

TABLE 48. Federal obligations for applied research, by agency and field of science and engineering: FY 2011

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
All agencies	28,710,112.8	1,585,881.0	6,889,194.1	1,410,744.0	14,035,209.5	1,611,616.8	908,091.6	891,445.4	1,377,930.3
Departments									
Department of Agriculture	1,162,032.7	5,940.6	24,452.7	17,223.0	909,903.1	45,239.2	0.0	159,274.1	0.0
Agricultural Marketing Service	2,143.3	0.0	0.0	0.0	2,143.3	0.0	0.0	0.0	0.0
Agricultural Research Service	453,200.6	589.2	4,078.8	1,994.1	416,355.4	30,183.2	0.0	0.0	0.0
Economic Research Service	73,522.0	0.0	0.0	0.0	0.0	0.0	0.0	73,522.0	0.0
Foreign Agricultural Service	441.9	0.0	0.0	0.0	441.9	0.0	0.0	0.0	0.0
Forest Service	191,997.1	1,265.0	4,673.9	3,070.9	132,493.1	3,373.1	0.0	47,121.1	0.0
National Agricultural Statistics Service	4,086.4	4,086.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	434,957.0	0.0	15,700.0	12,158.0	357,985.0	11,683.0	0.0	37,431.0	0.0
Rural Business-Cooperative Service	1,684.4	0.0	0.0	0.0	484.4	0.0	0.0	1,200.0	0.0
Department of Commerce	775,428.7	78,525.4	179,175.2	349,784.9	50,514.7	76,661.0	800.8	18,880.3	21,086.4
Economic Development Administration	208.0	0.0	0.0	0.0	0.0	0.0	0.0	208.0	0.0
National Institute of Standards and Technology	307,857.9	68,241.5	165,643.5	111.9	6,251.7	60,388.0	0.0	0.0	7,221.4
National Oceanic and Atmospheric Administration	448,759.0	3,755.0	5,723.0	349,673.0	44,263.0	16,273.0	0.0	15,207.0	13,865.0
National Telecommunications and Information Administration	7,808.8	0.0	7,808.8	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	10,795.0	6,528.9	0.0	0.0	0.0	0.0	800.8	3,465.3	0.0
Department of Defense	4,710,348.0	626,903.2	2,695,135.9	109,025.9	594,361.2	450,748.5	44,210.0	58,692.8	131,270.4
Defense Advanced Research Projects Agency	1,129,800.0	325,526.1	552,816.6	4,750.2	155,877.8	46,220.6	0.0	44,608.7	0.0
Department of the Air Force	1,203,199.1	96,346.1	791,435.3	4,814.2	24,668.6	200,741.3	19,525.3	0.0	65,668.3
Department of the Army	1,063,404.7	77,841.9	600,664.1	24,986.3	223,868.4	113,757.0	17,781.0	350.0	4,156.1
Department of the Navy	748,435.1	41,785.7	567,649.5	68,821.5	41,320.1	2,505.6	0.0	9,611.1	16,741.6
Other defense agencies ^a	565,509.0	85,403.4	182,570.5	5,653.7	148,626.4	87,524.0	6,903.7	4,123.0	44,704.4
Department of Education	205,544.3	0.0	7,032.5	0.0	13,221.1	0.0	12,208.4	135,451.7	37,630.6
Department of Energy	3,388,369.1	583,540.1	1,944,414.9	48,704.4	34,449.5	777,125.1	0.0	0.0	135.2
Advanced Research Projects Agency—Energy	127,788.2	4,710.6	84,094.0	0.0	34,207.0	4,776.6	0.0	0.0	0.0
Bonneville Power Administration	1,320.5	0.0	1,320.5	0.0	0.0	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	55,331.6	0.0	55,331.6	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	465,900.0	0.0	465,900.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Management	22,265.0	0.0	0.0	22,265.0	0.0	0.0	0.0	0.0	0.0
Fossil Energy	180,659.0	0.0	134,887.5	17,113.4	0.0	28,658.2	0.0	0.0	0.0
National Nuclear Security Administration	2,208,292.5	578,829.5	876,069.0	9,326.0	242.5	743,690.3	0.0	0.0	135.2
Defense Programs	1,974,730.0	568,259.5	771,749.7	0.0	0.0	634,720.8	0.0	0.0	0.0
Nonproliferation and Verification	233,562.5	10,570.0	104,319.3	9,326.0	242.5	108,969.5	0.0	0.0	135.2
Nuclear Energy	326,812.3	0.0	326,812.3	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	14,704,450.0	115,236.7	748,443.3	256,659.1	11,583,518.4	104,370.2	766,166.1	151,301.0	978,755.2
Administration for Children and Families	9,603.0	0.0	0.0	0.0	0.0	0.0	0.0	9,603.0	0.0
Agency for Healthcare Research and Quality	340,999.5	43,212.0	500.9	0.0	150,559.3	0.0	1,583.8	49,977.3	95,166.2
Agency for Toxic Substances and Disease Registry	5,099.7	0.0	0.0	5,099.7	0.0	0.0	0.0	0.0	0.0

TABLE 48. Federal obligations for applied research, by agency and field of science and engineering: FY 2011

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
Ctrs. for Disease Control and Prevention	282,773.2	0.0	0.0	74,864.3	190,603.2	0.0	0.0	0.0	17,305.8
Ctrs. for Medicare and Medicaid Services	35,424.0	0.0	0.0	0.0	35,424.0	0.0	0.0	0.0	0.0
Food and Drug Administration	225,202.2	0.0	0.0	0.0	225,202.2	0.0	0.0	0.0	0.0
Health Resources and Services Administration	24,145.4	0.0	0.0	0.0	19,525.4	0.0	0.0	4,620.0	0.0
National Institutes of Health	13,761,336.0	72,024.7	747,942.3	176,695.1	10,962,204.3	104,370.2	764,582.3	67,233.9	866,283.2
Office of the Secretary	19,866.8	0.0	0.0	0.0	0.0	0.0	0.0	19,866.8	0.0
Office of the Assistant Secretary, Planning and Evaluation	19,866.8	0.0	0.0	0.0	0.0	0.0	0.0	19,866.8	0.0
Department of Homeland Security	134,340.1	29,619.0	24,820.0	2,773.0	22,410.3	26,192.7	5,087.7	13,060.6	10,376.8
Science and Technology Directorate	127,252.1	27,941.0	22,891.0	0.0	22,410.3	26,192.7	4,379.7	13,060.6	10,376.8
U.S. Coast Guard	7,088.0	1,678.0	1,929.0	2,773.0	0.0	0.0	708.0	0.0	0.0
Department of Housing and Urban Development	48,754.9	0.0	1,133.7	0.0	0.0	0.0	0.0	47,318.5	302.8
Department of the Interior	580,552.4	164.6	16,373.7	315,708.5	194,834.6	32,903.6	0.0	19,663.3	903.9
Bureau of Ocean Energy Management, Regulation and Enforcement	45,399.2	0.0	9,236.8	14,116.3	19,592.8	0.0	0.0	2,453.4	0.0
Bureau of Reclamation	8,599.0	0.0	7,137.0	0.0	687.9	0.0	0.0	0.0	774.1
National Park Service	8,301.1	164.6	0.0	3,943.2	3,594.0	469.6	0.0	0.0	129.8
U.S. Geological Survey	518,253.0	0.0	0.0	297,649.0	170,960.0	32,434.1	0.0	17,209.9	0.0
Department of Justice	66,942.8	5,529.6	0.0	0.0	10,292.3	5,226.7	0.0	37,827.4	8,066.7
Bureau of Prisons	3,463.0	0.0	0.0	0.0	0.0	0.0	0.0	3,463.0	0.0
Federal Bureau of Investigation	8,066.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,066.7
Office of Justice Programs	55,413.0	5,529.6	0.0	0.0	10,292.3	5,226.7	0.0	34,364.4	0.0
Department of Labor	53,006.8	0.0	0.0	0.0	0.0	0.0	0.0	48,708.8	4,298.0
Employee Benefits Security Administration	48,543.8	0.0	0.0	0.0	0.0	0.0	0.0	48,543.8	0.0
Occupational Safety and Health Administration	4,298.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,298.0
Pension Benefit Guaranty Corp.	165.0	0.0	0.0	0.0	0.0	0.0	0.0	165.0	0.0
Department of State	3,258.2	0.0	0.0	0.0	0.0	0.0	0.0	3,258.2	0.0
Department of Transportation	632,634.9	38,364.0	416,566.6	31,136.7	45,639.2	706.6	26,872.5	33,897.9	39,451.3
Federal Aviation Administration	210,101.0	19,203.1	122,202.5	24,793.3	9,118.6	706.6	26,872.5	0.0	7,204.5
Federal Highway Administration	295,398.9	5,122.9	257,697.7	6,343.4	648.7	0.0	0.0	22,340.9	3,245.4
Federal Motor Carrier Safety Administration	5,707.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,707.4
Federal Railroad Administration	20,336.4	0.0	20,336.4	0.0	0.0	0.0	0.0	0.0	0.0
Federal Transit Administration	23,294.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23,294.0
National Highway Traffic Safety Administration	71,000.0	12,156.0	11,415.0	0.0	35,872.0	0.0	0.0	11,557.0	0.0
Pipeline and Hazardous Materials Safety Administration	3,361.4	1,882.0	1,479.4	0.0	0.0	0.0	0.0	0.0	0.0
Research and Innovative Technology Administration	3,435.7	0.0	3,435.7	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	76,739.5	0.0	987.3	0.0	0.0	4,936.8	0.0	70,815.4	0.0
Bureau of Engraving and Printing	4,936.8	0.0	0.0	0.0	0.0	4,936.8	0.0	0.0	0.0
Internal Revenue Service	70,815.4	0.0	0.0	0.0	0.0	0.0	0.0	70,815.4	0.0
U.S. Mint	987.3	0.0	987.3	0.0	0.0	0.0	0.0	0.0	0.0

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Department of Veterans Affairs	324,862.3	0.0	18,826.1	0.0	258,573.3	0.0	47,462.9	0.0	0.0
Other agencies									
Agency for International Development	119,195.3	0.0	0.0	0.0	102,949.2	0.0	0.0	16,246.2	0.0
Appalachian Regional Commission	389.1	0.0	0.0	0.0	0.0	0.0	0.0	389.1	0.0
Environmental Protection Agency	403,392.6	8,592.8	57,210.1	166,262.1	159,365.0	9,632.3	0.0	2,330.3	0.0
Federal Communications Commission	3,660.6	135.0	1,542.0	0.0	0.0	600.0	0.0	1,383.6	0.0
Federal Trade Commission	2,728.8	0.0	0.0	0.0	0.0	0.0	0.0	2,728.8	0.0
Library of Congress	884.3	0.0	0.0	0.0	0.0	884.3	0.0	0.0	0.0
National Aeronautics and Space Administration	717,781.6	19,705.9	454,214.9	110,553.8	54,128.4	69,868.3	4,756.0	0.0	4,554.4
National Archives and Records Administration	3,052.5	2,932.5	0.0	50.0	0.0	70.0	0.0	0.0	0.0
National Science Foundation	454,970.0	70,691.7	215,069.0	2,862.7	1,049.2	6,451.4	527.2	17,220.4	141,098.4
Nuclear Regulatory Commission	83,796.3	0.0	83,796.3	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	52,997.0	0.0	0.0	0.0	0.0	0.0	0.0	52,997.0	0.0

nec = not elsewhere classified.

^a As of the FYs 2011–13 survey, Other defense agencies displays aggregated data of Department of Defense subagencies engaged in classified R&D projects.

NOTES: 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. See appendix C for additional notes associated with the agencies listed in this table.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2011–13.