

**Table 65. Federal outlays for research, development, and 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	111,780	113,223	120,916	128,141	149,706	178,360	183,108	173,861	183,953	185,241
Departments										
Department of Agriculture	2,432	2,345	2,347	2,547	2,534	2,704	2,958	3,170	3,483	3,270
Agricultural Marketing Service	7	7	7	8	7	7	5	6	14	9
Agricultural Research Service	1,124	1,155	1,124	1,189	1,330	1,478	1,594	1,757	1,902	1,764
Animal and Plant Health Inspection Service	39	39	39	39	40	42	45	47	43	42
Economic Research Service	94	82	87	82	82	85	88	93	91	91
Foreign Agricultural Service	*	*	0	0	0	0	0	NA	NA	NA
Forest Service	349	343	343	333	326	302	306	321	330	338
Grain Inspection, Packers, and Stockyards Administration	8	*	na	na	na	na	na	na	na	na
National Agricultural Statistics Service	9	9	9	9	9	9	11	11	8	9
National Institute of Food and Agriculture	798	706	735	884	738	779	908	911	1,000	997
Natural Resources Conservation Service	NA	NA	NA	NA	NA	1	1	23	96	21
Rural Business-Cooperative Service	4	3	3	3	3	0	0	NA	NA	NA
Department of Commerce	1,542	1,710	1,707	1,908	1,808	1,953	2,336	2,896	3,034	5,175
Census Bureau	170	220	110	96	111	109	202	284	360	360
National Institute of Standards and Technology	706	709	745	836	774	890	992	1,007	1,132	2,782
National Oceanic and Atmospheric Administration	655	773	844	967	915	944	1,130	1,598	1,398	1,615
National Telecommunications and Information Administration	10	8	7	9	8	10	13	7	145	418
Department of Defense	42,868	42,212	45,238	48,489	56,339	63,487	68,968	75,747	85,835	88,088
Defense Advanced Research Projects Agency	2,871	2,877	2,996	3,254	3,466	3,508	3,703	4,036	4,214	4,146
Defense Health Agency	NA	NA	NA	NA	2,016	2,427	2,112	2,248	3,054	2,786
Department of the Air Force	7,260	7,600	11,194	12,035	13,580	15,119	17,418	20,731	25,088	28,137
Air Force	7,260	7,600	11,194	12,035	9,243	10,726	13,099	13,653	16,068	18,333
Space Force	na	na	na	na	4,338	4,393	4,319	7,077	9,020	9,803
Department of the Army	6,805	7,631	7,011	9,293	10,868	11,440	11,284	11,516	10,145	13,060
Department of the Navy	15,195	14,427	12,561	11,029	15,072	16,298	16,450	19,659	23,467	21,951
Other defense agencies	10,737	9,676	11,476	12,877	11,337	14,696	18,000	17,557	19,867	18,008
Department of Education	212	246	235	226	227	214	285	327	361	423
Department of Energy	12,853	13,187	16,672	15,164	12,600	14,593	15,068	15,839	17,548	17,461
Advanced Research Projects Agency—Energy	238	269	251	247	270	308	339	399	391	400
Bonneville Power Administration	16	14	NA	NA	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	92	133	104	144	142	146	111	114	132	162
Energy Efficiency and Renewable Energy	1,145	1,284	1,549	1,461	1,502	1,552	1,469	1,453	1,630	1,508
Environmental Management	23	29	38	29	31	23	22	43	39	39
Fossil Energy	624	636	683	682	608	708	629	845	928	1,037
National Nuclear Security Administration	4,806	4,926	4,324	5,752	3,987	4,702	4,630	4,767	5,479	5,267
Defense Programs	3,082	3,256	2,726	3,635	2,326	2,881	3,245	3,367	3,729	3,548

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Naval Nuclear Propulsion Program	1,375	1,420	1,282	1,789	1,360	1,471	1,018	971	1,186	1,153
Office of Defense Nuclear Nonproliferation	349	249	316	329	301	349	366	429	564	566
Nuclear Energy	833	811	846	1,110	1	455	866	493	1,129	964
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	0	36	51	31	*	66	49	71
Office of Science	5,077	5,086	8,878	5,703	6,008	6,669	7,003	7,658	7,771	8,015
Department of Health and Human Services	29,663	31,386	33,219	35,427	54,910	73,019	69,148	51,398	49,044	46,358
Administration for Children and Families	3	2	1	2	2	5	4	7	13	12
Administration for Community Living	83	83	83	83	92	107	107	113	113	112
Advanced Research Projects Agency for Health	NA	NA	NA	NA	NA	NA	NA	0	460	216
Agency for Healthcare Research and Quality	334	324	334	338	338	338	350	374	374	374
Agency for Toxic Substances and Disease Registry	2	3	3	7	*	11	12	0	3	3
Biomedical Advanced Research and Development Authority	NA	NA	NA	281	18,737	34,041	28,414	5,974	1,491	819
Centers for Disease Control and Prevention	198	208	200	187	218	299	232	198	172	158
Centers for Medicare and Medicaid Services	30	30	231	6	31	36	270	4	4	5
Food and Drug Administration	486	464	456	470	443	563	536	678	700	637
Health Resources and Services Administration	42	46	34	27	25	58	40	74	86	80
National Institutes of Health	28,468	30,209	31,860	34,009	35,008	37,545	39,148	43,943	45,594	43,904
Office of the Secretary of Health and Human Services	18	17	17	17	16	17	36	34	35	37
Office of the Assistant Secretary for Planning and Evaluation	18	17	17	17	16	17	36	34	35	37
Department of Homeland Security	732	1,026	1,077	1,069	936	566	567	590	553	491
Coast Guard	22	22	18	23	5	10	7	7	11	10
Countering Weapons of Mass Destruction Office	63	69	65	81	85	87	66	67	60	40
Cybersecurity and Infrastructure Security Agency	na	na	7	13	8	13	6	8	0	1
Science and Technology Directorate	646	935	966	929	806	423	470	475	442	417
Secret Service	NA	NA	1	2	10	3	1	*	4	4
Transportation Security Administration	NA	NA	20	21	23	30	18	33	36	19
Department of Housing and Urban Development	75	71	71	63	NA	NA	NA	NA	NA	NA
Department of the Interior	865	864	754	804	827	876	929	523	503	456
Bureau of Indian Affairs	NA	NA	5	5	*	5	5	5	5	5
Bureau of Land Management	18	18	21	21	21	9	12	13	17	15
Bureau of Ocean Energy Management	73	73	77	73	73	70	66	0	NA	NA
Bureau of Reclamation	22	29	25	24	29	40	29	34	33	34
Bureau of Safety and Environmental Enforcement	34	23	8	15	11	14	19	16	16	14
Fish and Wildlife Service	32	24	24	24	26	23	35	41	48	6
Geological Survey	677	688	593	640	665	691	737	409	378	377
National Park Service	9	10	1	1	1	23	25	4	5	5
Office of Surface Mining Reclamation and Enforcement	NA	NA	1	1	1	0	NA	NA	NA	NA
Department of Justice	69	24	20	20	24	19	23	34	38	39

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Bureau of Prisons	11	10	6	7	8	8	5	13	9	8
Federal Bureau of Investigation	13	2	3	1	5	4	9	6	16	21
Office of Justice Programs	45	12	11	12	11	8	9	15	13	10
Department of Labor	8	3	3	3	3	3	3	1	1	1
Employee Benefits Security Administration	3	1	1	1	1	1	1	1	1	1
Occupational Safety and Health Administration	1	2	2	2	2	2	2	NA	NA	NA
Pension Benefit Guaranty Corporation	4	0	0	NA	NA	NA	NA	NA	NA	NA
Department of State	2	2	62	62	40	64	65	56	34	0
Department of Transportation	748	716	661	707	703	689	722	889	979	1,069
Federal Aviation Administration	250	266	239	247	245	248	250	322	347	357
Federal Highway Administration	353	274	261	287	278	257	263	292	388	344
Federal Motor Carrier Safety Administration	11	12	10	7	7	3	11	13	8	13
Federal Railroad Administration	41	44	35	35	43	39	46	53	36	49
Federal Transit Administration	7	41	36	40	20	29	27	23	24	22
National Highway Traffic Safety Administration	49	55	53	64	67	60	70	77	79	84
Office of the Secretary of Transportation	19	11	16	9	24	31	46	89	80	179
Pipeline and Hazardous Materials Safety Administration	19	13	10	18	18	21	9	20	17	20
Department of the Treasury	85	10	38	49	47	54	48	53	35	64
Bureau of Engraving and Printing	19	9	38	46	46	54	48	52	35	64
Internal Revenue Service	65	0	0	0	0	NA	NA	NA	NA	NA
Mint	2	1	0	2	*	*	0	1	*	*
Department of Veterans Affairs	583	594	644	685	778	1,475	1,610	1,761	1,764	1,800
Other agencies										
Administrative Office of the U.S. Courts	7	8	7	6	5	4	1	NA	NA	NA
Agency for Global Media	NA	NA	NA	6	5	5	8	9	9	0
Agency for International Development	193	192	167	221	194	82	221	252	252	0
Appalachian Regional Commission	*	1	1	1	1	1	1	1	1	1
Consumer Product Safety Commission	2	2	1	1	*	*	*	*	*	*
Environmental Protection Agency	513	498	492	490	493	526	531	574	540	538
Federal Communications Commission	5	7	5	2	2	0	NA	NA	NA	NA
Federal Trade Commission	3	6	6	6	6	8	3	3	1	*
Library of Congress	2	2	3	2	3	3	3	3	na	na
National Aeronautics and Space Administration	12,013	10,616	10,852	13,338	10,508	11,133	12,199	11,338	11,471	10,868
National Archives and Records Administration	1	1	1	1	*	NA	NA	NA	NA	NA
National Science Foundation	5,468	5,650	5,664	5,741	5,793	5,917	6,386	7,241	7,405	8,168
Nuclear Regulatory Commission	86	67	78	75	70	77	82	69	60	55
Patient-Centered Outcomes Research Trust Fund	354	1,345	492	579	470	460	522	555	607	585
Postal Service	29	73	53	27	18	15	14	7	5	3

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Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	7	4	4	5	6	6
Smithsonian Institution	237	243	263	269	276	288	297	316	168	182
Social Security Administration	129	110	72	146	70	105	79	91	97	58
Tennessee Valley Authority	NA	6	13	10	8	17	28	111	117	85

\* = 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. Beginning with FY 2016, the totals reported for development outlays represent a refinement to this category by more narrowly defining it to be "experimental development." Most notably, totals for development do not include the Department of Defense (DOD) Budget Activity 7 (Operational System Development) nor Budget Activity 8 (Software and Digital Technology Pilot Programs) outlays. Those funds, previously included in DOD's development outlay totals, support the 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. Therefore, the data are not directly comparable with totals reported in previous years. 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://nces.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.