

TABLE 83

## Federal obligations for development, by agency: FYs 2014–23

(Dollars in millions)

Agency	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (preliminary)
All agencies	67,370	64,928	48,728	49,103	54,837	61,306	82,098	103,718	96,615	86,967
Departments										
Department of Agriculture	198	213	202	202	222	230	255	237	275	266
Agricultural Marketing Service	3	3	3	4	4	4	3	7	0	0
Agricultural Research Service	112	113	114	117	120	129	142	151	165	186
Animal and Plant Health Inspection Service	21	21	21	21	21	21	21	21	21	23
Forest Service	59	72	60	57	74	72	85	53	84	53
National Agricultural Statistics Service	4	4	4	4	4	4	4	4	5	5
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	NA	1	*	0
Department of Commerce	98	177	198	310	210	253	261	307	321	739
Census Bureau	32	101	110	164	54	66	73	53	51	90
National Institute of Standards and Technology	3	3	5	25	10	9	17	101	82	448
National Oceanic and Atmospheric Administration	63	74	84	121	146	177	170	153	188	200
Department of Defense	58,276	54,822	37,597	37,695	45,321	50,511	57,780	60,971	62,186	76,932
Defense Advanced Research Projects Agency	1,286	1,331	1,397	1,385	1,338	1,578	1,658	1,761	1,811	1,996
Defense Health Agency	NA	NA	NA	NA	NA	NA	2,706	2,719	1,991	2,383
Department of the Air Force	22,637	20,711	5,559	6,386	9,298	12,970	9,434	10,003	10,973	12,856
Department of the Army	5,914	5,374	4,850	5,847	6,892	8,319	8,880	10,007	10,256	13,122
Department of the Navy	14,084	14,025	15,084	13,696	13,897	13,751	17,416	15,080	15,749	19,727
Space Force	na	na	na	na	na	na	4,386	5,243	4,776	8,470
Other defense agencies	14,355	13,382	10,706	10,380	13,895	13,894	13,299	16,159	16,631	18,377
Department of Education	114	92	81	88	76	47	51	101	102	90
Department of Energy	2,434	2,749	2,743	2,724	2,324	3,007	2,928	2,676	2,589	2,797
Advanced Research Projects Agency–Energy	111	103	127	123	80	202	219	157	201	235
Bonneville Power Administration	9	9	9	5	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	38	34	43	53	52	51	61	67	53	81
Energy Efficiency and Renewable Energy	326	607	711	588	401	425	848	719	931	1,038
Environmental Management	11	17	20	21	25	18	15	20	24	29
Fossil Energy	264	325	377	375	0	0	0	0	0	0
National Nuclear Security Administration	1,647	1,566	1,358	1,357	1,413	2,070	1,590	1,605	1,217	1,193
Defense Programs	507	449	97	85	150	226	143	375	501	384
Naval Nuclear Propulsion Program	1,094	1,083	1,216	1,220	1,206	1,789	1,387	1,140	616	700
Office of Defense Nuclear Nonproliferation	46	34	46	52	56	56	59	90	100	109
Nuclear Energy	28	89	97	203	353	228	181	108	147	204
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	0	12	14	0	15	17
Department of Health and Human Services	69	75	87	97	110	837	15,772	33,933	25,825	56
Administration for Community Living	0	4	17	17	17	17	20	0	0	0
Agency for Healthcare Research and Quality	29	29	28	24	28	30	30	30	36	36
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	NA	736	15,666	33,881	25,769	0
Centers for Disease Control and Prevention	30	29	28	39	65	54	56	14	15	15
Health Resources and Services Administration	10	14	15	17	0	0	0	8	6	5

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Agency	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (preliminary)
Department of Homeland Security	327	525	365	581	542	368	282	291	243	305
Coast Guard	18	13	16	15	15	14	3	7	5	5
Countering Weapons of Mass Destruction Office	5	34	25	35	16	50	14	11	31	26
Cybersecurity and Infrastructure Security Agency	na	na	na	na	0	0	1	3	2	5
Science and Technology Directorate	304	478	323	531	490	281	229	240	204	266
Secret Service	NA	NA	NA	NA	1	2	13	1	1	4
Transportation Security Administration	NA	NA	NA	NA	20	21	23	28	*	*
Department of Housing and Urban Development	18	20	24	23	22	0	NA	NA	NA	NA
Department of the Interior	108	120	131	141	116	137	139	148	155	166
Bureau of Land Management	NA	1	1	1	7	7	7	1	1	*
Bureau of Ocean Energy Management	0	6	12	12	13	20	14	14	19	17
Bureau of Reclamation	3	2	2	5	5	7	8	20	10	16
Bureau of Safety and Environmental Enforcement	*	3	4	3	*	2	3	*	3	2
Geological Survey	104	106	111	119	91	101	107	112	120	130
National Park Service	1	1	1	1	0	0	0	1	1	1
Department of Justice	18	21	51	40	15	16	12	6	8	15
Bureau of Prisons	9	8	8	8	4	5	6	*	*	*
Federal Bureau of Investigation	10	13	13	2	0	0	0	0	0	0
Office of Justice Programs	*	0	30	30	11	10	6	6	8	15
Department of Labor	3	4	4	0	0	NA	NA	NA	NA	NA
Pension Benefit Guaranty Corp.	3	4	4	0	0	NA	NA	NA	NA	NA
Department of State	NA	0	0	0	0	0	10	20	20	20
Department of Transportation	175	193	312	253	295	267	284	285	265	266
Federal Aviation Administration	83	106	196	186	181	194	185	240	217	230
Federal Highway Administration	59	40	85	46	71	37	40	37	41	27
Federal Motor Carrier Safety Administration	*	0	1	1	1	0	0	*	3	3
Federal Railroad Administration	10	11	11	10	14	7	12	7	4	5
Federal Transit Administration	0	9	0	0	0	0	0	1	1	1
Office of the Secretary of Transportation	11	10	14	8	13	12	22	0	0	0
Pipeline and Hazardous Materials Safety Administration	12	17	5	2	16	17	25	0	0	0
Department of the Treasury	1	1	3	7	0	11	11	8	10	24
Bureau of Engraving and Printing	1	1	3	7	0	11	11	7	10	24
Mint	0	0	0	0	0	0	0	*	0	0
Department of Veterans Affairs	35	18	18	13	29	30	29	137	91	93
Other agencies										
Agency for International Development	0	0	44	0	46	49	59	30	68	68
Environmental Protection Agency	77	75	78	76	74	81	77	117	119	128
Federal Communications Commission	0	0	0	1	1	0	0	0	NA	NA
Library of Congress	1	1	1	1	2	1	2	2	3	3
National Aeronautics and Space Administration	5,418	5,821	6,791	6,849	5,424	5,459	4,144	4,436	4,318	4,919
Nuclear Regulatory Commission	0	0	0	0	0	0	1	3	0	0
Tennessee Valley Authority	NA	NA	NA	3	7	4	2	8	17	81

\* = 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) 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.