

TABLE 5

Federal budget authority for National defense (050) R&D and R&D plant: FYs 2020–22

(Millions of dollars and percent change)

Budget function and agency	2020 actual	2021 preliminary	2022 proposed	2020–21 (% change)	2021–22 (% change)
R&D and R&D plant	81,874	79,584	78,704	-2.8	-1.1
Department of Defense, military (051)	74,105	71,662	70,974	-3.3	-1.0
R&D within RDT&E accounts ^a	68,679	68,189	69,089	-0.7	1.3
Defense agencies	20,221	19,049	18,642	-5.8	-2.1
Defense Advanced Research Projects Agency	3,571	3,500	3,529	-2.0	0.8
Missile Defense Agency	8,142	7,855	7,161	-3.5	-8.8
Other defense agencies	8,507	7,693	7,952	-9.6	3.4
Department of the Air Force	21,732	15,855	17,061	-27.0	7.6
Space Force	na	5,605	5,527	-	-1.4
Department of the Army	11,033	12,371	11,301	12.1	-8.7
Department of the Navy	15,464	15,051	16,342	-2.7	8.6
Operational Test and Evaluation	228	257	217	12.9	-15.8
Other military funding ^b	5,427	3,474	1,886	-36.0	-45.7
Department of Energy, atomic energy defense activities (053)	7,752	7,910	7,724	2.0	-2.4
Defense environmental cleanup	30	35	28	16.7	-20.0
Naval reactors development	1,365	1,471	1,643	7.8	11.7
Nonproliferation	411	481	501	17.0	4.2
Weapons activities	5,947	5,923	5,552	-0.4	-6.3
Department of Justice, Federal Bureau of Investigation (054)	2	2	2	0.0	0.0
Department of Homeland Security, Cybersecurity and Infrastructure Security Agency (054)	14	9	4	-34.6	-58.3
R&D	79,389	78,609	77,762	-1.0	-1.1
Department of Defense, military (051)	72,251	71,662	70,954	-0.8	-1.0
R&D within RDT&E accounts ^a	68,679	68,189	69,089	-0.7	1.3
Defense agencies	20,221	19,049	18,642	-5.8	-2.1
Defense Advanced Research Projects Agency	3,571	3,500	3,529	-2.0	0.8
Missile Defense Agency	8,142	7,855	7,161	-3.5	-8.8
Other defense agencies	8,507	7,693	7,952	-9.6	3.4
Department of the Air Force	21,732	15,855	17,061	-27.0	7.6
Space Force	na	5,605	5,527	-	-1.4
Department of the Army	11,033	12,371	11,301	12.1	-8.7
Department of the Navy	15,464	15,051	16,342	-2.7	8.6
Operational Test and Evaluation	228	257	217	12.9	-15.8
Other military funding ^b	3,573	3,474	1,866	-2.8	-46.3
Department of Energy, atomic energy defense activities (053)	7,121	6,935	6,802	-2.6	-1.9
Defense environmental cleanup	30	35	28	16.7	-20.0
Naval reactors development	1,112	1,140	1,246	2.5	9.3
Nonproliferation	393	466	486	18.6	4.3
Weapons activities	5,587	5,294	5,042	-5.2	-4.8
Department of Justice, Federal Bureau of Investigation (054)	2	2	2	0.0	0.0
Department of Homeland Security, Cybersecurity and Infrastructure Security Agency (054)	14	9	4	-34.6	-58.3

na = not applicable.

RDT&E = research, development, test, and evaluation.

^a Totals for development spending across all years do not include Department of Defense (DOD) Budget Activity 7 (BA-7) (Operational Systems Development) due to implementation of the narrowed definition of development described by the Office of Management and Budget (OMB) in its Circular A-11 of July 2016. These BA-7 funds support development efforts to upgrade systems that have been fielded or have received approval for full-rate production and anticipate production funding in the current or subsequent fiscal year.

^b This item includes appropriate personnel costs in direct support of conduct of R&D, other appropriations funding certain DOD programs, and medical research funded outside RDT&E accounts. Includes \$415 million in emergency RDT&E funding for the coronavirus (COVID-19) activities in FY 2020.

Note(s):

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

Source(s):

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