

TABLE 8

Federal budget authority for General science and basic research (251) R&D and R&D plant: FYs 2021–23

(Millions of dollars and percent change)

Budget function and agency	2021 actual	2022 preliminary ^a	2023 proposed	2021–22 (% change)	2022–23 (% change)
R&D and R&D plant	14,150	14,563	16,041	2.9	10.1
Department of Energy	7,086	6,906	7,594	-2.5	10.0
Office of Science	7,086	6,906	7,594	-2.5	10.0
National Science Foundation	7,064	7,657	8,447	8.4	10.3
Biological Sciences	794	782	871	-1.5	11.4
Computer and Information Science and Engineering	981	954	1,033	-2.7	8.2
STEM Education ^b	481	578	698	20.2	20.8
Engineering	727	728	844	0.2	15.9
Geosciences	1,008	971	1,112	-3.6	14.5
Integrative Activities	374	376	490	0.5	30.4
International Science and Engineering	34	58	66	68.5	15.3
Major Research Equipment and Facilities and Construction	170	501	187	194.3	-62.7
Mathematical and Physical Sciences	1,562	1,516	1,568	-2.9	3.4
Polar Programs	346	502	493	44.9	-1.9
Social, Behavioral and Economic Sciences	244	269	296	10.0	10.3
Technology, Innovation, and Partnerships	343	423	790	23.1	86.7
R&D	12,118	12,304	14,027	1.5	14.0
Department of Energy	5,487	5,415	6,125	-1.3	13.1
Office of Science	5,487	5,415	6,125	-1.3	13.1
National Science Foundation	6,631	6,889	7,902	3.9	14.7
Biological Sciences	728	750	829	3.0	10.6
Computer and Information Science and Engineering	966	916	984	-5.2	7.4
STEM Education ^b	481	578	698	20.2	20.8
Engineering	726	699	804	-3.7	15.1
Geosciences	997	932	1,059	-6.6	13.7
Integrative Activities	259	361	467	38.9	29.5
International Science and Engineering	34	55	63	61.7	14.5
Major Research Equipment and Facilities and Construction	0	0	0	-	-
Mathematical and Physical Sciences	1,519	1,454	1,493	-4.3	2.7
Polar Programs	334	482	469	44.1	-2.6
Social, Behavioral and Economic Sciences	243	258	282	5.9	9.5
Technology, Innovation, and Partnerships	343	406	752	18.1	85.4

^a The preliminary data available from the agencies for FY 2022 at the time of this report reflect mainly the continuing resolution funding levels that existed through mid-March 2022 and not yet those of the finalized appropriations enacted shortly thereafter.

^b Education and Human Resource was renamed to STEM Education in the 2023 Presidential Budget Request.

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 (OMB) per MAX Schedule C, agencies' budget justification documents, supplemental data obtained from agencies' budget offices, and Executive Office of the President, OMB, *Budget of the United States Government, Fiscal Year 2023*.