

TABLE 115

Federal obligations for development, by agency: FYs 2012–21

(Dollars in millions)

Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
All agencies	76,538.3	66,187.8	67,369.9	64,927.8	48,728.1	49,103.5	54,837.2	61,306.4	82,098.0	94,309.8
Departments										
Department of Agriculture	207.2	151.2	198.5	212.7	201.9	202.1	222.0	230.1	255.2	229.1
Agricultural Marketing Service	2.1	2.5	2.9	3.4	3.3	3.6	3.6	3.9	3.5	3.5
Agricultural Research Service	109.0	101.4	112.2	113.2	114.4	117.0	120.1	129.2	142.4	158.7
Animal and Plant Health Inspection Service	37.4	19.1	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.9
Forest Service	58.6	28.1	58.8	71.6	59.6	56.9	73.5	72.2	84.7	41.7
National Agricultural Statistics Service	0.0	0.0	4.0	3.8	3.9	4.0	4.2	4.2	4.0	4.3
Department of Commerce	66.3	69.0	97.8	177.4	198.0	310.2	209.9	252.8	260.9	360.3
National Institute of Standards and Technology	5.2	9.1	2.8	2.7	4.6	25.1	10.2	9.4	17.5	164.3
National Oceanic and Atmospheric Administration	36.7	43.7	62.7	73.6	83.6	120.8	145.6	177.0	170.3	145.7
U.S. Census Bureau	24.4	16.2	32.3	101.1	109.8	164.2	54.1	66.4	73.2	50.3
Department of Defense	67,141.6	57,602.4	58,276.1	54,822.1	37,596.6	37,694.6	45,320.5	50,511.1	57,779.7	60,047.8
Defense Advanced Research Projects Agency	1,253.4	1,103.9	1,286.0	1,330.7	1,397.5	1,385.2	1,338.2	1,577.7	1,658.0	1,705.2
Defense Health Agency	na	na	NA	NA	NA	NA	NA	NA	2,706.4	2,518.6
Department of the Air Force	25,819.2	22,021.9	22,636.9	20,710.9	5,559.1	6,386.2	9,297.9	12,969.9	9,434.4	9,103.4
Department of the Army	7,886.7	6,626.4	5,913.8	5,373.8	4,850.0	5,847.2	6,892.2	8,318.6	8,879.7	10,179.3
Department of the Navy	16,314.4	14,123.8	14,084.2	14,024.6	15,083.9	13,696.2	13,896.8	13,750.5	17,416.1	16,943.6
Operational Test and Evaluation, Director	*	*	na	na	na	na	na	na	na	na
U.S. Space Force	na	na	na	na	na	na	na	na	4,385.7	5,038.9
Other defense agencies	15,867.9	13,726.5	14,355.2	13,382.1	10,706.1	10,379.8	13,895.5	13,894.4	13,299.4	14,558.7
Department of Education	129.7	107.7	113.6	91.6	81.1	87.8	76.3	47.2	50.7	117.5
Department of Energy	2,590.7	2,507.6	2,434.2	2,749.5	2,743.3	2,723.9	2,324.1	3,006.7	2,927.9	3,599.9
Advanced Research Projects Agency—Energy	46.4	90.2	110.9	102.7	127.2	123.2	80.0	202.5	219.0	213.5
Bonneville Power Administration	9.2	1.9	8.7	8.8	8.8	4.8	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	37.3	29.5	38.4	34.1	43.1	52.6	51.7	50.8	61.4	69.2
Energy Efficiency and Renewable Energy	544.9	388.2	326.3	606.6	711.2	588.0	401.4	425.5	847.9	700.5
Environmental Management	31.2	6.1	11.4	16.8	19.9	21.1	25.4	17.5	14.9	19.6
Fossil Energy	201.7	188.3	263.9	325.2	377.4	374.8	0.0	0.0	0.0	0.0
National Nuclear Security Administration	1,695.2	1,776.1	1,646.6	1,566.5	1,358.4	1,356.6	1,412.7	2,070.5	1,590.1	2,444.5
Defense Programs	619.0	744.7	506.5	448.6	97.0	84.7	150.4	226.3	143.1	915.2
Naval Nuclear Propulsion Program	1,040.1	994.0	1,093.7	1,083.4	1,215.7	1,220.0	1,205.8	1,788.6	1,387.4	1,443.4
Office of Defense Nuclear Nonproliferation	36.1	37.4	46.4	34.5	45.8	51.8	56.4	55.5	59.5	85.9
Nuclear Energy	24.8	27.4	28.0	88.8	97.3	202.8	352.9	228.1	180.8	130.2
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	na	na	0.0	11.9	13.8	22.4

TABLE 115

Federal obligations for development, by agency: FYs 2012–21

(Dollars in millions)

Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
Department of Health and Human Services	71.4	67.9	68.8	75.4	87.1	96.8	109.8	836.8	15,772.0	25,454.3
Administration for Community Living	0.0	0.0	0.0	3.6	17.0	17.0	17.1	17.2	19.6	19.6
Agency for Healthcare Research and Quality	29.3	29.2	29.0	29.0	27.8	23.9	27.9	29.9	29.9	0.0
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	NA	NA	NA	736.2	15,666.4	25,378.6
Centers for Disease Control and Prevention	31.4	28.6	29.7	29.0	27.6	39.4	64.9	53.6	56.1	56.1
Health Resources and Services Administration	10.7	10.1	10.1	13.8	14.7	16.6	0.0	0.0	0.0	0.0
Department of Homeland Security	295.2	250.2	326.6	525.4	364.6	580.6	542.5	367.6	282.2	300.6
Countering Weapons of Mass Destruction Office	NA	NA	5.1	34.0	25.3	35.0	15.7	50.2	13.5	10.8
Cybersecurity and Infrastructure Security Agency	na	na	na	na	na	na	0.0	0.0	0.7	1.1
Science and Technology Directorate	268.3	235.4	303.8	478.2	322.8	530.5	490.5	281.2	228.9	240.0
Transportation Security Administration	NA	NA	NA	NA	NA	NA	20.2	20.6	22.9	29.5
U.S. Coast Guard	26.9	14.8	17.7	13.2	16.4	15.1	15.1	13.7	3.5	7.2
U.S. Secret Service	NA	NA	NA	NA	NA	NA	1.0	1.9	12.7	11.9
Department of Housing and Urban Development	26.4	23.3	17.8	20.3	23.9	22.7	21.6	0.0	NA	NA
Department of the Interior	113.3	106.0	108.3	119.7	130.6	140.7	116.0	137.1	138.9	143.4
Bureau of Land Management	NA	NA	NA	1.0	1.0	1.0	7.0	7.0	7.0	3.6
Bureau of Ocean Energy Management	0.0	0.0	0.0	6.4	12.1	12.4	12.7	20.4	13.6	16.5
Bureau of Reclamation	2.5	2.5	3.0	2.4	2.3	4.7	4.7	6.7	8.3	8.4
Bureau of Safety and Environmental Enforcement	2.6	1.2	0.3	3.0	3.7	3.1	0.3	1.5	2.7	2.8
National Park Service	0.2	0.5	1.1	0.7	0.7	0.8	0.0	0.0	0.0	0.0
U.S. Geological Survey	108.0	101.8	103.9	106.1	110.7	118.8	91.4	101.4	107.3	112.1
Department of Justice	9.6	41.0	18.3	21.3	51.1	40.2	15.4	15.8	11.9	12.9
Bureau of Prisons	8.8	8.6	8.6	8.4	8.4	7.7	4.4	5.3	6.3	6.7
Federal Bureau of Investigation	0.8	32.4	9.6	12.9	13.0	2.2	0.0	0.0	0.0	0.0
Office of Justice Programs	0.0	0.0	0.1	0.0	29.7	30.3	11.0	10.5	5.6	6.1
Department of Labor	2.5	2.4	2.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	2.5	2.4	2.9	3.9	3.9	0.0	0.0	NA	NA	NA
Department of State	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0	10.0	13.0
Department of Transportation	200.0	200.3	175.2	192.9	311.8	253.0	295.1	266.9	284.0	303.3
Federal Aviation Administration	112.9	95.0	82.9	106.1	195.8	186.2	180.5	193.9	184.9	239.0
Federal Highway Administration	54.5	70.1	58.8	39.8	85.0	46.3	71.0	36.7	40.4	20.9

TABLE 115

Federal obligations for development, by agency: FYs 2012–21

(Dollars in millions)

Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
Federal Motor Carrier Safety Administration	0.4	0.5	0.4	0.0	0.9	0.5	0.5	0.0	0.0	0.0
Federal Railroad Administration	12.1	11.0	10.2	11.2	10.8	10.2	14.1	7.5	11.6	11.8
Federal Transit Administration	0.8	2.8	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary of Transportation	8.9	10.9	11.1	9.5	14.2	8.2	13.0	11.6	22.2	18.2
Pipeline and Hazardous Materials Safety Administration	9.0	8.7	11.8	17.0	5.0	1.6	16.0	17.2	24.8	13.4
Research and Innovative Technology Administration	1.6	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Treasury	0.3	0.8	0.6	0.6	2.8	6.9	0.0	11.0	11.0	11.0
Bureau of Engraving and Printing	0.3	0.8	0.6	0.6	2.8	6.9	0.0	11.0	11.0	11.0
Department of Veterans Affairs	37.6	35.0	35.3	18.1	17.8	13.5	29.1	30.3	29.3	31.8
Other agencies										
Agency for International Development	0.0	0.0	0.0	0.0	44.3	0.0	46.2	48.9	59.4	59.4
Environmental Protection Agency	85.7	76.6	77.5	75.2	78.0	76.2	74.5	80.5	76.6	117.4
Federal Communications Commission	0.0	0.0	0.0	0.0	0.0	1.1	0.7	0.0	0.0	0.0
Library of Congress	0.6	0.6	0.6	0.6	0.7	1.0	2.5	1.0	1.6	1.5
National Aeronautics and Space Administration	5,560.2	4,945.7	5,418.0	5,821.3	6,790.6	6,849.4	5,423.6	5,458.6	4,143.7	3,501.8
Nuclear Regulatory Commission	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.4
Tennessee Valley Authority	NA	NA	NA	NA	NA	3.0	7.3	4.1	2.0	2.6

* = amount greater than \$0 but less than \$50,000. 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 and 2021 obligations include additional funding provided by supplemental COVID-19 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 Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.