

TABLE 83

## Federal obligations for development, by agency: FYs 2015–24

(Dollars in millions)

Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
All agencies	64,928	48,728	49,103	54,837	61,306	82,098	103,718	96,631	84,809	97,037
Departments										
Department of Agriculture	213	202	202	222	230	255	237	275	304	273
Agricultural Marketing Service	3	3	4	4	4	3	7	0	7	7
Agricultural Research Service	113	114	117	120	129	142	151	165	174	188
Animal and Plant Health Inspection Service	21	21	21	21	21	21	21	21	22	22
Forest Service	72	60	57	74	72	85	53	84	96	52
National Agricultural Statistics Service	4	4	4	4	4	4	4	5	5	5
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	1	*	0	0
Department of Commerce	177	198	310	210	253	261	307	321	469	6,805
Census Bureau	101	110	164	54	66	73	53	51	133	137
National Institute of Standards and Technology	3	5	25	10	9	17	101	82	90	6,437
National Oceanic and Atmospheric Administration	74	84	121	146	177	170	153	188	241	210
National Telecommunications and Information Administration	0	0	0	0	0	0	0	0	5	21
Department of Defense	54,822	37,597	37,695	45,321	50,511	57,780	60,971	62,186	74,312	81,167
Defense Advanced Research Projects Agency	1,331	1,397	1,385	1,338	1,578	1,658	1,761	1,811	1,872	2,578
Defense Health Agency	NA	NA	NA	NA	NA	2,706	2,719	1,991	2,428	2,576
Department of the Air Force	20,711	5,559	6,386	9,298	12,970	9,434	10,003	10,973	12,234	13,933
Department of the Army	5,374	4,850	5,847	6,892	8,319	8,880	10,007	10,256	12,304	13,540
Department of the Navy	14,025	15,084	13,696	13,897	13,751	17,416	15,080	15,749	19,356	21,505
Space Force	na	na	na	na	na	4,386	5,243	4,776	8,216	9,667
Other defense agencies	13,382	10,706	10,380	13,895	13,894	13,299	16,159	16,631	17,902	17,368
Department of Education	92	81	88	76	47	51	101	102	89	100
Department of Energy	2,749	2,743	2,724	2,324	3,007	2,928	2,676	2,589	3,571	3,029
Advanced Research Projects Agency—Energy	103	127	123	80	202	219	157	201	235	230
Bonneville Power Administration	9	9	5	NA	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	34	43	53	52	51	61	67	53	77	88
Energy Efficiency and Renewable Energy	607	711	588	401	425	848	719	931	1,701	1,207
Environmental Management	17	20	21	25	18	15	20	24	25	26
Fossil Energy	325	377	375	0	0	0	0	0	0	0
National Nuclear Security Administration	1,566	1,358	1,357	1,413	2,070	1,590	1,605	1,217	1,290	1,261
Defense Programs	449	97	85	150	226	143	375	501	473	342
Naval Nuclear Propulsion Program	1,083	1,216	1,220	1,206	1,789	1,387	1,140	616	700	807
Office of Defense Nuclear Nonproliferation	34	46	52	56	56	59	90	100	117	112
Nuclear Energy	89	97	203	353	228	181	108	147	200	162
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	0	12	14	0	15	43	54

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Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
Department of Health and Human Services	75	87	97	110	837	15,772	33,933	25,825	47	172
Administration for Community Living	4	17	17	17	17	20	0	0	0	0
Advanced Research Projects Agency for Health	NA	NA	NA	NA	NA	NA	NA	NA	0	128
Agency for Healthcare Research and Quality	29	28	24	28	30	30	30	36	36	36
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	736	15,666	33,881	25,769	0	0
Centers for Disease Control and Prevention	29	28	39	65	54	56	14	15	11	7
Health Resources and Services Administration	14	15	17	0	0	0	8	6	0	0
Department of Homeland Security	525	365	581	542	368	282	291	259	392	314
Coast Guard	13	16	15	15	14	3	7	5	0	0
Countering Weapons of Mass Destruction Office	34	25	35	16	50	14	11	31	28	27
Cybersecurity and Infrastructure Security Agency	na	na	na	0	0	1	3	2	5	3
Science and Technology Directorate	478	323	531	490	281	229	240	204	323	268
Secret Service	NA	NA	NA	1	2	13	1	1	4	2
Transportation Security Administration	NA	NA	NA	20	21	23	28	16	32	14
Department of Housing and Urban Development	20	24	23	22	0	NA	NA	NA	NA	NA
Department of the Interior	120	131	141	116	137	139	148	155	41	43
Bureau of Land Management	1	1	1	7	7	7	1	1	*	2
Bureau of Ocean Energy Management	6	12	12	13	20	14	14	19	0	0
Bureau of Reclamation	2	2	5	5	7	8	20	10	4	4
Bureau of Safety and Environmental Enforcement	3	4	3	*	2	3	*	3	3	4
Geological Survey	106	111	119	91	101	107	112	120	34	33
National Park Service	1	1	1	0	0	0	1	1	0	0
Department of Justice	21	51	40	15	16	12	6	8	13	13
Bureau of Prisons	8	8	8	4	5	6	*	*	*	*
Federal Bureau of Investigation	13	13	2	0	0	0	0	0	0	0
Office of Justice Programs	0	30	30	11	10	6	6	8	13	13
Department of Labor	4	4	0	0	NA	NA	NA	NA	NA	NA
Pension Benefit Guaranty Corporation	4	4	0	0	NA	NA	NA	NA	NA	NA
Department of State	0	0	0	0	0	10	20	20	17	11
Department of Transportation	193	312	253	295	267	284	285	265	268	252
Federal Aviation Administration	106	196	186	181	194	185	240	217	208	219
Federal Highway Administration	40	85	46	71	37	40	37	41	42	18
Federal Motor Carrier Safety Administration	0	1	1	1	0	0	*	3	6	5
Federal Railroad Administration	11	11	10	14	7	12	7	4	4	4
Federal Transit Administration	9	0	0	0	0	0	1	1	2	2
Office of the Secretary of Transportation	10	14	8	13	12	22	0	0	0	0

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Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
Pipeline and Hazardous Materials Safety Administration	17	5	2	16	17	25	0	0	6	4
Department of the Treasury	1	3	7	0	11	11	8	10	53	57
Bureau of Engraving and Printing	1	3	7	0	11	11	7	10	52	57
Mint	0	0	0	0	0	0	*	0	1	*
Department of Veterans Affairs	18	18	13	29	30	29	137	91	36	39
Other agencies										
Agency for International Development	0	44	0	46	49	59	30	68	52	52
Environmental Protection Agency	75	78	76	74	81	77	117	119	128	120
Federal Communications Commission	0	0	1	1	0	0	0	NA	NA	NA
Library of Congress	1	1	1	2	1	2	2	3	3	4
National Aeronautics and Space Administration	5,821	6,791	6,849	5,424	5,459	4,144	4,436	4,318	4,922	4,479
Nuclear Regulatory Commission	0	0	0	0	0	1	3	0	0	0
Tennessee Valley Authority	NA	NA	3	7	4	2	8	17	93	107

\* = 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.