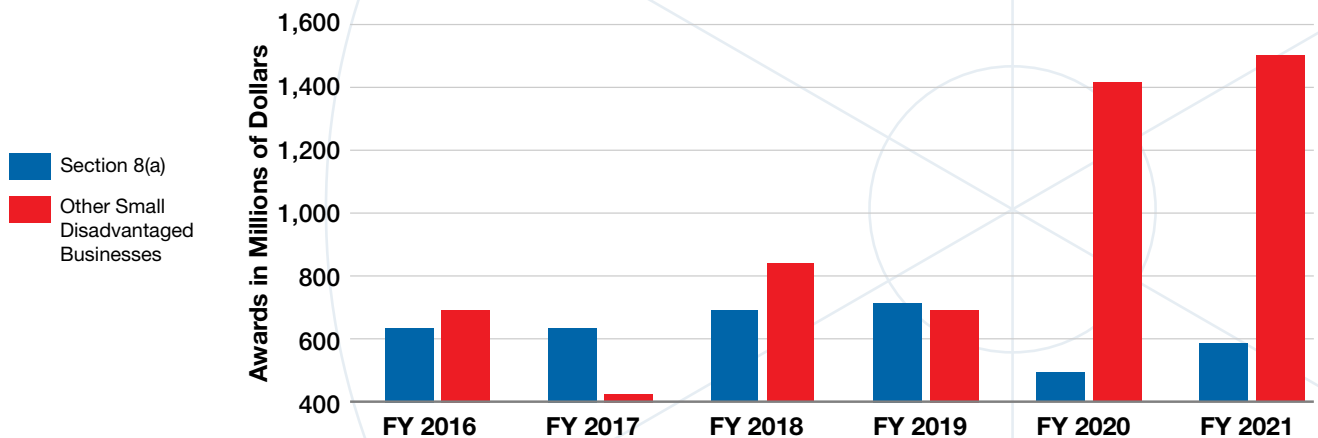


## Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during fiscal year 2021 totaled \$2,155.1 million. NASA is continuing its 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 Section 8(a) and Small Disadvantaged Business Awards, Fiscal Years 2016–21**  
(Millions of Dollars)

Type of Award	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Section 8(a)	\$620.9	\$621.5	\$684.9	\$698.0	\$491.0	\$579.1
Other Small Disadv. Business	\$649.3	\$415.3	\$818.7	\$685.9	\$1,414.5	\$1,576.0
<b>Total</b>	<b>\$1,270.2</b>	<b>\$1,036.8</b>	<b>\$1,503.6</b>	<b>\$1,383.9</b>	<b>\$1,905.5</b>	<b>\$2,155.1</b>

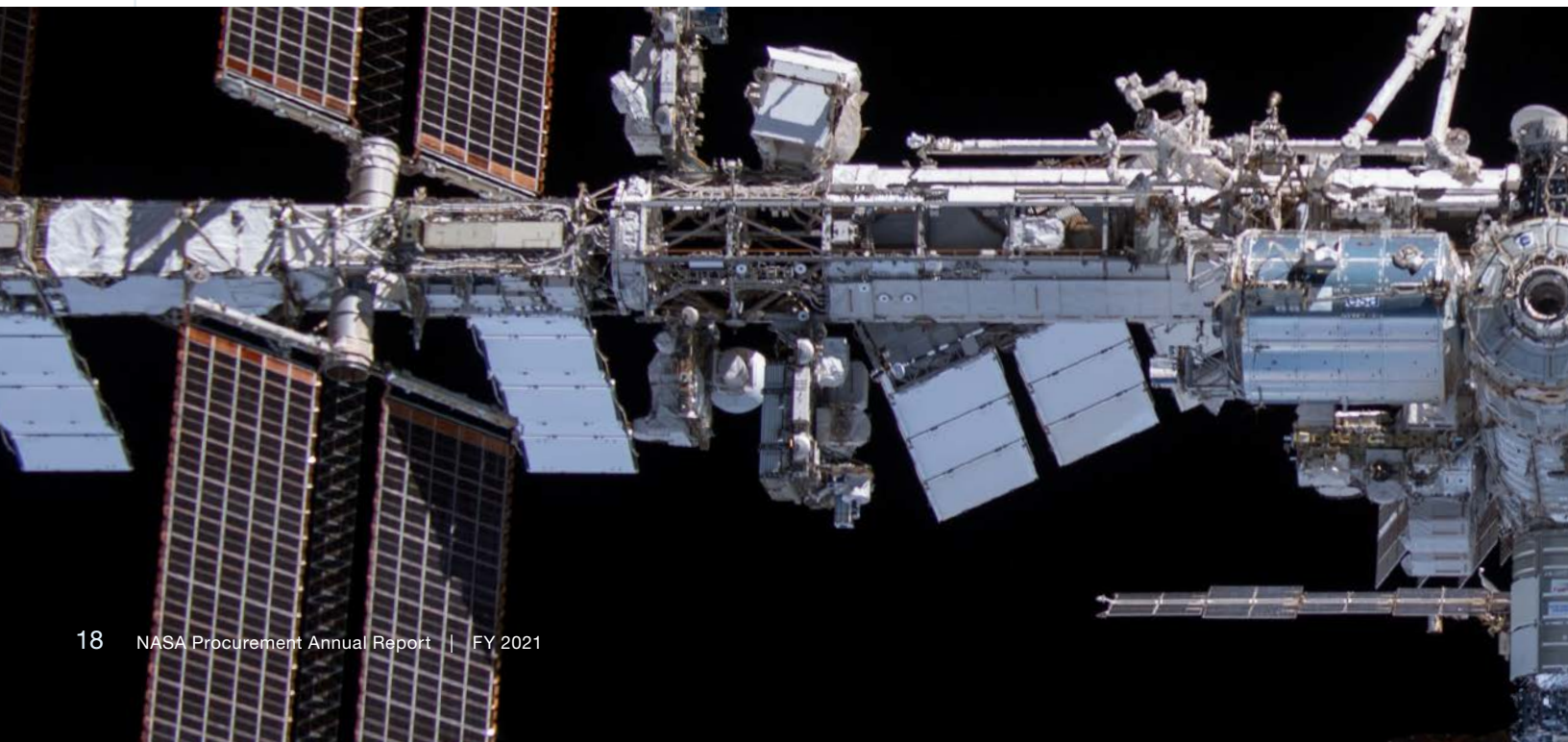


# TOP 25 PRINCIPAL CONTRACTORS (BUSINESS FIRMS)

The 25 contractors that received the largest dollar value of NASA direct awards to business firms during FY 2021 are shown below in alphabetical order.

## 25 Contractors (Business Firms) Receiving the Largest NASA Direct Awards Fiscal Year 2021

Aerojet Rocketdyne, Inc.	Northrop Grumman
Analytical Mechanics Associates, Inc.	Peraton Inc.
ASRC	Raytheon Company
Astrobotic Technology, Inc.	Science Applications International Corporation
ATA Aerospace, LLC	Science Systems and Applications, INC.
Ball Aerospace & Technologies Corp.	SGT, LLC
Blue Origin Federation, LLC	Space Exploration Technologies Corp.
Dynetics, Inc.	Space Systems/Loral, LLC
Jacobs Technology Inc.	Syncom Space Services LLC
KBR	The Boeing Company
L3Harris	United Launch Services, LLC
Leidos, Inc.	ZIN Technologies, Inc.
Lockheed Martin Corporation	

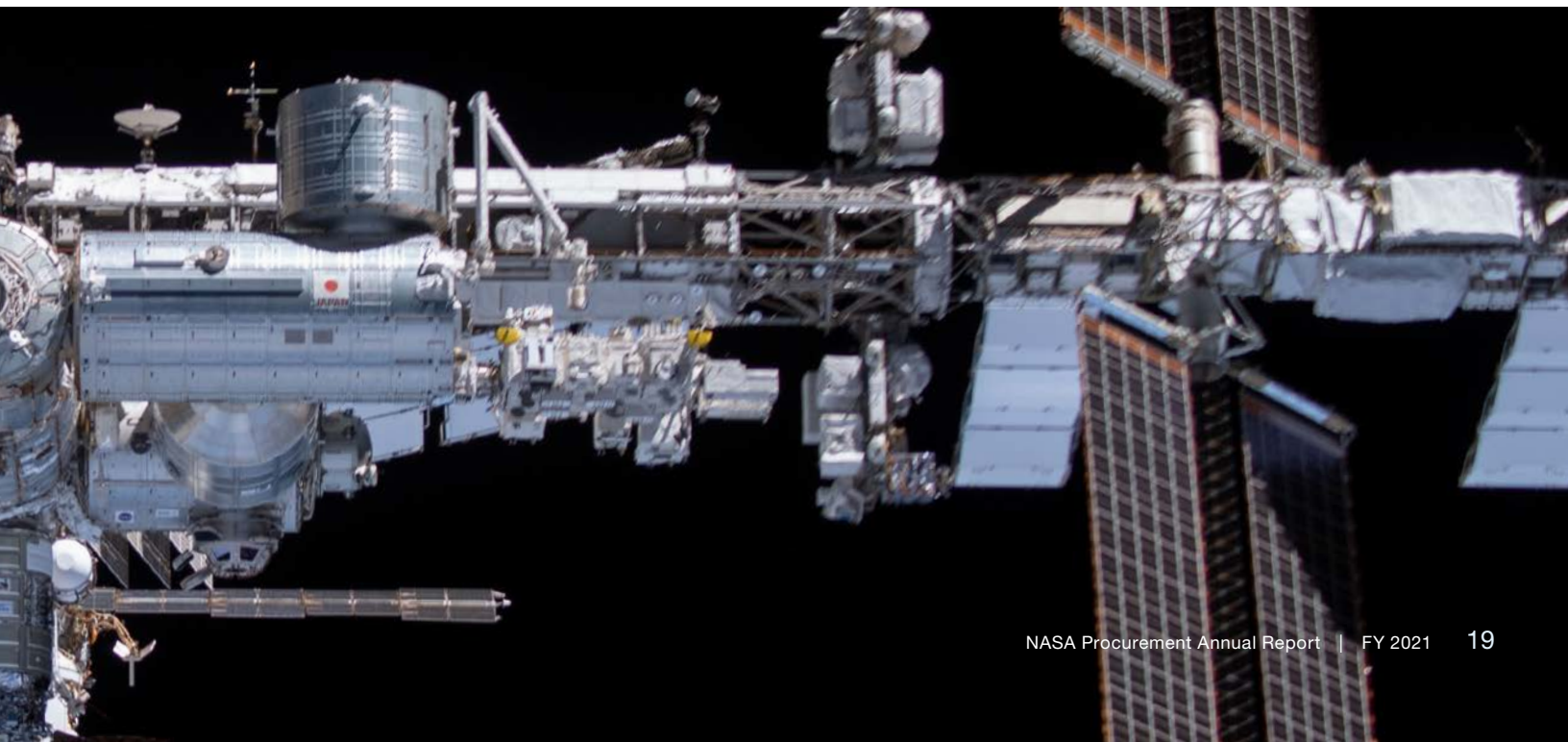


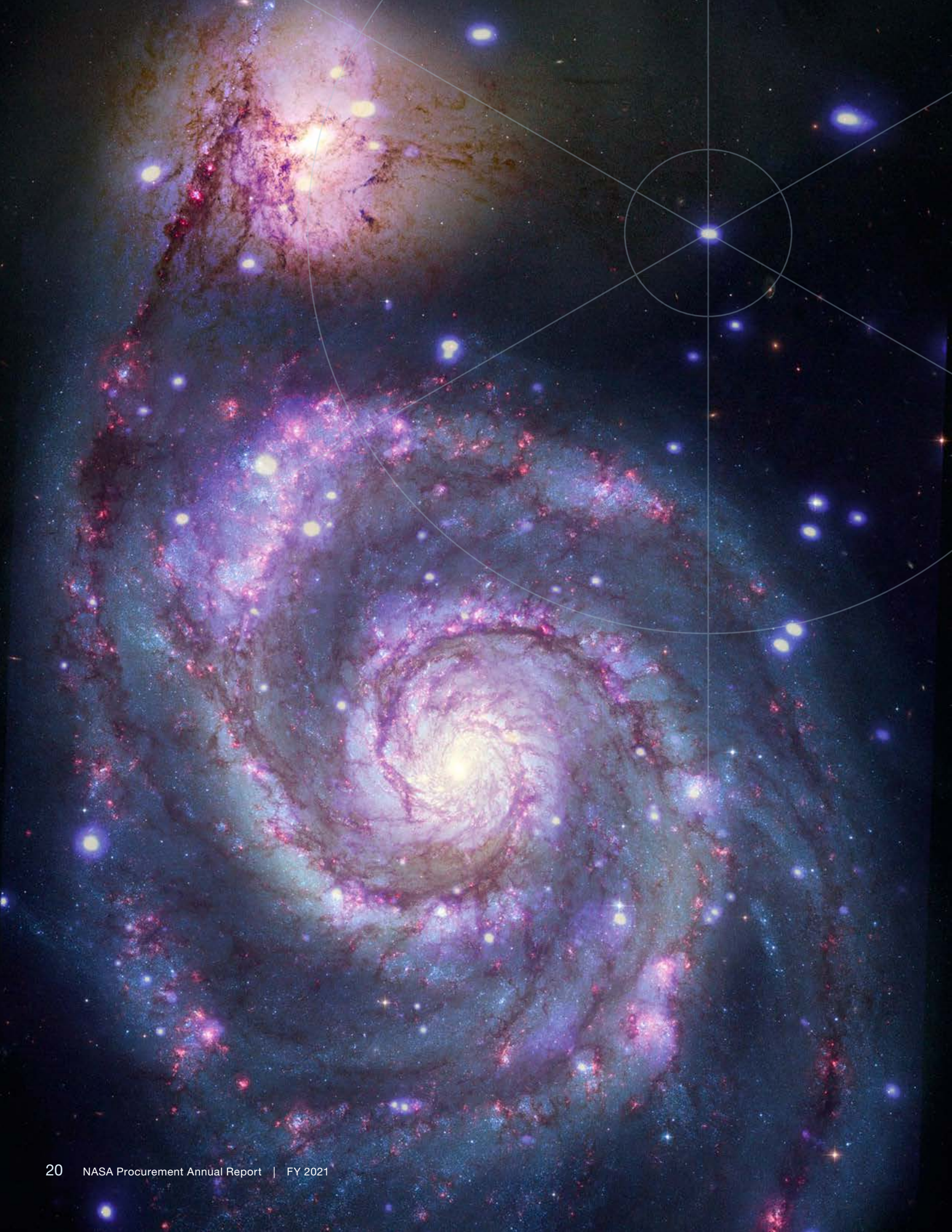
# TOP 25 PRINCIPAL EDUCATIONAL AND NONPROFIT INSTITUTIONS

The 25 educational and nonprofit institutions that received the largest dollar value of NASA awards during fiscal year 2021 are shown below in alphabetical order.

## 25 Educational and Nonprofit Institutions Receiving the Largest Amounts Fiscal Year 2021

Arizona State University	Smithsonian Institution
Assoc Univ Research Astronomy	Southwest Research Institute
Association of Universities for Research in Astronomy Incorporated	The Aerospace Corporation
Brevard Achievement Center, Inc.	Trustees of Princeton University, The
California Institute of Technology	Universities Space Research Association
Johns Hopkins University, The	University of Alabama at Birmingham
Massachusetts Institute of Technology	University of Alaska Fairbanks
Melwood Horticultural Training Center, Inc.	University of Arizona
National Institute of Aerospace Associates	University of Hawaii Systems
Regents of the University of California, The	University of Iowa, The
Regents of the University of Colorado, The	University of Oklahoma
Regents of the University of Michigan	University System of New Hampshire
	Utah State University Research Foundation





# AWARDS BY TYPE OF EFFORT

During fiscal year 2021, \$19,289 million was awarded in categories of research and development, services, and supplies and equipment. A breakout of these awards by category is shown below. Not included are purchases less than the micropurchase threshold.

PSC Category	Actions	Percent of Total Actions	Dollars	Percent of Total Dollars	
Products	1	1,085	4.34%	\$1,693,231,161	8.78%
	2	55	0.22%	\$18,391,259	0.10%
	3	117	0.47%	\$8,229,637	0.04%
	4	113	0.45%	\$4,163,811	0.02%
	5	282	1.13%	\$25,345,097	0.13%
	6	897	3.59%	\$225,897,548	1.17%
	7	955	3.82%	\$22,909,680	0.12%
	8	11	0.04%	\$759,728	0.00%
	9	484	1.93%	\$59,838,009	0.31%
R&D	A	8,484	33.91%	\$10,182,102,843	52.79%
	B	269	1.08%	\$109,911,077	0.57%
	C	638	2.55%	\$154,783,447	0.80%
	D	984	3.93%	\$860,305,973	4.46%
	E	3	0.01%	\$52,478	0.00%
	F	151	0.60%	\$29,135,467	0.15%
	G	7	0.03%	\$95,847	0.00%
	H	298	1.19%	\$22,826,661	0.12%
	J	551	2.20%	\$108,988,025	0.57%
	K	63	0.25%	\$8,380,027	0.04%
	L	11	0.04%	\$511,228	0.00%
	M	388	1.55%	\$345,470,383	1.79%
	N	44	0.18%	\$2,734,220	0.01%
	P	21	0.08%	\$602,247	0.00%
	Q	87	0.35%	\$8,487,737	0.04%
	R	4,306	17.21%	\$2,619,624,884	13.58%
	S	748	2.99%	\$290,282,376	1.50%
	T	49	0.20%	\$949,290	0.00%
	U	223	0.89%	\$16,914,743	0.09%
	V	306	1.22%	\$1,770,289,518	9.18%
W	37	0.15%	\$481,999	0.00%	
X	11	0.04%	\$709,201	0.00%	
Y	786	3.14%	\$153,677,339	0.80%	
Z	707	2.83%	\$259,343,993	1.34%	
No Category Specified	1,849	7.39%	\$283,158,120	1.47%	
<b>Total</b>	<b>25,020</b>	<b>100.00%</b>	<b>\$19,288,585,052</b>	<b>100.00%</b>	

# 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 JPL obligations during fiscal year 2021 amounted to \$2,402.2 million. Of this amount, JPL awarded \$1,151.9 million as subcontracts with business firms.

## U.S. GEOGRAPHICAL DISTRIBUTION OF AWARDS

In fiscal year 2021, 50 states and the District of Columbia participated in NASA's direct awards. The categorization of NASA procurements by state is based on the location where the items are to be produced or supplied from stock, where the services will be performed, or, with respect to construction contracts, the construction site. This table excludes awards outside the United States and awards that, for a number of reasons, may not have a place of performance listed.



**U.S. Geographical Distribution of NASA Prime Contract Awards  
Listed in Descending Order of Total Dollars  
Fiscal Year 2021**

<b>Place of Performance State</b>	<b>Actions</b>	<b>Total Dollars</b>	<b>Place of Performance State</b>	<b>Actions</b>	<b>Total Dollars</b>
California	5,217	\$4,377,700,784.22	Oklahoma	20	\$13,283,210.00
Alabama	1,190	\$1,972,346,847.72	North Carolina	137	\$9,327,893.18
Maryland	1,792	\$1,604,507,993.14	Illinois	194	\$8,965,377.48
Texas	1,455	\$1,316,501,006.54	Oregon	84	\$8,941,836.91
Florida	1,710	\$1,257,313,438.84	Minnesota	108	\$8,821,280.11
Colorado	708	\$1,129,239,383.19	Kansas	60	\$8,353,115.02
Virginia	2,533	\$1,080,128,533.92	Delaware	54	\$7,735,695.02
Mississippi	686	\$304,416,336.86	Iowa	17	\$7,473,322.43
Washington	144	\$303,296,424.01	Maine	24	\$7,059,614.53
Arizona	264	\$211,593,849.81	Kentucky	62	\$6,067,325.38
Ohio	1,293	\$210,196,413.01	Tennessee	88	\$5,904,234.13
Utah	124	\$200,697,009.05	Wisconsin	44	\$5,109,327.64
Massachusetts	560	\$140,338,872.14	Georgia	102	\$5,052,565.55
Pennsylvania	360	\$132,829,204.86	Nevada	44	\$3,699,166.96
New York	374	\$111,928,765.57	Rhode Island	6	\$3,065,036.61
District of Columbia	585	\$98,798,563.51	Montana	43	\$2,063,395.96
Indiana	171	\$85,009,127.47	South Dakota	23	\$1,452,333.12
West Virginia	95	\$46,788,903.89	Nebraska	16	\$1,349,252.58
New Jersey	202	\$29,962,006.42	Vermont	16	\$1,297,233.39
Connecticut	259	\$29,184,570.65	South Carolina	25	\$1,095,517.51
Louisiana	50	\$28,394,524.64	Arkansas	10	\$918,437.00
New Mexico	123	\$22,328,178.49	Hawaii	15	\$552,349.99
Missouri	108	\$19,254,030.91	Idaho	6	\$502,022.00
Michigan	181	\$14,324,733.99	Wyoming	8	\$147,675.00
New Hampshire	154	\$13,958,898.76	North Dakota	1	\$0.00
Alaska	16	\$13,481,914.03	<b>Total</b>	<b>21,561</b>	<b>\$14,872,757,533.14</b>

# AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During FY 2021, \$210.2 million was awarded through other Government agencies. The following table shows the distribution of these awards by agency.

Agency	Total	Percent of Total
Navy	\$34,068,662.12	16.21%
Department of Defense	\$31,627,927.90	15.05%
Army	\$28,687,568.48	13.65%
Department of Energy	\$24,103,797.82	11.47%
Other Government Agencies	\$22,727,939.84	10.81%
Air Force	\$19,285,616.78	9.18%
Federal Highway Administration	\$15,097,430.76	7.18%
U.S. Geological Survey	\$14,093,325.34	6.71%
General Services Administration	\$10,530,947.49	5.01%
National Institute of Standards and Technology	\$3,550,037.54	1.69%
National Oceanic and Atmospheric Administration	\$2,985,587.94	1.42%
National Science Foundation	\$2,623,393.00	1.25%
Department of Commerce	\$329,442.00	0.16%
Agricultural Research Service	\$259,163.67	0.12%
Environmental Protection Agency	\$203,609.00	0.10%
Federal Aviation Administration	\$12,154.63	0.01%
<b>Total</b>	<b>\$210,186,604.31</b>	<b>100.00%</b>



# AWARDS PLACED OUTSIDE THE UNITED STATES

During fiscal year 2021, NASA placed \$75.6 million in awards whose work is being performed outside the United States. This work is being performed in 29 countries.

	Place of Performance	Total Actions	Amount in Dollars
	Australia	18	\$4,663,744
	Belgium	1	\$21,950
	Brazil	3	\$276,393
	Canada	71	\$4,162,216
	Denmark	7	\$124,632
	Finland	3	\$369,050
	France	3	\$278,969
	French Polynesia	1	\$23,650
	Germany	19	\$2,857,156
	Guinea-Bissau	3	\$29,609
	Iceland	1	\$28,800
	Ireland	1	\$18,264
	Italy	1	\$500
	Japan	1	\$5,000
	Korea, South	1	\$47,000
	Luxembourg	1	\$5,000
	Netherlands	10	\$22,226,411
	New Zealand	1	\$109,371
	Oman	3	\$2,500,000
	Peru	4	\$153,912
	Portugal	2	\$37,865
	Russia	20	\$18,232,598
	Slovenia	1	\$10,346
	Spain	17	\$12,388,265
	Swaziland	2	\$4,978,000
	Sweden	3	\$115,030
	Switzerland	4	\$135,000
	Taiwan	1	\$37,400
	United Kingdom	39	\$1,773,805
	<b>Total</b>	<b>242</b>	<b>\$75,609,936</b>



# PROCUREMENT ACTIVITY BY INSTALLATION

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

Installation	Dollars (Millions)	Percent of Total	Number of Actions	Percent of Total
Ames Research Center	\$511.5	2.7%	1,090	4.4%
Armstrong Flight Research Center	\$252.1	1.3%	598	2.4%
Glenn Research Center	\$591.9	3.1%	1,545	6.2%
Goddard Space Flight Center	\$3,152.3	16.3%	3,092	12.4%
Headquarters	\$317.2	1.6%	1,119	4.5%
IT Procurement Office	\$198.6	1.0%	575	2.3%
Johnson Space Center	\$4,570.4	23.7%	2,413	9.6%
Kennedy Space Center	\$1,700.7	8.8%	1,798	7.2%
Langley Research Center	\$520.8	2.7%	1,312	5.2%
Marshall Space Flight Center	\$4,029.6	20.9%	2,030	8.1%
NASA Management Office	\$2,336.7	12.1%	2,061	8.2%
NASA Shared Services Center	\$871.9	4.5%	6,808	27.2%
Stennis Space Center	\$235.3	1.2%	588	2.3%
<b>Total</b>	<b>\$19,289.0</b>	<b>100.0%</b>	<b>25,029</b>	<b>100.0%</b>

Does not include Intragovernmentals.

Includes both the Jet Propulsion Laboratory and the Applied Physics Laboratory.

# GLOSSARY

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

1. **Sealed Bids:** Procurement actions resulting from acceptance of bids made by contractors in response to invitations for bid.
2. **Award:** See procurement action.
3. **Coverage:**
  - a. Summary data are provided in terms of obligations on all procurement actions (see item 8). The obligation data are obtained from the Federal Procurement Data System (FPDS-NG).
  - b. Detailed data: Information on procurements includes all contracts, grants, and cooperative agreements. Wherever exclusions apply, a generalized footnote is provided.
4. **Intragovernmental:** Procurement actions placed through other Government agencies, except orders placed under Federal Supply Schedule contracts and awards to small disadvantaged businesses through the Small Business Administration (SBA) 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 the following:
  - 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. 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. 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 3-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

## Appendix I

### Distribution of Direct NASA Procurements Fiscal Years 1961–77

Type	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
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
Educational	24.5 <sup>‡</sup>	50.2 <sup>‡</sup>	86.9	112.9	139.5	150.0	132.9	131.5	131.3
Nonprofit			15.3	29.1	25.3	27.7	39.6	33.6	32.3
JPL	86.0	148.5	230.2	226.2	247.2	230.3	222.2	207.2	156.3
Government	221.7	321.8	628.5	692.6	622.8	512.5	366.9	287.0	279.0
Outside U.S.	*	*	7.9	12.0	11.2	23.4	25.2	26.7	30.8
<b>Total</b>	<b>\$755.5</b>	<b>\$1,550.6</b>	<b>\$3,230.5</b>	<b>\$4,593.9</b>	<b>\$5,187.4</b>	<b>\$5,031.6</b>	<b>\$4,650.9</b>	<b>\$4,132.7</b>	<b>\$3,652.0</b>

#### PERCENT OF TOTAL

Business Firms	56	66	70	77	79	81	83	83	83
Educational	3 <sup>‡</sup>	3 <sup>‡</sup>	3	2	3	3	3	3	4
Nonprofit			†	1	1	1	1	1	1
JPL	12	10	7	5	5	5	5	5	4
Government	29	21	20	15	12	10	8	7	7
Outside U.S.	*	*	†	†	†	†	†	1	1
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* Included in Government; † Less than 0.5 percent; ‡ Combined total of Educational and Nonprofit values.

Type	FY 1970	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 1977 <sup>†</sup>	FY 1977
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
Business Firms	2,759.2	2,279.5	2,143.3	2,063.8	2,118.6	2,255.0	2,536.1	663.2	2,838.1
Educational	134.3	133.9	118.8	111.7	97.8	111.4	123.0	27.7	125.5
Nonprofit	33.0	29.3	28.0	26.4	39.3	33.0	32.0	7.6	32.0
JPL	179.8	173.3	210.8	202.3	215.2	234.5	263.7	63.6	289.0
Government	265.8	212.5	207.8	235.2	208.6	198.3	222.4	63.9	223.2
Outside U.S.	33.5	29.7	29.1	34.0	34.1	34.2	27.4	3.8	24.5
<b>Total</b>	<b>\$3,405.6</b>	<b>\$2,858.2</b>	<b>\$2,737.8</b>	<b>\$2,673.4</b>	<b>\$2,713.6</b>	<b>\$2,866.4</b>	<b>\$3,204.6</b>	<b>\$829.8</b>	<b>\$3,532.3</b>

#### PERCENT OF TOTAL

Business Firms	81	80	78	77	78	79	79	80	80
Educational	4	5	4	4	4	4	4	3	4
Nonprofit	1	1	1	1	1	1	1	1	1
JPL	5	6	8	8	8	8	8	8	8
Government	8	7	8	9	8	7	7	8	6
Outside U.S.	1	1	1	1	1	1	1	*	1
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* Less than 0.5 percent.

† FY 1977T represents the transition from a June–July fiscal year to the October–September fiscal year.

## Distribution of Direct NASA Procurements Fiscal Years 1978–95

Type	FY 1978	FY 1979	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
Business Firms	2,953.8	3,416.4	3,868.3	4,272.8	4,805.6	5,586.0	5,967.4	6,652.9	6,356.0
Educational	137.2	147.2	177.0	192.5	187.0	211.3	222.6	256.9	276.6
Nonprofit	42.8	50.8	82.2	155.1	108.8	102.5	98.6	103.1	119.0
JPL	283.8	338.6	397.2	410.8	426.3	454.9	533.1	724.6	891.3
Government	216.0	221.4	271.8	321.9	308.1	394.2	494.3	525.1	489.7
Outside U.S.	26.0	37.4	46.1	55.2	47.9	47.9	38.1	35.4	47.1
<b>Total</b>	<b>\$3,659.6</b>	<b>\$4,211.8</b>	<b>\$4,842.6</b>	<b>\$5,408.3</b>	<b>\$5,883.7</b>	<b>\$6,796.8</b>	<b>\$7,354.1</b>	<b>\$8,298.0</b>	<b>\$8,179.7</b>

### PERCENT OF TOTAL

Business Firms	81	81	80	79	82	82	81	80	78
Educational	4	4	3	3	3	3	3	3	3
Nonprofit	1	1	2	3	2	1	1	1	1
JPL	8	8	8	8	7	7	7	9	11
Government	5	5	6	6	5	6	7	6	6
Outside U.S.	1	1	1	1	1	1	1	1	1
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* Less than 0.5 percent.

Type	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
Business Firms	6,540.5	7,274.9	8,567.6	10,071.5	10,417.3	10,716.7	10,497.9	9,965.7	10,311.5
Educational	315.4	370.3	464.2	513.6	592.0	659.3	707.8	730.9	814.4
Nonprofit	119.1	129.5	180.0	200.6	244.0	297.8	336.6	311.0	311.1
JPL	1,005.6	979.9	1,058.1	1,106.8	1,139.6	1,229.6	1,029.8	1,093.4	1,135.0
Government	594.9	734.6	543.2	610.4	693.4	498.6	508.4	642.6	562.7
Outside U.S.	34.3	55.9	63.3	62.3	72.7	76.2	79.9	169.5	206.7
<b>Total</b>	<b>\$8,609.8</b>	<b>\$9,545.1</b>	<b>\$10,876.4</b>	<b>\$12,565.2</b>	<b>\$13,159.0</b>	<b>\$13,478.2</b>	<b>\$13,160.4</b>	<b>\$12,913.1</b>	<b>\$13,341.4</b>

### PERCENT OF TOTAL

Business Firms		76	76	79	79	79	80	77	77
Educational		4	4	4	4	5	5	6	6
Nonprofit		1	1	2	2	2	3	2	2
JPL		12	10	10	9	9	8	9	9
Government		7	8	5	5	4	4	5	4
Outside U.S.		*	1	*	1	1	*	1	2
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* Less than 0.5 percent.



## Distribution of Direct NASA Procurements Fiscal Years 1996–2013

Type	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
Business Firms	9,800.8	9,817.2	9,550.5	9,386.5	9,272.8	9,209.7	9,568.9	9,510.4	9,025.6
Educational	745.7	807.7	898.1	1,019.0	995.1	1,083.9	1,194.0	1,224.6	1,144.5
Nonprofit	287.9	383.4	406.3	431.2	465.8	523.4	582.5	575.5	614.6
JPL	1,188.3	1,126.2	1,171.3	1,294.6	1,291.3	1,451.7	1,404.1	1,290.4	1,963.7
Government	484.7	464.3	407.7	389.6	382.4	382.0	486.1	601.1	634.1
Outside U.S.	191.8	190.7	127.3	153.7	97.3	97.4	66.9	71.6	89.9
<b>Total</b>	<b>\$12,699.2</b>	<b>\$12,789.5</b>	<b>\$12,561.2</b>	<b>\$12,674.6</b>	<b>\$12,504.7</b>	<b>\$12,748.1</b>	<b>\$13,302.5</b>	<b>\$13,273.7</b>	<b>\$13,472.4</b>

### PERCENT OF TOTAL

Business Firms	77	77	76	74	74	72	72	69	67
Educational	6	6	7	8	8	9	9	13	8
Nonprofit	2	3	3	4	4	4	4	5	4
JPL	9	9	9	10	10	11	11	8	15
Government	4	4	4	3	3	3	3	5	5
Outside U.S.	2	1	1	1	0	1	1	0	1
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

Type	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
Business Firms	10,358.0	11,467.4	10,548.3	12,371.8	12,305.2	13,981.7	13,827.7	14,131.8	14,207.4
Educational	1,480.0	1,167.7	853.0	1,085.2	1,124.0	893.6	880.2	1,341.4	1,043.2
Nonprofit	740.0	671.3	467.4	587.1	619.9	967.9	924.5	1,101.6	806.9
JPL	1,771.0	1,700.2	1,730.8	1,767.8	1,707.5	2,133.3	2,352.6	2,259.5	3,022.7
Government	830.0	659.9	556.4	665.2	504.2	397.5	171.3	151.4	187.4
Outside U.S.	163.0	179.8	207.4	308.3	466.1	313.9	346.2	210.8	246.7
<b>Total</b>	<b>\$15,342.0</b>	<b>\$15,846.3</b>	<b>\$14,363.3</b>	<b>\$16,785.4</b>	<b>\$16,727.0</b>	<b>\$18,687.9</b>	<b>\$18,502.5</b>	<b>\$19,196.7</b>	<b>\$19,514.4</b>

### PERCENT OF TOTAL

Business Firms	68	72	74	74	73	75	75	73	73
Educational	10	8	6	6	7	5	5	7	5
Nonprofit	5	4	3	3	4	5	5	6	4
JPL	11	11	12	11	10	11	11	12	16
Government	5	4	4	4	3	2	2	1	1
Outside U.S.	1	1	1	2	3	2	2	1	1
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

## Distribution of Direct NASA Procurements Fiscal Years 2014–20

Type	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
<b>NET VALUE OF AWARDS (MILLIONS)</b>							
Business Firms	12,086.5	12,703.0	13,981.7	13,827.7	14,131.8	14,207.4	15,177.6
Educational	1,024.0	906.5	893.6	880.2	1,341.4	1,043.2	380.7
Nonprofit	661.0	878.1	967.9	924.5	1,101.6	806.9	1,020.3
JPL	1,708.2	1,847.2	2,133.3	2,352.6	2,259.5	3,022.7	2,824.1
Government	160.8	339.8	397.5	171.3	151.4	187.4	234.5
Outside U.S.	363.6	517.0	313.9	346.2	210.8	246.7	42.0
<b>Total</b>	<b>\$16,004.1</b>	<b>\$17,191.5</b>	<b>\$18,687.9</b>	<b>\$18,502.5</b>	<b>\$19,196.7</b>	<b>\$19,514.4</b>	<b>\$19,679.2</b>
<b>PERCENT OF TOTAL</b>							
Business Firms	76	74	75	75	73	73	77
Educational	5	5	5	5	7	5	2
Nonprofit	5	5	5	5	6	4	5
JPL	11	11	11	11	12	16	14
Government	1	2	2	2	1	1	1
Outside U.S.	2	3	2	2	1	1	0.2
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

# Appendix II

## Competition in NASA Awards to Business Firms Fiscal Years 1961–69

Type of Action	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
New Awards*	†	322.6	758.6	685.4	629.2	536.4	694.7	483.7	496.5
Modifications	†	707.5	1,503.1	2,835.7	3,512.2	3,551.3	3,169.4	2,963.0	2,525.8
<b>Competitive</b>	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
New Awards*	†	167.1	427.1	375.9	334.5	304.2	325.2	271.9	186.7
Modifications	†	398.7	874.9	1,743.6	2,295.6	2,388.3	2,373.2	1,913.2	1,446.0
<b>Noncompetitive</b>	146.5	464.3	959.7	1,401.6	1,511.3	1,395.2	1,165.7	1,261.6	1,389.6
New Awards*	†	155.5	331.5	309.5	294.7	232.2	369.5	211.8	309.8
Modifications	†	308.8	628.2	1,092.1	1,216.6	1,163.0	796.2	1,049.8	1,079.8
<b>Total Business</b>	<b>\$423.3</b>	<b>\$1,030.1</b>	<b>\$2,261.7</b>	<b>\$3,521.1</b>	<b>\$4,141.4</b>	<b>\$4,087.7</b>	<b>\$3,864.1</b>	<b>\$3,446.7</b>	<b>\$3,022.3</b>
<b>PERCENT OF TOTAL</b>									
New Awards*	†	31	34	20	15	13	18	14	16
Modifications	†	69	66	80	85	87	82	86	84
<b>Competitive</b>	65	55	58	60	63	66	70	63	54
New Awards*	†	16	19	11	8	7	8	8	6
Modifications	†	39	39	49	55	59	62	55	48
<b>Noncompetitive</b>	35	45	42	40	37	34	30	37	46
New Awards*	†	15	15	9	7	6	10	6	10
Modifications	†	30	27	31	30	28	20	31	36
<b>Total Business</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* 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 1970–77

Type of Action	FY 1970	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 1977†	FY 1977
<b>NET VALUE OF AWARDS (MILLIONS)</b>									
New Awards*	619.7	563.0	462.5	489.5	552.4	452.0	486.3	76.4	552.5
Modifications	2,139.5	1,716.5	1,680.8	1,574.3	1,566.2	1,803.0	2,049.8	586.8	2,285.6
<b>Competitive</b>	<b>1,628.7</b>	<b>1,331.8</b>	<b>1,311.8</b>	<b>1,275.6</b>	<b>1,394.9</b>	<b>1,554.6</b>	<b>1,879.5</b>	<b>490.9</b>	<b>2,060.4</b>
New Awards*	277.5	306.6	257.0	308.1	279.5	223.9	291.3	46.8	301.7
Modifications	1,351.2	1,025.2	1,054.8	967.5	1,115.4	1,330.7	1,588.2	444.1	1,758.7
<b>Noncompetitive</b>	<b>1,130.5</b>	<b>947.7</b>	<b>831.5</b>	<b>788.2</b>	<b>723.7</b>	<b>700.4</b>	<b>656.6</b>	<b>172.3</b>	<b>777.7</b>
New Awards*	342.2	256.4	205.5	181.4	272.9	228.1	195.0	29.6	250.8
Modifications	788.3	691.3	626.0	606.8	450.8	472.3	461.6	142.7	526.9
<b>Total Business</b>	<b>\$2,759.2</b>	<b>\$2,279.5</b>	<b>\$2,143.3</b>	<b>\$2,063.8</b>	<b>\$2,118.6</b>	<b>\$2,255.0</b>	<b>\$2,536.1</b>	<b>\$663.2</b>	<b>\$2,838.1</b>

### PERCENT OF TOTAL

New Awards*	22	24	22	24	26	20	19	11	20
Modifications	78	76	78	76	74	80	81	89	80
<b>Competitive</b>	<b>59</b>	<b>58</b>	<b>61</b>	<b>62</b>	<b>66</b>	<b>69</b>	<b>74</b>	<b>74</b>	<b>73</b>
New Awards*	10	13	12	15	13	10	11	7	11
Modifications	49	45	49	47	53	59	63	67	62
<b>Noncompetitive</b>	<b>41</b>	<b>42</b>	<b>39</b>	<b>38</b>	<b>34</b>	<b>31</b>	<b>26</b>	<b>26</b>	<b>27</b>
New Awards*	12	11	10	9	13	10	8	4	9
Modifications	29	31	29	29	21	21	18	22	18
<b>Total Business</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

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

† FY 1977 represents the transition from a June–July fiscal year to the October–September fiscal year.

## Competition in NASA Awards to Business Firms Fiscal Years 1978–85†

Type of Action	FY 1978	FY 1979	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985
<b>NET VALUE OF AWARDS (MILLIONS)</b>								
New Awards*	633.1	516.6	634.3	479.3	717.6	761.0	716.6	775.9
Modifications	2,320.7	2,899.8	3,186.1	3,728.9	4,006.9	4,740.2	5,142.7	5,750.0
<b>Competitive</b>	<b>2,111.5</b>	<b>2,541.1</b>	<b>2,858.1</b>	<b>3,127.7</b>	<b>3,436.5</b>	<b>3,845.3</b>	<b>4,286.6</b>	<b>5,030.2</b>
New Awards*	362.1	304.0	382.5	257.8	351.9	446.2	426.0	533.5
Modifications	1,749.4	2,237.1	2,475.6	2,869.9	3,084.6	3,399.1	3,860.6	4,496.7
<b>Other Than Competitive</b>	<b>842.3</b>	<b>875.3</b>	<b>962.3</b>	<b>1,080.5</b>	<b>1,288.0</b>	<b>1,655.9</b>	<b>1,572.7</b>	<b>1,495.7</b>
New Awards*	271.0	212.6	251.8	221.5	365.7	314.8	290.6	242.4
Modifications	571.3	662.7	710.5	859.0	922.3	1,341.1	1,282.1	1,253.3
<b>Total Business</b>	<b>\$2,953.8</b>	<b>\$3,416.4</b>	<b>\$3,820.4</b>	<b>\$4,208.2</b>	<b>\$4,724.5</b>	<b>\$5,501.2</b>	<b>\$5,859.3</b>	<b>\$6,525.9</b>
<b>PERCENT OF TOTAL</b>								
New Awards*	22	15	17	11	15	14	12	12
Modifications	78	85	83	89	85	86	88	88
<b>Competitive</b>	<b>72</b>	<b>74</b>	<b>75</b>	<b>74</b>	<b>72</b>	<b>70</b>	<b>73</b>	<b>77</b>
New Awards*	13	9	10	6	7	8	7	8
Modifications	59	65	65	68	65	62	66	69
<b>Other Than Competitive</b>	<b>28</b>	<b>26</b>	<b>25</b>	<b>26</b>	<b>28</b>	<b>30</b>	<b>27</b>	<b>23</b>
New Awards*	9	6	7	5	8	6	5	4
Modifications	19	20	18	21	20	24	22	19
<b>Total Business</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

\* 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 1986–95

Type of Action	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995
<b>NET VALUE OF AWARDS (MILLIONS)</b>										
<b>Competed</b>	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
<b>Not Competed</b>	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
<b>Follow-On</b>	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
<b>Total Available</b>	<b>\$7,310.3</b>	<b>\$6,575.3</b>	<b>\$7,350.4</b>	<b>\$8,705.5</b>	<b>\$10,202.3</b>	<b>\$10,562.7</b>	<b>\$10,877.3</b>	<b>\$10,649.1</b>	<b>\$10,138.4</b>	<b>\$10,525.6</b>
<b>PERCENT OF TOTAL</b>										
<b>Competed</b>	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
<b>Not Competed</b>	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
<b>Follow-On</b>	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	1.5	1.5	0.3	3.8	4.0	9.6	13.1	12.3	11.2	9.0
<b>Total Available</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* 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
<b>NET VALUE OF AWARDS (MILLIONS)</b>										
<b>Completed</b>	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	*
<b>Not Completed</b>	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	*
<b>Follow-On</b>	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	*
<b>Total Available</b>	<b>\$10,064.4</b>	<b>\$10,004.8</b>	<b>\$9,696.2</b>	<b>\$9,635.0</b>	<b>\$9,626.9</b>	<b>\$9,690.6</b>	<b>\$10,124.5</b>	<b>\$10,393.3</b>	<b>\$9,630.8</b>	<b>\$12,201.9</b>
<b>PERCENT OF TOTAL</b>										
<b>Completed</b>	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	*
<b>Not Completed</b>	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	*
<b>Follow-On</b>	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	*
<b>Total Available</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

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

## Competition in NASA Awards to Business Firms Fiscal Years 2006–15

Type of Action	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
<b>NET VALUE OF AWARDS (MILLIONS)</b>										
Completed	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 Completed†	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	*	*	*	*	*					
<b>Total Available</b>	<b>\$10,678.3</b>	<b>\$12,707.6</b>	<b>\$14,666.8</b>	<b>\$15,150.2</b>	<b>\$16,016.5</b>	<b>\$15,355.8</b>	<b>\$15,133.9</b>	<b>\$14,210.7</b>	<b>\$14,950.5</b>	<b>\$15,902.8</b>

### PERCENT OF TOTAL

Completed	49.2	49.1	52.1	53.6	55.3	57.4	61.7	65.2	67.3	67.8
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Not Completed	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	*	*	*	*						
<b>Total Available</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

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

† Beginning in FY 2008, Not Completed dollars include Not Available for Competition dollars.

‡ Beginning in FY 2011, Not Completed dollars include Follow-Ons.

## Competition in NASA Awards to Business Firms Fiscal Years 2016–21

Type of Action	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
<b>NET VALUE OF AWARDS (MILLIONS)</b>						
Completed	\$11,981	\$11,724	\$12,175	\$11,962	\$13,496.0	\$13,424.6
Not Completed	\$5,293	\$5,551	\$5,860	\$6,193	\$5,906.6	\$5,863.8
<b>Total</b>	<b>\$17,274</b>	<b>\$17,274</b>	<b>\$18,035</b>	<b>\$18,155</b>	<b>\$19,402.6</b>	<b>\$19,288.6</b>
<b>PERCENT OF TOTAL</b>						
Completed	69.4	69.4	67.5	65.9	69.6	69.6
Not Completed	30.6	30.6	32.5	34.1	30.4	30.4
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>



# Appendix III

## Small Business Participation in NASA Procurements Fiscal Years 1961–96 (Millions of Dollars)

	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969
Small Business	63.5	123.6	191.3	240.3	286.3	255.9	216.9	189.6	162.8
% of Total	15.0	12.0	8.5	6.8	6.9	6.3	5.6	5.5	5.4
Set-Asides	6.0	14.0	26.0	39.5	67.4	50.6	45.7	34.0	31.4
% of Total	1.4	1.3	1.1	1.1	1.6	1.2	1.2	1.0	1.0
% of Small	9.4	11.3	13.6	16.4	23.5	19.8	21.1	17.9	19.3
<b>Total Business</b>	<b>\$423.3*</b>	<b>\$1,030.1</b>	<b>\$2,261.7</b>	<b>\$3,521.1</b>	<b>\$4,141.4</b>	<b>\$4,087.7</b>	<b>\$3,864.1</b>	<b>\$3,446.1</b>	<b>\$3,022.3</b>

	FY 1970	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 1977	FY 1978
Small Business	161.2	178.1	160.9	155.3	181.2	216.0	218.3	255.0	281.5
% of Total	5.8	7.8	7.5	7.5	8.6	9.6	8.6	9.0	9.5
Set-Asides	35.7	41.1	45.1	47.3	61.5	62.6	66.8	83.7	92.5
% of Total	1.3	1.9	2.1	2.3	3.0	2.8	2.6	3.0	3.1
% of Small	22.1	23.1	28.0	30.5	33.9	29.0	30.6	32.8	32.9
<b>Total Business</b>	<b>\$2,759.2</b>	<b>\$2,279.5</b>	<b>\$2,143.3</b>	<b>\$2,063.8</b>	<b>\$2,118.6</b>	<b>\$2,255.0</b>	<b>\$2,536.1</b>	<b>\$2,838.1</b>	<b>\$2,953.8</b>

	FY 1979	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986	FY 1987
Small Business	325.4	384.6	409.4	430.1	482.3	556.2	644.7	671.3	786.3
% of Total	9.5	9.9	9.6	8.9	8.6	9.3	9.7	10.6	12.0
Set-Asides	99.4	175.2	195.8	209.3	212.0	222.5	270.0	260.9	297.2
% of Total	3.0	4.5	4.6	4.4	3.8	3.7	4.1	4.1	4.5
% of Small	30.5	45.6	47.8	48.6	43.9	40.0	41.9	38.9	37.8
<b>Total Business</b>	<b>\$3,416.4</b>	<b>\$3,868.3</b>	<b>\$4,272.8</b>	<b>\$4,805.6</b>	<b>\$5,586.0</b>	<b>\$5,967.4</b>	<b>\$6,652.9</b>	<b>\$6,356.0</b>	<b>\$6,540.5</b>

	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996
Small Business	801.4	857.3	924.3	968.3	1,010.6	1,060.7	1,150.2	1,171.2	1,162.5
% of Total	11.0	10.0	9.2	9.3	9.4	10.1	11.5	11.4	11.9
Set-Asides	326.1	322.5	307.3	324.3	274.9	315.1	330.4	366.7	348.5
% of Total	4.5	3.8	3.1	3.1	2.6	3.0	3.3	3.6	3.6
% of Small	40.7	37.6	33.2	33.5	27.2	29.7	28.7	31.3	30.0
<b>Total Business</b>	<b>\$7,274.9</b>	<b>\$8,567.6</b>	<b>\$10,071.5</b>	<b>\$10,417.3</b>	<b>\$10,716.7</b>	<b>\$10,497.9</b>	<b>\$9,965.7</b>	<b>\$10,311.5</b>	<b>\$9,800.8</b>

\* Excludes procurements placed under General Services Administration contracts.

**Small Business Participation in NASA Procurements**  
**Fiscal Years 1997–2021**  
**(Millions of Dollars)**

	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
<b>Small Business</b>	1,244.2	1,218.3	1,287.0	1,485.5	1,609.9	1,680.0	1,600.1	1,755.5	1,818.9
% of Total	12.7	12.8	13.7	16.0	17.5	17.6	16.8	19.5	17.6
<b>Set-Asides</b>	429.4	457.2	530.4	565.1	568.1	582.4	477.9	552.1	620.2
% of Total	4.4	4.8	5.6	6.1	6.2	6.1	5.0	6.1	6.0
% of Small	34.5	37.5	41.2	38.1	35.3	34.6	29.8	31.4	34.1
<b>Total Business</b>	<b>\$9,817.2</b>	<b>\$9,550.5</b>	<b>\$9,386.5</b>	<b>\$9,272.8</b>	<b>\$9,209.7</b>	<b>\$9,568.9</b>	<b>\$9,510.4</b>	<b>\$9,025.6</b>	<b>\$10,357.8</b>

	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014
<b>Small Business</b>	1,938.1	2,002.7	2,270.7	2,271.8	2,286.0	2,630.8	2,630.8	2,761.3	2,524.0
% of Total	16.9	18.6	18.4	18.5	17.3	20.0	22.1	24.2	20.9
<b>Set-Asides</b>	665.8	747.5	898.1	901.4	926.5	1,073.1	1,114.6	1,141.5	1,177.8
% of Total	5.8	6.9	7.3	7.3	7.0	8.6	9.4	10.0	9.7
% of Small	34.3	37.3	39.6	39.7	40.5	42.7	42.4	41.3	46.7
<b>Total Business</b>	<b>\$11,467.4</b>	<b>\$10,756.2</b>	<b>\$12,371.7</b>	<b>\$12,305.2</b>	<b>\$13,186.5</b>	<b>\$12,529.6</b>	<b>\$11,908.3</b>	<b>\$11,431.5</b>	<b>\$12,086.5</b>

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
<b>Small Business</b>	2,541.3	2,739.4	2,830.0	2,993.8	3,137.8	3,307	3,401.4
% of Total	20.0	19.6	20.0	20.9	22.1	21.8	21.4
<b>Set-Asides</b>	1,232.1	1,505.0	1,464.9	1,622.8	1,616.3	2,065.1	2,155.1
% of Total	9.7	10.8	10.4	11.3	11.4	13.6	13.6
% of Small	48.5	54.9	51.8	54.2	51.5	60.3	63.4
<b>Total Business</b>	<b>\$12,703</b>	<b>\$13,981.7</b>	<b>14,134.7</b>	<b>14,305.0</b>	<b>14,207.4</b>	<b>15,177.6</b>	<b>15,899.9</b>

\* Excludes procurements placed under General Services Administration contracts.





# EXPLORE PROCUREMENT

The cornerstone of NASA's current and future missions

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