

TABLE 8

Federal budget authority for General science and basic research (251) R&D and R&D plant: FYs 2018–20

(Millions of dollars and percent change)

Budget function and agency	2018 actual	2019 preliminary ^a	2020 proposed	2018–19 (% change)	2019–20 (% change)
R&D and R&D plant	12,559	12,832	11,198	2.2	-12.7
Department of Energy					
Office of Science	6,201	6,517	5,475	5.1	-16.0
National Science Foundation ^{b,c}	6,358	6,315	5,723	-0.7	-9.4
Arctic Research Commission	1	NA	2	--	--
Biological Sciences	757	NA	683	--	--
Computer and Information Science and Engineering	961	NA	883	--	--
Education and Human Resources	904	910	823	0.7	-9.5
Engineering	978	NA	881	--	--
Geosciences	908	NA	787	--	--
Integrative Activities	471	NA	491	--	--
International Science and Engineering	49	NA	46	--	--
Major Research Equipment and Facilities and Construction	186	296	223	58.7	-24.5
Mathematical and Physical Sciences	1,503	NA	1,256	--	--
Social, Behavioral and Economic Sciences	251	NA	230	--	--
Budget authority adjustment ^d	-611	NA	-583	--	--
R&D	10,692	10,791	9,689	0.9	-10.2
Department of Energy					
Office of Science	4,843	4,979	4,472	2.8	-10.2
National Science Foundation ^{e,c}	5,849	5,812	5,217	-0.6	-10.2
Arctic Research Commission	1	NA	2	--	--
Biological Sciences	757	NA	683	--	--
Computer and Information Science and Engineering	961	NA	883	--	--
Education and Human Resources	904	910	823	0.7	-9.5
Engineering	978	NA	881	--	--
Geosciences	908	NA	787	--	--
Integrative Activities	471	NA	491	--	--
International Science and Engineering	49	NA	46	--	--
Major Research Equipment and Facilities Construction	186	296	223	58.7	-24.5
Mathematical and Physical Sciences	1,503	NA	1,256	--	--
Social, Behavioral and Economic Sciences	251	NA	230	--	--
Budget authority adjustment ^f	-1,119	NA	-1,089	--	--

NA = not available.

^a The FY 2019 data for the National Science Foundation (NSF) are official estimates reflecting continuing resolution funding for FY 2019 and not the enacted omnibus spending bill for that year (Consolidated Appropriations Act, 2019, signed 15 February 2019). Most federal agencies included in this omnibus did not prepare R&D estimates based on the final spending figures for FY 2019.

^b NSF budget shown here includes only R&D and R&D plant; however, subaccount budgets (Arctic Research Commission, Biological Sciences, etc.) include some non-R&D and non-R&D plant funding. FY 2019 R&D and R&D plant data come from the Office of Management and Budget (OMB) MAX Schedule C reporting; other years come from NSF budget justification.

^c NSF received an increase of 4% in the FY 2019 omnibus.

^d Budget authority adjustment subtracts non-R&D and non-R&D plant spending (such as support and overhead) from subaccount budgets.

^e NSF budget shown here includes only R&D; however, subaccount budgets (Arctic Research Commission, Biological Sciences, etc.) include some non-R&D funding. FY 2019 R&D data come from OMB MAX Schedule C reporting; other years come from NSF budget justification.

^f Budget authority adjustment subtracts non-R&D spending (such as support, overhead, and R&D plant) from subaccount budgets.

Note(s)

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

National Center for Science and Engineering Statistics | NSF 20-305

Source(s)

Agencies' submissions to OMB per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.