TABLE 9

Federal budget authority for Space flight, research, and supporting activities (252) R&D and R&D plant: FYs 2017–19

(Millions of dollars and percent change)

Budget function and agency	2017 actual	2018 preliminary[a]	2019 proposed[b]	2017–18 (% change)	2018–19 (% change)
R&D and R&D plant	10,187	9,735	10,163	-4.4	4.4
National Aeronautics and Space Administration[c,d]					
Safety, security, and mission services	269	262	257	-2.6	-1.8
Deep space exploration systems[e]	976	937	1,392	-4.0	48.5
Exploration R&D	338	na	na	na	na
Exploration systems development	638	NA	503	NA	NA
Advanced exploration systems	na	NA	889	na	NA
Science	5,668	5,666	5,820	-0.0	2.7
Astrophysics[f]	596	NA	1,141	NA	NA
Earth science	2,533	NA	1,784	NA	NA
Heliophysics	554	NA	691	NA	NA
James Webb Space Telescope[f]	569	NA	NA	NA	NA
Planetary science	1,416	NA	2,205	NA	NA
LEO (low earth orbit) and spaceflight operations[g]	2,542	2,166	1,727	-14.8	-20.3
International Space Station	1,451	NA	1,462	NA	NA
Space flight and support	0	NA	5	NA	NA
Space transportation	1,091	NA	110	NA	NA
Commercial LEO development	na	na	150	na	na
Exploration research and technology[h]	680	682	913	0.3	33.8
Construction, environmental compliance, and remediation	52	22	54	-57.9	147.3
R&D	10,134	9,713	10,109	-4.2	4.1
National Aeronautics and Space Administration[c,d]					
Safety, security, and mission services	269	262	257	-2.6	-1.8
Deep space exploration systems[e]	976	937	1,392		
Exploration R&D	338	na	na	na	na
Exploration systems development	638	NA	503	NA	NA
Advanced exploration systems	na	NA	889	na	NA
Science	5,668	5,666	5,820	-0.0	2.7
Astrophysics[f]	596	NA	1,141	NA	NA
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International Space Station	1,451	NA	1,462	NA	NA
Space flight and support	0	NA	5	NA	NA
Space transportation	1,091	NA	110	NA	NA
Commercial LEO development	na	na	150	na	na
Exploration research and technology[h]	680	682	913	0.3	33.8
Construction, environmental compliance, and remediation	0	0	0	--	--

na = not applicable; NA = not available.

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(Millions of dollars and percent change)

[a] The FY 2018 data are official estimates reflecting continuing resolution funding for FY 2018 and not the enacted omnibus spending bill for that year (Consolidated Appropriations Act, 2018, signed 23 March 2018). Most federal agencies did not prepare R&D estimates for FY 2018 based on the final spending figures in the omnibus.

[b] Along with the regular budget request, the Administration issued an addendum adding $75 billion to the total of nondefense spending in FY 2019, distributed among several agencies (but not all for increased R&D spending). The additional sums for R&D are not reflected in the data above.

[c] While not reflected in the data displayed above, the National Aeronautics and Space Administration (NASA) received an increase of more than 5% in the FY 2018 omnibus.

[d] NASA received an additional $275 million in discretionary spending in the Administration's addendum to the FY 2019 request. The FY 2019 data above do not reflect this additional funding.

[e] Renamed from "Exploration." Due do to some programmatic changes, data across all years are not directly comparable.

[f] James Webb Space Telescope is included as part of Astrophysics in FY 2019.

[g] Renamed from "Space Operations."

[h] Renamed from "Space Technology." Due to some programmatic changes, data across all years are not directly comparable.

Note(s)

Detail may not add to total because of rounding. Percent change is calculated on unrounded data.

Source(s)

Agencies' submissions to the Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.