

TABLE 8

Federal budget authority for General science and basic research (251) 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	11,289	11,337	11,456	0.4	1.0
Department of Energy					
Office of Science ^{c,d}	5,342	5,307	5,335	-0.7	0.5
National Science Foundation ^{e,f,g}	5,946	6,030	6,121	1.4	1.5
Arctic Research Commission	1	NA	1	NA	NA
Biological Sciences	742	NA	738	NA	NA
Computer and Information Science and Engineering	936	NA	925	NA	NA
Education and Human Resources	873	874	873	0.1	-0.1
Engineering	931	NA	921	NA	NA
Geosciences	826	NA	853	NA	NA
Integrative Activities	420	NA	537	NA	NA
International Science and Engineering	49	NA	49	NA	NA
Major Research Equipment and Facilities	223	208	95	-6.8	-54.4
Mathematical and Physical Sciences	1,362	NA	1,345	NA	NA
Social, Behavioral and Economic Sciences	271	NA	246	NA	NA
Budget authority adjustment ^h	-688	NA	-463	NA	NA
R&D	9,947	10,050	9,982	1.0	-0.7
Department of Energy					
Office of Science ^{c,d}	4,429	4,459	4,302	0.7	-3.5
National Science Foundation ^{i,f,g}	5,518	5,591	5,680	1.3	1.6
Arctic Research Commission	1	NA	1	NA	NA
Biological Sciences	742	NA	738	NA	NA
Computer and Information Science and Engineering	936	NA	925	NA	NA
Education and Human Resources	873	874	873	0.1	-0.1
Engineering	931	NA	921	NA	NA
Geosciences	826	NA	853	NA	NA
Integrative Activities	420	NA	537	NA	NA
International Science and Engineering	49	NA	49	NA	NA
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Mathematical and Physical Sciences	1,362	NA	1,345	NA	NA
Social, Behavioral and Economic Sciences	271	NA	246	NA	NA
Budget authority adjustment ^j	-1,117	NA	-904	NA	NA

NA = not available.

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^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 reflected in the data above.

^c The Office of Science received an increase of 16% in the FY 2018 omnibus.

^d The Office of Science received an additional \$1.2 billion in discretionary spending in the Administration's addendum to the FY 2019 request. The FY 2019 data above do reflect this additional funding.

^e Total National Science Foundation (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 2018 R&D and R&D plant figures come from the Office of Management and Budget (OMB) MAX Schedule C reporting; other years come from NSF budget justification.

^f NSF received an increase of 4% in the FY 2018 omnibus.

^g NSF received an additional \$2.2 billion in discretionary spending in the Administration's addendum to the FY 2019 request. The FY 2019 data above do reflect this additional funding.

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

ⁱ Total NSF budget shown here includes funding for only R&D; however, subaccount budgets (Arctic Research Commission, Biological Sciences, etc.) include some non-R&D funding. FY 2018 R&D data come from OMB MAX Schedule C reporting; other years come from NSF budget justification.

^j 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.

Source(s)

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