

TABLE 8

Federal budget authority for General science and basic research (251) R&D and R&D plant: FYs 2019–21

(Millions of dollars and percent change)

Budget function and agency	2019 actual	2020 preliminary ^a	2021 proposed	2019–20 (% change)	2020–21 (% change)
R&D and R&D plant	13,165	13,675	12,087	3.9	-11.6
Department of Energy					
Office of Science	6,517	6,923	5,760	6.2	-16.8
National Science Foundation ^b	6,648	6,752	6,327	1.6	-6.3
Arctic Research Commission	1	NA	2	--	--
Biological Sciences	784	NA	705	--	--
Computer and Information Science and Engineering	985	NA	1,062	--	--
Education and Human Resources	935	940	931	0.6	-1.0
Engineering	991	NA	910	--	--
Geosciences	970	NA	837	--	--
Integrative Activities	547	NA	539	--	--
International Science and Engineering	49	NA	44	--	--
Major Research Equipment and Facilities and Construction	285	243	230	-14.7	-5.5
Mathematical and Physical Sciences	1,491	NA	1,448	--	--
Social, Behavioral and Economic Sciences	271	NA	247	--	--
Budget authority adjustment ^c	-661	NA	-627	na	na
R&D	10,961	11,454	10,539	4.5	-8.0
Department of Energy					
Office of Science	4,965	5,325	4,734	7.3	-11.1
National Science Foundation ^d	5,996	6,129	5,804	2.2	-5.3
Arctic Research Commission	1	NA	2	--	--
Biological Sciences	784	NA	705	--	--
Computer and Information Science and Engineering	985	NA	1,062	--	--
Education and Human Resources	935	940	931	0.6	-1.0
Engineering	991	NA	910	--	--
Geosciences	970	NA	837	--	--
Integrative Activities	547	NA	539	--	--
International Science and Engineering	49	NA	44	--	--
Major Research Equipment and Facilities Construction	285	243	230	-14.7	-5.5
Mathematical and Physical Sciences	1,491	NA	1,448	--	--
Social, Behavioral and Economic Sciences	271	NA	247	--	--
Budget authority adjustment ^e	-1,313	NA	-1,150	na	na

na = not applicable; NA = not available.

^a Does not include any R&D funded as part of the emergency coronavirus (COVID-19) response legislation in the 2020 calendar year.^b The 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.^c Budget authority adjustment subtracts non-R&D and non-R&D plant spending (such as support and overhead) from subaccount budgets.^d NSF budget shown here includes only R&D; however, subaccount budgets (Arctic Research Commission, Biological Sciences, etc.) include some non-R&D funding.^e 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 Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.