

TABLE 71

Federal obligations for research, development, and R&D plant, by agency: FYs 2013–22

(Dollars in millions)

Agency	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 (preliminary)
All agencies	127,626	132,779	131,578	118,274	121,627	133,278	146,801	173,553	194,434	193,551
Departments										
Department of Agriculture	2,031	2,269	2,352	2,380	2,575	2,523	2,666	3,433	2,955	3,285
Agricultural Marketing Service	5	6	7	7	7	7	8	7	13	15
Agricultural Research Service	1,017	1,123	1,133	1,152	1,318	1,229	1,312	2,204	1,556	1,608
Animal and Plant Health Inspection Service	37	40	40	40	39	39	39	40	42	45
Economic Research Service	71	78	85	85	86	86	86	82	85	90
Foreign Agricultural Service	1	*	1	*	*	0	0	0	0	0
Forest Service	337	343	340	354	337	343	337	351	298	355
Grain Inspection, Packers, and Stockyards Administration	6	8	8	8	*	na	na	na	na	na
National Agricultural Statistics Service	7	9	9	9	9	9	9	9	9	11
National Institute of Food and Agriculture	546	657	726	721	774	805	871	738	937	1,148
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	NA	NA	14	13
Rural Business-Cooperative Service	4	6	4	4	3	4	4	3	0	0
Department of Commerce	1,294	1,568	1,519	1,636	1,847	1,832	1,999	1,981	2,242	2,663
Census Bureau	131	259	142	200	220	110	96	111	109	149
National Institute of Standards and Technology	609	666	674	751	807	791	831	878	1,136	1,033
National Oceanic and Atmospheric Administration	547	634	692	675	812	922	1,064	984	990	1,473
National Telecommunications and Information Administration	7	10	12	11	8	9	8	8	7	7
Department of Defense	63,655	65,129	61,683	44,927	45,164	53,444	59,389	67,007	70,876	75,635
Defense Advanced Research Projects Agency	2,372	2,822	2,816	2,933	2,895	3,018	3,321	3,664	3,606	3,809
Defense Health Agency	na	NA	NA	NA	NA	NA	NA	2,886	2,852	2,537
Department of the Air Force	23,600	24,331	22,443	7,441	8,324	11,413	15,269	11,924	12,511	13,362
Department of the Army	7,883	7,332	6,764	6,373	7,531	8,581	10,275	10,786	11,921	12,934
Department of the Navy	15,440	15,591	15,525	16,682	15,285	15,525	15,484	19,159	16,771	18,705
Space Force	na	na	na	na	na	na	na	4,386	5,342	4,593
Other defense agencies	14,360	15,052	14,135	11,497	11,129	14,907	15,040	14,202	17,873	19,695
Department of Education	310	322	251	244	262	266	236	240	364	407
Department of Energy	10,397	11,296	12,343	13,343	13,584	14,894	16,622	15,778	16,121	16,384
Advanced Research Projects Agency—Energy	182	261	242	299	274	160	405	438	315	450
Bonneville Power Administration	14	16	16	16	14	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	83	104	97	112	133	146	138	140	129	127
Energy Efficiency and Renewable Energy	922	870	1,083	1,291	1,445	1,913	2,001	2,150	2,155	2,123
Environmental Management	9	28	25	30	31	38	26	22	30	35
Fossil Energy	358	442	540	609	620	683	682	708	720	765
National Nuclear Security Administration	4,255	4,532	4,528	4,819	4,740	4,531	6,078	4,558	5,180	4,970
Defense Programs	2,968	3,120	3,076	3,198	3,071	2,831	3,998	2,625	3,321	2,930
Naval Nuclear Propulsion Program	994	1,115	1,239	1,375	1,420	1,420	1,789	1,634	1,471	1,653

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Office of Defense Nuclear Nonproliferation	294	297	213	245	249	280	292	298	388	387
Nuclear Energy	263	324	728	763	891	1,116	606	573	455	479
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	na	0	52	51	2	120
Office of Science	4,310	4,720	5,085	5,405	5,436	6,308	6,634	7,139	7,135	7,315
Department of Health and Human Services	29,513	30,799	30,425	32,367	33,902	37,116	39,434	61,775	77,050	69,393
Administration for Children and Families	2	3	2	3	2	3	2	2	5	4
Administration for Community Living	0	0	76	83	83	83	83	90	107	111
Agency for Healthcare Research and Quality	365	364	364	334	324	334	338	338	338	350
Agency for Toxic Substances and Disease Registry	1	1	2	2	3	3	7	10	11	11
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	NA	NA	736	16,962	34,041	26,434
Centers for Disease Control and Prevention	363	409	489	521	475	451	419	497	696	661
Centers for Medicare and Medicaid Services	20	34	24	30	29	231	133	224	421	421
Food and Drug Administration	364	395	382	491	380	485	519	484	597	678
Health Resources and Services Administration	37	38	42	41	46	36	33	35	42	39
National Institutes of Health	28,341	29,536	29,026	30,843	32,542	35,473	37,146	43,117	40,775	40,666
Office of the Secretary of Health and Human Services	19	19	18	18	17	17	17	16	17	18
Office of the Assistant Secretary for Planning and Evaluation	19	19	18	18	17	17	17	16	17	18
Department of Homeland Security	719	944	1,645	689	870	913	648	507	549	621
Coast Guard	23	27	21	25	23	23	21	5	10	7
Countering Weapons of Mass Destruction Office	NA	84	71	63	69	30	81	37	32	39
Cybersecurity and Infrastructure Security Agency	na	na	na	na	na	7	13	8	13	11
Science and Technology Directorate	696	832	1,553	601	778	832	511	422	463	525
Secret Service	NA	NA	NA	NA	NA	1	2	13	1	2
Transportation Security Administration	NA	NA	NA	NA	NA	20	21	23	30	36
Department of Housing and Urban Development	67	54	58	67	64	62	61	NA	NA	NA
Department of the Interior	717	762	809	860	868	769	831	844	915	1,172
Bureau of Indian Affairs	NA	NA	NA	NA	NA	5	5	*	5	4
Bureau of Land Management	NA	NA	16	18	18	21	21	21	10	12
Bureau of Ocean Energy Management	40	48	50	72	76	78	86	73	77	84
Bureau of Reclamation	13	14	13	22	29	23	24	29	40	43
Bureau of Safety and Environmental Enforcement	21	36	25	30	16	7	13	13	32	22
Fish and Wildlife Service	NA	NA	30	32	33	33	33	33	33	33

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Geological Survey	636	649	666	677	688	593	640	665	691	947
National Park Service	7	15	8	9	10	10	10	10	28	28
Office of Surface Mining Reclamation and Enforcement	NA	NA	NA	NA	NA	0	*	1	0	0
Department of Justice	119	161	150	208	127	107	121	96	85	88
Bureau of Prisons	11	11	11	11	10	6	7	8	*	*
Federal Bureau of Investigation	39	10	13	13	2	3	1	5	4	5
Office of Justice Programs	69	140	126	184	115	98	114	84	81	83
Department of Labor	16	14	14	10	5	5	4	5	3	4
Employee Benefits Security Administration	10	7	7	5	3	3	3	3	1	2
Occupational Safety and Health Administration	4	4	3	1	2	2	2	2	2	2
Pension Benefit Guaranty Corp.	3	3	4	4	0	0	NA	NA	NA	NA
Department of State	1	NA	2	2	2	62	62	40	64	67
Department of Transportation	876	848	884	962	987	1,077	1,052	1,224	1,145	1,134
Federal Aviation Administration	310	297	340	426	435	404	424	470	542	552
Federal Highway Administration	397	398	313	332	352	491	452	512	410	391
Federal Motor Carrier Safety Administration	8	8	8	11	12	9	8	9	13	16
Federal Railroad Administration	53	43	47	44	46	49	41	48	44	53
Federal Transit Administration	16	8	82	35	55	10	3	40	43	33
National Highway Traffic Safety Administration	65	65	63	87	69	76	76	69	66	51
Office of the Secretary of Transportation	11	15	11	18	11	16	20	34	12	15
Pipeline and Hazardous Materials Safety Administration	11	14	22	10	7	22	28	41	16	24
Research and Innovative Technology Administration	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Treasury	74	74	73	85	8	38	61	61	54	65
Bureau of Engraving and Printing	9	9	9	19	7	38	59	60	54	64
Internal Revenue Service	65	64	64	65	0	0	0	0	NA	NA
Mint	*	1	*	2	1	0	2	*	*	1
Department of Veterans Affairs	639	589	662	695	682	1,349	1,508	1,565	1,698	1,831
Other agencies										
Administrative Office of the U.S. Courts	NA	NA	NA	7	8	7	6	5	4	1
Agency for Global Media	NA	NA	NA	NA	NA	NA	6	5	5	8
Agency for International Development	125	60	212	193	192	167	221	194	82	82
Appalachian Regional Commission	*	1	*	1	*	1	1	1	1	*
Consumer Product Safety Commission	1	2	2	2	2	1	1	*	*	*
Environmental Protection Agency	530	538	521	513	498	492	490	493	526	531
Federal Communications Commission	5	7	5	5	7	5	2	2	0	0
Federal Trade Commission	3	3	2	3	6	6	6	6	8	9
Library of Congress	1	1	1	2	2	3	2	3	3	3
National Aeronautics and Space Administration	10,494	10,881	11,413	12,462	12,638	10,814	13,616	10,574	11,805	11,503
National Archives and Records Administration	1	1	1	1	1	1	1	0	NA	NA

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Agency	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 (preliminary)
National Science Foundation	5,328	5,800	5,990	6,022	5,946	6,358	6,648	6,793	7,138	7,843
Nuclear Regulatory Commission	76	85	92	81	67	78	75	69	80	82
Patient-Centered Outcomes Research Trust Fund	334	283	152	115	884	492	578	470	460	481
Postal Service	NA	NA	28	29	73	53	27	18	15	16
RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	na	na	na	9	0	7
Smithsonian Institution	240	231	229	235	241	261	269	276	63	95
Social Security Administration	57	60	59	129	110	72	146	70	105	99
Tennessee Valley Authority	NA	NA	NA	NA	6	13	10	8	17	41

* = 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 Systems Development) 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.