

Table 69. Federal outlays for R&D plant, by agency: FYs 2016–25

(Dollars in millions)

Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
All agencies	2,228	3,223	3,844	3,287	4,786	3,805	4,185	4,762	5,105	4,827
Departments										
Department of Agriculture	20	15	38	49	75	111	109	111	111	126
Agricultural Research Service	5	6	23	39	66	100	100	95	110	126
Forest Service	13	9	16	10	9	12	9	14	0	0
Grain Inspection, Packers, and Stockyards Administration	2	*	na	na	na	na	na	na	na	na
Natural Resources Conservation Service	NA	NA	NA	NA	NA	*	0	1	1	*
Department of Commerce	211	183	292	386	261	265	402	623	714	688
National Institute of Standards and Technology	61	64	75	133	94	121	185	149	138	124
National Oceanic and Atmospheric Administration	150	119	217	253	167	144	216	473	462	564
National Telecommunications and Information Administration	0	0	0	0	0	0	2	1	114	0
Department of Defense	168	920	395	353	507	211	251	193	248	233
Defense Health Agency	NA	NA	NA	NA	15	0	0	0	0	0
Department of the Air Force	122	161	179	205	193	163	164	143	186	175
Air Force	122	161	179	205	193	163	164	143	186	175
Space Force	na	na	na	na	0	0	0	0	*	1
Department of the Army	5	720	0	0	0	0	0	0	0	0
Department of the Navy	29	30	38	126	284	38	26	34	50	50
Other defense agencies	12	9	177	22	14	11	62	16	12	8
Department of Energy	998	1,168	2,065	1,508	1,790	2,330	2,608	2,752	3,028	2,657
Energy Efficiency and Renewable Energy	3	4	208	10	55	38	43	43	58	58
Fossil Energy	0	16	21	23	24	28	19	27	26	26
National Nuclear Security Administration	262	290	299	275	512	836	688	862	1,152	966
Defense Programs	102	89	189	275	256	498	418	608	620	552
Naval Nuclear Propulsion Program	160	200	109	0	247	331	270	230	366	248
Office of Defense Nuclear Nonproliferation	0	0	0	0	9	8	*	24	166	166
Nuclear Energy	0	0	0	0	0	0	304	202	223	271
Office of Science	733	859	1,538	1,200	1,200	1,428	1,554	1,617	1,570	1,336
Department of Health and Human Services	141	217	222	156	1,502	355	221	440	363	437
Biomedical Advanced Research and Development Authority	NA	NA	NA	0	1,296	160	1	61	2	*
Centers for Medicare and Medicaid Services	0	0	0	*	0	0	0	0	0	0
Food and Drug Administration	31	29	29	26	28	35	34	43	44	40
Health Resources and Services Administration	1	0	0	0	0	1	0	2	3	4
National Institutes of Health	110	188	193	130	178	158	187	335	314	393
Department of Homeland Security	193	186	215	206	70	13	12	6	21	32
Coast Guard	1	1	1	1	0	0	0	0	0	1
Science and Technology Directorate	192	184	214	205	70	12	12	5	20	30
Transportation Security Administration	NA	NA	0	0	0	1	0	1	1	1

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(Dollars in millions)

Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
Department of the Interior	8	3	4	4	5	2	13	8	9	9
Bureau of Reclamation	1	1	1	1	2	2	2	2	3	2
Bureau of Safety and Environmental Enforcement	7	2	2	3	3	0	11	6	6	7
Department of Transportation	29	35	31	38	52	29	33	35	49	58
Federal Aviation Administration	27	32	30	36	50	27	28	32	42	46
Federal Highway Administration	0	0	0	0	0	0	0	0	*	*
Federal Railroad Administration	2	3	1	2	2	1	5	3	6	12
National Highway Traffic Safety Administration	0	0	0	0	0	1	1	0	0	0
Department of the Treasury	0	0	0	4	2	0	0	0	0	0
Bureau of Engraving and Printing	0	0	0	2	2	0	0	0	0	0
Mint	0	0	0	2	*	0	0	0	0	0
Other agencies										
Environmental Protection Agency	5	5	5	5	4	6	6	2	5	3
National Aeronautics and Space Administration	76	88	87	78	27	43	62	57	74	55
National Science Foundation	348	371	457	468	423	371	397	461	484	530
Nuclear Regulatory Commission	0	0	0	0	1	0	0	0	0	0
Smithsonian Institution	29	33	33	33	66	69	70	74	0	0

* = amount greater than \$0 but less than \$500,000. na = not applicable; data were not collected at this level of detail for this agency or subagency. NA = not available; agency did not provide data.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had outlays in variables represented by this table appear in the table. FYs 2020, 2021, and 2022 outlays include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). For additional notes associated with the agencies listed in this table, see technical table A-2 at <https://ncses.nsf.gov/surveys/federal-funds-research-development/2024-2025#technical-tables>.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.