

TABLE 115

**Federal obligations for development, by agency: FYs 2011–20**

(Dollars in millions)

Agency	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 (preliminary)
All agencies	77,467.8	76,538.3	66,187.8	67,369.9	64,927.8	48,728.1	49,103.5	54,837.2	61,306.4	65,622.2
Departments										
Department of Agriculture	216.0	207.2	151.2	198.5	212.7	201.9	202.1	222.0	230.1	214.9
Agricultural Marketing Service	2.1	2.1	2.5	2.9	3.4	3.3	3.6	3.6	3.9	3.5
Agricultural Research Service	113.3	109.0	101.4	112.2	113.2	114.4	117.0	120.1	129.2	141.4
Animal and Plant Health Inspection Service	29.0	37.4	19.1	20.6	20.7	20.7	20.7	20.7	20.7	20.7
Forest Service	71.6	58.6	28.1	58.8	71.6	59.6	56.9	73.5	72.2	45.8
National Agricultural Statistics Service	0.0	0.0	0.0	4.0	3.8	3.9	4.0	4.2	4.2	3.6
Department of Commerce	126.2	66.3	69.0	97.8	177.4	198.0	310.2	209.9	252.8	251.4
National Institute of Standards and Technology	34.0	5.2	9.1	2.8	2.7	4.6	25.1	10.2	9.4	20.5
National Oceanic and Atmospheric Administration	43.5	36.7	43.7	62.7	73.6	83.6	120.8	145.6	177.0	149.6
U.S. Census Bureau	48.7	24.4	16.2	32.3	101.1	109.8	164.2	54.1	66.4	81.3
Department of Defense	68,562.2	67,141.6	57,602.4	58,276.1	54,822.1	37,596.6	37,694.6	45,320.5	50,511.1	53,996.4
Defense Advanced Research Projects Agency	1,462.3	1,253.4	1,103.9	1,286.0	1,330.7	1,397.5	1,385.2	1,338.2	1,577.7	1,672.4
Department of the Air Force	24,826.1	25,819.2	22,021.9	22,636.9	20,710.9	5,559.1	6,386.2	9,297.9	12,969.9	13,457.0
Department of the Army	8,353.3	7,886.7	6,626.4	5,913.8	5,373.8	4,850.0	5,847.2	6,892.2	8,318.6	8,941.9
Department of the Navy	16,497.1	16,314.4	14,123.8	14,084.2	14,024.6	15,083.9	13,696.2	13,896.8	13,750.5	15,240.2
Operational Test and Evaluation, Director	na	na	na	na	na	na	na	na	na	na
Other defense agencies	17,423.3	15,867.9	13,726.5	14,355.2	13,382.1	10,706.1	10,379.8	13,895.5	13,894.4	14,684.8
Department of Education	133.1	129.7	107.7	113.6	91.6	81.1	87.8	76.3	47.2	50.9
Department of Energy	2,595.7	2,590.7	2,507.6	2,434.2	2,749.5	2,743.3	2,723.9	2,324.1	3,006.7	3,454.3
Advanced Research Projects Agency—Energy	47.1	46.4	90.2	110.9	102.7	127.2	123.2	80.0	202.5	212.5
Bonneville Power Administration	7.9	9.2	1.9	8.7	8.8	8.8	4.8	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	27.0	37.3	29.5	38.4	34.1	43.1	52.6	51.7	50.8	70.6
Energy Efficiency and Renewable Energy	395.7	544.9	388.2	326.3	606.6	711.2	588.0	401.4	425.5	1,020.3
Environmental Management	45.2	31.2	6.1	11.4	16.8	19.9	21.1	25.4	17.5	7.8
Fossil Energy	225.8	201.7	188.3	263.9	325.2	377.4	374.8	0.0	0.0	0.0
National Nuclear Security Administration	1,785.9	1,695.2	1,776.1	1,646.6	1,566.5	1,358.4	1,356.6	1,412.7	2,070.5	1,948.8
Defense Programs	796.3	619.0	744.7	506.5	448.6	97.0	84.7	150.4	226.3	236.7
Naval Nuclear Propulsion Program	941.7	1,040.1	994.0	1,093.7	1,083.4	1,215.7	1,220.0	1,205.8	1,788.6	1,648.4
Office of Defense Nuclear Nonproliferation	47.9	36.1	37.4	46.4	34.5	45.8	51.8	56.4	55.5	63.7
Nuclear Energy	61.0	24.8	27.4	28.0	88.8	97.3	202.8	352.9	228.1	175.1
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	na	na	na	0.0	11.9	19.3
Department of Health and Human Services	78.0	71.4	67.9	68.8	75.4	87.1	96.8	109.8	836.8	818.7

TABLE 115

**Federal obligations for development, by agency: FYs 2011–20**

(Dollars in millions)

Agency	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 (preliminary)
Administration for Community Living	0.0	0.0	0.0	0.0	3.6	17.0	17.0	17.1	17.2	18.4
Agency for Healthcare Research and Quality	29.7	29.3	29.2	29.0	29.0	27.8	23.9	27.9	29.9	0.0
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	NA	NA	NA	NA	736.2	747.0
Centers for Disease Control and Prevention	38.3	31.4	28.6	29.7	29.0	27.6	39.4	64.9	53.6	53.3
Health Resources and Services Administration	10.1	10.7	10.1	10.1	13.8	14.7	16.6	0.0	0.0	0.0
Department of Homeland Security	311.0	295.2	250.2	326.6	525.4	364.6	580.6	542.5	367.6	274.8
Countering Weapons of Mass Destruction Office	NA	NA	NA	5.1	34.0	25.3	35.0	15.7	50.2	17.3
Science and Technology Directorate	296.8	268.3	235.4	303.8	478.2	322.8	530.5	490.5	281.2	229.0
Transportation Security Administration	NA	NA	NA	NA	NA	NA	NA	20.2	20.6	22.9
U.S. Coast Guard	14.2	26.9	14.8	17.7	13.2	16.4	15.1	15.1	13.7	3.5
U.S. Secret Service	NA	NA	NA	NA	NA	NA	NA	1.0	1.9	2.1
Department of Housing and Urban Development	24.1	26.4	23.3	17.8	20.3	23.9	22.7	21.6	0.0	0.0
Department of the Interior	76.5	113.3	106.0	108.3	119.7	130.6	140.7	116.0	137.1	164.8
Bureau of Land Management	NA	NA	NA	NA	1.0	1.0	1.0	7.0	7.0	7.0
Bureau of Ocean Energy Management	na	0.0	0.0	0.0	6.4	12.1	12.4	12.7	20.4	29.7
Bureau of Reclamation	2.9	2.5	2.5	3.0	2.4	2.3	4.7	4.7	6.7	18.9
Bureau of Safety and Environmental Enforcement	na	2.6	1.2	0.3	3.0	3.7	3.1	0.3	1.5	1.9
National Park Service	0.9	0.2	0.5	1.1	0.7	0.7	0.8	0.0	0.0	0.0
U.S. Geological Survey	72.8	108.0	101.8	103.9	106.1	110.7	118.8	91.4	101.4	107.3
Department of Justice	17.8	9.6	41.0	18.3	21.3	51.1	40.2	15.4	15.8	16.5
Bureau of Prisons	8.2	8.8	8.6	8.6	8.4	8.4	7.7	4.4	5.3	5.8
Federal Bureau of Investigation	9.7	0.8	32.4	9.6	12.9	13.0	2.2	0.0	0.0	0.0
Office of Justice Programs	0.0	0.0	0.0	0.1	0.0	29.7	30.3	11.0	10.5	10.7
Department of Labor	2.6	2.5	2.4	2.9	3.9	3.9	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	2.6	2.5	2.4	2.9	3.9	3.9	0.0	0.0	NA	NA
Department of Transportation	204.4	200.0	200.3	175.2	192.9	311.8	253.0	295.1	266.9	421.9
Federal Aviation Administration	119.5	112.9	95.0	82.9	106.1	195.8	186.2	180.5	193.9	343.9
Federal Highway Administration	44.3	54.5	70.1	58.8	39.8	85.0	46.3	71.0	36.7	25.8
Federal Motor Carrier Safety Administration	0.6	0.4	0.5	0.4	0.0	0.9	0.5	0.5	0.0	0.0
Federal Railroad Administration	24.0	12.1	11.0	10.2	11.2	10.8	10.2	14.1	7.5	6.0
Federal Transit Administration	0.6	0.8	2.8	0.0	9.2	0.0	0.0	0.0	0.0	0.0

TABLE 115

**Federal obligations for development, by agency: FYs 2011–20**

(Dollars in millions)

Agency	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 (preliminary)
Office of the Secretary of Transportation	9.3	8.9	10.9	11.1	9.5	14.2	8.2	13.0	11.6	11.8
Pipeline and Hazardous Materials Safety Administration	4.6	9.0	8.7	11.8	17.0	5.0	1.6	16.0	17.2	34.3
Research and Innovative Technology Administration	1.6	1.6	1.3	na	na	na	na	na	na	na
Department of the Treasury	0.6	0.3	0.8	0.6	0.6	2.8	6.9	0.0	11.0	11.0
Bureau of Engraving and Printing	0.6	0.3	0.8	0.6	0.6	2.8	6.9	0.0	11.0	11.0
Department of Veterans Affairs	37.5	37.6	35.0	35.3	18.1	17.8	13.5	29.1	30.3	32.2
Other agencies										
Agency for International Development	0.0	0.0	0.0	0.0	0.0	44.3	0.0	46.2	48.9	48.9
Environmental Protection Agency	85.6	85.7	76.6	77.5	75.2	78.0	76.2	74.5	80.5	76.6
Federal Communications Commission	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	0.0	0.0
Library of Congress	0.6	0.6	0.6	0.6	0.6	0.7	1.0	2.5	1.0	1.6
National Aeronautics and Space Administration	4,995.8	5,560.2	4,945.7	5,418.0	5,821.3	6,790.6	6,849.4	5,423.6	5,458.6	5,785.1
Tennessee Valley Authority	NA	NA	NA	NA	NA	NA	3.0	7.3	4.1	2.3

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. FY 2020 preliminary data do not include obligations from 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.