

TABLE 71

**Federal obligations for research, development, and R&D plant, by agency: FYs 2015–24**

(Dollars in millions)

Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
All agencies	131,578	118,274	121,627	133,278	146,801	173,553	193,914	196,634	192,081	200,928
Departments										
Department of Agriculture	2,352	2,380	2,575	2,523	2,666	3,433	2,955	3,315	3,592	3,698
Agricultural Marketing Service	7	7	7	7	8	7	13	10	13	14
Agricultural Research Service	1,133	1,152	1,318	1,229	1,312	2,204	1,556	1,821	1,793	1,956
Animal and Plant Health Inspection Service	40	40	39	39	39	40	42	45	48	47
Economic Research Service	85	85	86	86	86	82	85	88	93	91
Foreign Agricultural Service	1	*	*	0	0	0	0	0	NA	NA
Forest Service	340	354	337	343	337	351	298	339	364	311
Grain Inspection, Packers, and Stockyards Administration	8	8	*	na	na	na	na	na	na	na
National Agricultural Statistics Service	9	9	9	9	9	9	9	11	11	11
National Institute of Food and Agriculture	726	721	774	805	871	738	937	986	1,249	1,250
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	14	16	22	18
Rural Business-Cooperative Service	4	4	3	4	4	3	0	0	NA	NA
Department of Commerce	1,519	1,636	1,847	1,832	1,999	1,981	2,242	2,390	3,159	9,540
Census Bureau	142	200	220	110	96	111	109	202	284	312
National Institute of Standards and Technology	674	751	807	791	831	878	1,136	958	1,041	7,510
National Oceanic and Atmospheric Administration	692	675	812	922	1,064	984	990	1,218	1,815	1,571
National Telecommunications and Information Administration	12	11	8	9	8	8	7	13	18	147
Department of Defense	61,683	44,927	45,164	53,444	59,389	67,007	70,876	72,607	86,181	93,221
Defense Advanced Research Projects Agency	2,816	2,933	2,895	3,018	3,321	3,664	3,606	3,609	3,779	4,739
Defense Health Agency	NA	NA	NA	NA	NA	2,886	2,852	2,136	2,738	2,883
Department of the Air Force	22,443	7,441	8,324	11,413	15,269	11,924	12,511	14,029	16,067	17,744
Department of the Army	6,764	6,373	7,531	8,581	10,275	10,786	11,921	12,060	14,470	15,799
Department of the Navy	15,525	16,682	15,285	15,525	15,484	19,159	16,771	17,551	21,360	23,458
Space Force	na	na	na	na	na	4,386	5,342	4,951	8,216	9,667
Other defense agencies	14,135	11,497	11,129	14,907	15,040	14,202	17,873	18,272	19,552	18,930
Department of Education	251	244	262	266	236	240	364	402	372	417
Department of Energy	12,343	13,343	13,584	14,894	16,622	15,778	16,121	17,977	19,437	18,487
Advanced Research Projects Agency–Energy	242	299	274	160	405	438	315	403	471	460
Bonneville Power Administration	16	16	14	NA	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	97	112	133	146	138	140	129	114	139	176
Energy Efficiency and Renewable Energy	1,083	1,291	1,445	1,913	2,001	2,150	2,155	1,659	3,022	2,247
Environmental Management	25	30	31	38	26	22	30	36	37	39
Fossil Energy	540	609	620	683	682	708	720	588	1,037	1,025
National Nuclear Security Administration	4,528	4,819	4,740	4,531	6,078	4,558	5,180	5,219	5,174	5,085

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Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
Defense Programs	3,076	3,198	3,071	2,831	3,998	2,625	3,321	3,456	3,326	3,457
Naval Nuclear Propulsion Program	1,239	1,375	1,420	1,420	1,789	1,634	1,471	1,382	1,419	1,213
Office of Defense Nuclear Nonproliferation	213	245	249	280	292	298	388	381	429	415
Nuclear Energy	728	763	891	1,116	606	573	455	1,176	1,314	1,229
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	0	52	51	2	37	149	216
Office of Science	5,085	5,405	5,436	6,308	6,634	7,139	7,135	8,746	8,095	8,010
Department of Health and Human Services	30,425	32,367	33,902	37,116	39,434	61,775	77,050	74,388	53,012	50,055
Administration for Children and Families	2	3	2	3	2	2	5	5	7	7
Administration for Community Living	76	83	83	83	83	90	107	107	113	113
Advanced Research Projects Agency for Health	NA	NA	NA	NA	NA	NA	NA	NA	794	1,644
Agency for Healthcare Research and Quality	364	334	324	334	338	338	338	350	374	374
Agency for Toxic Substances and Disease Registry	2	2	3	3	7	10	11	12	19	6
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	736	16,962	34,041	28,414	5,974	2,005
Centers for Disease Control and Prevention	489	521	475	451	419	497	696	565	454	399
Centers for Medicare and Medicaid Services	24	30	29	231	133	224	421	419	35	36
Food and Drug Administration	382	491	380	485	519	484	597	571	726	723
Health Resources and Services Administration	42	41	46	36	33	35	42	40	83	81
National Institutes of Health	29,026	30,843	32,542	35,473	37,146	43,117	40,775	43,869	44,399	44,633
Office of the Secretary of Health and Human Services	18	18	17	17	17	16	17	36	34	35
Office of the Assistant Secretary for Planning and Evaluation	18	18	17	17	17	16	17	36	34	35
Department of Homeland Security	1,645	689	870	913	648	507	549	599	664	609
Coast Guard	21	25	23	23	21	5	10	7	7	7
Countering Weapons of Mass Destruction Office	71	63	69	30	81	37	32	66	67	65
Cybersecurity and Infrastructure Security Agency	na	na	na	7	13	8	13	6	8	5
Science and Technology Directorate	1,553	601	778	832	511	422	463	502	545	516
Secret Service	NA	NA	NA	1	2	13	1	1	4	2
Transportation Security Administration	NA	NA	NA	20	21	23	30	18	33	15
Department of Housing and Urban Development	58	67	64	62	61	NA	NA	NA	NA	NA
Department of the Interior	809	860	868	769	831	844	915	947	522	516
Bureau of Indian Affairs	NA	NA	NA	5	5	*	5	5	5	5
Bureau of Land Management	16	18	18	21	21	21	10	12	13	12
Bureau of Ocean Energy Management	50	72	76	78	86	73	77	86	0	0
Bureau of Reclamation	13	22	29	23	24	29	40	29	34	33
Bureau of Safety and Environmental Enforcement	25	30	16	7	13	13	32	14	14	15
Fish and Wildlife Service	30	32	33	33	33	33	33	35	41	48
Geological Survey	666	677	688	593	640	665	691	737	409	398

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Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
National Park Service	8	9	10	10	10	10	28	28	5	5
Office of Surface Mining Reclamation and Enforcement	NA	NA	NA	0	*	1	0	NA	NA	NA
Department of Justice	150	208	127	107	121	96	85	111	115	125
Bureau of Prisons	11	11	10	6	7	8	*	*	*	*
Federal Bureau of Investigation	13	13	2	3	1	5	4	9	6	6
Office of Justice Programs	126	184	115	98	114	84	81	102	108	119
Department of Labor	14	10	5	5	4	5	3	4	2	2
Employee Benefits Security Administration	7	5	3	3	3	3	1	2	2	2
Occupational Safety and Health Administration	3	1	2	2	2	2	2	2	NA	NA
Pension Benefit Guaranty Corporation	4	4	0	0	NA	NA	NA	NA	NA	NA
Department of State	2	2	2	62	62	40	64	65	56	34
Department of Transportation	884	962	987	1,077	1,052	1,224	1,163	1,132	1,208	1,198
Federal Aviation Administration	340	426	435	404	424	470	542	511	471	487
Federal Highway Administration	313	332	352	491	452	512	410	383	435	421
Federal Motor Carrier Safety Administration	8	11	12	9	8	9	13	24	16	17
Federal Railroad Administration	47	44	46	49	41	48	44	40	53	54
Federal Transit Administration	82	35	55	10	3	40	43	13	8	8
National Highway Traffic Safety Administration	63	87	69	76	76	69	66	92	93	109
Office of the Secretary of Transportation	11	18	11	16	20	34	30	45	94	81
Pipeline and Hazardous Materials Safety Administration	22	10	7	22	28	41	16	24	38	22
Department of the Treasury	73	85	8	38	61	61	54	47	53	57
Bureau of Engraving and Printing	9	19	7	38	59	60	54	47	52	57
Internal Revenue Service	64	65	0	0	0	0	NA	NA	NA	NA
Mint	*	2	1	0	2	*	*	0	1	*
Department of Veterans Affairs	662	695	682	1,349	1,508	1,565	1,698	1,696	1,916	1,954
Other agencies										
Administrative Office of the U.S. Courts	NA	7	8	7	6	5	4	1	NA	NA
Agency for Global Media	NA	NA	NA	NA	6	5	5	8	9	9
Agency for International Development	212	193	192	167	221	194	82	221	252	252
Appalachian Regional Commission	*	1	*	1	1	1	1	1	2	*
Consumer Product Safety Commission	2	2	2	1	1	*	*	*	*	*
Environmental Protection Agency	521	513	498	492	490	493	526	531	574	540
Federal Communications Commission	5	5	7	5	2	2	0	NA	NA	NA
Federal Trade Commission	2	3	6	6	6	6	8	3	3	10
Library of Congress	1	2	2	3	2	3	3	3	3	5
National Aeronautics and Space Administration	11,413	12,462	12,638	10,814	13,616	10,574	11,267	11,750	11,824	11,693

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Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
National Archives and Records Administration	1	1	1	1	1	0	NA	NA	NA	NA
National Science Foundation	5,990	6,022	5,946	6,358	6,648	6,793	7,138	7,425	7,971	7,344
Nuclear Regulatory Commission	92	81	67	78	75	69	80	61	47	46
Patient-Centered Outcomes Research Trust Fund	152	115	884	492	578	470	460	522	553	543
Postal Service	28	29	73	53	27	18	15	14	7	6
RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	na	9	0	7	23	1
Smithsonian Institution	229	235	241	261	269	276	63	297	316	332
Social Security Administration	59	129	110	72	146	70	105	79	96	111
Tennessee Valley Authority	NA	NA	6	13	10	8	17	28	111	121

\* = amount greater than \$0 but less than \$500,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data were not collected at that level for that fiscal year.

**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). See technical table A-2 for additional notes associated with the agencies listed in this table.

**Source(s):**

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