

Table 71. Federal obligations 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	118,274	121,627	133,278	146,801	173,553	193,922	196,639	191,740	199,455	198,703
Departments										
Department of Agriculture	2,380	2,575	2,523	2,666	3,433	2,955	3,315	3,592	3,631	3,355
Agricultural Marketing Service	7	7	7	8	7	13	10	13	29	18
Agricultural Research Service	1,152	1,318	1,229	1,312	2,204	1,556	1,821	1,793	1,925	1,851
Animal and Plant Health Inspection Service	40	39	39	39	40	42	45	48	77	72
Economic Research Service	85	86	86	86	82	85	88	93	91	91
Foreign Agricultural Service	*	*	0	0	0	0	0	NA	NA	NA
Forest Service	354	337	343	337	351	298	339	364	320	291
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	721	774	805	871	738	937	986	1,249	1,090	1,000
Natural Resources Conservation Service	NA	NA	NA	NA	NA	14	16	22	92	23
Rural Business-Cooperative Service	4	3	4	4	3	0	0	NA	NA	NA
Department of Commerce	1,636	1,847	1,832	1,999	1,981	2,242	2,390	3,159	3,576	10,515
Census Bureau	200	220	110	96	111	109	202	284	360	360
National Institute of Standards and Technology	751	807	791	831	878	1,136	958	1,041	1,449	8,100
National Oceanic and Atmospheric Administration	675	812	922	1,064	984	990	1,218	1,815	1,619	1,637
National Telecommunications and Information Administration	11	8	9	8	8	7	13	18	148	418
Department of Defense	44,927	45,164	53,444	59,389	67,007	70,876	72,607	85,827	98,091	93,584
Defense Advanced Research Projects Agency	2,933	2,895	3,018	3,321	3,664	3,606	3,609	3,779	4,177	4,404
Defense Health Agency	NA	NA	NA	NA	2,886	2,852	2,136	2,738	3,215	2,509
Department of the Air Force	7,441	8,324	11,413	15,269	16,310	17,853	18,980	23,929	30,428	30,407
Air Force	7,441	8,324	11,413	15,269	11,924	12,511	14,029	15,713	20,970	19,748
Space Force	na	na	na	na	4,386	5,342	4,951	8,216	9,458	10,658
Department of the Army	6,373	7,531	8,581	10,275	10,786	11,921	12,060	14,470	15,507	14,470
Department of the Navy	16,682	15,285	15,525	15,484	19,159	16,771	17,551	21,360	24,039	22,531
Other defense agencies	11,497	11,129	14,907	15,040	14,202	17,873	18,272	19,552	20,725	19,264
Department of Education	244	262	266	236	240	364	402	372	457	457
Department of Energy	13,343	13,584	14,894	16,622	15,778	16,121	17,977	19,437	19,808	18,763
Advanced Research Projects Agency—Energy	299	274	160	405	438	315	403	471	496	460
Bonneville Power Administration	16	14	NA	NA	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	112	133	146	138	140	129	114	139	164	178
Energy Efficiency and Renewable Energy	1,291	1,445	1,913	2,001	2,150	2,155	1,659	3,022	2,532	2,532
Environmental Management	30	31	38	26	22	30	36	37	33	39
Fossil Energy	609	620	683	682	708	720	588	1,037	1,509	1,185
National Nuclear Security Administration	4,819	4,740	4,531	6,078	4,558	5,180	5,219	5,174	5,495	5,183
Defense Programs	3,198	3,071	2,831	3,998	2,625	3,321	3,456	3,326	3,718	3,464

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Naval Nuclear Propulsion Program	1,375	1,420	1,420	1,789	1,634	1,471	1,382	1,419	1,213	1,153
Office of Defense Nuclear Nonproliferation	245	249	280	292	298	388	381	429	564	566
Nuclear Energy	763	891	1,116	606	573	455	1,176	1,314	1,272	1,034
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	0	52	51	2	37	149	104	138
Office of Science	5,405	5,436	6,308	6,634	7,139	7,135	8,746	8,095	8,203	8,015
Department of Health and Human Services	32,367	33,902	37,116	39,434	61,775	77,050	74,388	53,012	49,183	48,106
Administration for Children and Families	3	2	3	2	2	5	5	7	11	11
Administration for Community Living	83	83	83	83	90	107	107	113	113	112
Advanced Research Projects Agency for Health	NA	NA	NA	NA	NA	NA	NA	794	1,039	1,097
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	10	11	12	19	3	3
Biomedical Advanced Research and Development Authority	NA	NA	NA	736	16,962	34,041	28,414	5,974	1,491	819
Centers for Disease Control and Prevention	521	475	451	419	497	696	565	454	384	369
Centers for Medicare and Medicaid Services	30	29	231	133	224	421	419	35	20	20
Food and Drug Administration	491	380	485	519	484	597	571	726	737	671
Health Resources and Services Administration	41	46	36	33	35	42	40	83	89	83
National Institutes of Health	30,843	32,542	35,473	37,146	43,117	40,775	43,869	44,399	44,888	44,509
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	689	870	913	648	507	549	599	664	540	359
Coast Guard	25	23	23	21	5	10	7	7	8	10
Countering Weapons of Mass Destruction Office	63	69	30	81	37	32	66	67	52	15
Cybersecurity and Infrastructure Security Agency	na	na	7	13	8	13	6	8	0	1
Science and Technology Directorate	601	778	832	511	422	463	502	545	461	315
Secret Service	NA	NA	1	2	13	1	1	4	4	7
Transportation Security Administration	NA	NA	20	21	23	30	18	33	14	12
Department of Housing and Urban Development	67	64	62	61	NA	NA	NA	NA	NA	NA
Department of the Interior	860	868	769	831	844	915	947	522	503	455
Bureau of Indian Affairs	NA	NA	5	5	*	5	5	5	5	5
Bureau of Land Management	18	18	21	21	21	10	12	13	17	15
Bureau of Ocean Energy Management	72	76	78	86	73	77	86	0	NA	NA
Bureau of Reclamation	22	29	23	24	29	40	29	34	33	34
Bureau of Safety and Environmental Enforcement	30	16	7	13	13	32	14	14	15	12
Fish and Wildlife Service	32	33	33	33	33	33	35	41	48	6
Geological Survey	677	688	593	640	665	691	737	409	378	377
National Park Service	9	10	10	10	10	28	28	5	6	6
Office of Surface Mining Reclamation and Enforcement	NA	NA	0	*	1	0	NA	NA	NA	NA
Department of Justice	208	127	107	121	96	93	116	128	152	154

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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	184	115	98	114	84	81	102	108	127	125
Department of Labor	10	5	5	4	5	3	4	2	2	2
Employee Benefits Security Administration	5	3	3	3	3	1	2	2	2	2
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	962	987	1,077	1,052	1,224	1,163	1,132	1,208	1,229	1,238
Federal Aviation Administration	426	435	404	424	470	542	511	471	424	437
Federal Highway Administration	332	352	491	452	512	410	383	435	438	431
Federal Motor Carrier Safety Administration	11	12	9	8	9	13	24	16	16	10
Federal Railroad Administration	44	46	49	41	48	44	40	53	44	30
Federal Transit Administration	35	55	10	3	40	43	13	8	51	7
National Highway Traffic Safety Administration	87	69	76	76	69	66	92	93	108	123
Office of the Secretary of Transportation	18	11	16	20	34	30	45	94	129	178
Pipeline and Hazardous Materials Safety Administration	10	7	22	28	41	16	24	38	21	22
Department of the Treasury	85	8	38	61	61	54	47	53	35	64
Bureau of Engraving and Printing	19	7	38	59	60	54	47	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	695	682	1,349	1,508	1,565	1,698	1,696	1,916	1,869	1,880
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	2	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	12,462	12,638	10,814	13,616	10,574	11,267	11,750	11,824	10,967	10,962
National Archives and Records Administration	1	1	1	1	0	NA	NA	NA	NA	NA
National Science Foundation	6,022	5,946	6,358	6,648	6,793	7,138	7,425	7,971	7,503	7,314
Nuclear Regulatory Commission	81	67	78	75	69	80	61	47	73	41
Patient-Centered Outcomes Research Trust Fund	115	884	492	578	470	460	522	553	605	583
Postal Service	29	73	53	27	18	15	14	7	5	3

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RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	9	0	7	23	7	5
Smithsonian Institution	235	241	261	269	276	63	297	316	168	182
Social Security Administration	129	110	72	146	70	105	79	96	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 obligations in variables represented by this table appear in the table. Beginning with FY 2016, the totals reported for development obligations 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) obligations. Those funds, previously included in DOD's development obligation 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 obligations 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.