

TABLE 39. Preliminary federal obligations for applied research, by agency and performer: FY 2011
(Dollars in thousands)

Agency	Extramural									
	Total	Intramural ^a	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	29,105,931.9	7,733,356.7	4,602,279.1	2,265,145.4	10,754,253.9	212,663.3	2,773,031.2	353,058.2	231,333.2	180,811.0
Departments										
Department of Agriculture	1,293,405.0	731,109.5	16,977.6	0.0	519,005.4	0.0	14,256.1	2,800.0	7,866.3	1,390.0
Agricultural Marketing Service	2,143.5	2,143.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	474,000.0	439,605.6	0.0	0.0	29,248.0	0.0	3,954.9	0.0	421.7	769.9
Economic Research Service	86,209.0	80,897.0	0.0	0.0	4,751.0	0.0	561.0	0.0	0.0	0.0
Foreign Agricultural Service	313.5	203.9	0.0	0.0	65.0	0.0	44.7	0.0	0.0	0.0
Forest Service	204,495.0	172,196.6	890.6	0.0	22,690.5	0.0	1,835.5	0.0	6,261.7	620.1
National Agricultural Statistics Service	4,100.0	3,460.0	0.0	0.0	420.0	0.0	220.0	0.0	0.0	0.0
National Institute of Food and Agriculture	517,944.0	31,503.0	16,087.0	0.0	461,531.0	0.0	7,640.0	0.0	1,183.0	0.0
Rural Business-Cooperative Service	4,200.0	1,100.0	0.0	0.0	300.0	0.0	0.0	2,800.0	0.0	0.0
Department of Commerce	839,279.1	609,394.0	52,623.9	0.0	162,907.7	2,594.4	6,199.6	130.0	3,296.9	2,132.7
Economic Development Administration	208.0	8.0	0.0	0.0	200.0	0.0	0.0	0.0	0.0	0.0
National Institute of Standards and Technology	368,581.9	281,652.8	52,123.9	0.0	27,810.0	0.0	4,628.6	130.0	119.9	2,116.7
National Oceanic and Atmospheric Administration	456,732.0	313,976.0	500.0	0.0	134,897.6	2,594.4	1,571.0	0.0	3,177.0	16.0
National Telecommunications and Information Administration	8,138.2	8,138.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	5,619.0	5,619.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	4,674,256.7	1,613,465.4	2,250,185.0	66,704.7	570,414.0	53,405.0	77,969.4	23,362.6	1,060.5	17,690.0
Defense agencies and activities	1,718,778.3	194,203.5	1,088,776.8	52,202.7	271,507.3	46,227.9	41,187.7	12,393.2	0.0	12,279.2
Chemical and Biological Defense	84,100.0	60,787.0	10,178.3	3,346.3	5,002.0	850.0	2,360.8	99.5	0.0	1,476.1
Defense Advanced Research Projects Agency	1,291,954.0	74,128.1	922,347.5	3,749.1	221,146.1	17,575.8	35,218.2	7,817.4	0.0	9,971.8
Defense Threat Reduction Agency	213,645.8	31,521.3	107,532.4	44,700.2	20,076.9	4,032.5	3,608.7	1,342.2	0.0	831.4
Office of the Secretary of Defense	102,533.5	24,070.0	25,870.7	407.0	25,282.2	23,769.6	0.0	3,134.0	0.0	0.0
Special Operations Command	26,545.0	3,697.1	22,847.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Air Force	1,293,739.7	663,550.3	525,616.8	2,733.7	83,999.5	4,598.7	5,834.3	5,654.0	0.0	1,752.2
Department of the Army	926,808.7	503,927.0	343,376.7	6,240.0	58,928.5	0.0	12,141.6	2,102.0	0.0	92.8
Department of the Navy	734,930.0	251,784.5	292,414.6	5,528.2	155,978.6	2,578.4	18,805.8	3,213.4	1,060.5	3,565.8
Department of Education	205,611.0	10,659.6	5,589.6	0.0	149,607.3	1,650.0	38,104.5	0.0	0.0	0.0
Department of Energy	3,054,186.9	418,062.0	202,748.3	1,906,947.7	145,602.5	75,838.5	56,960.1	241,486.8	6,540.9	0.0
Advanced Research Projects Agency-Energy	14,349.1	7,109.1	4,840.0	0.0	2,400.0	0.0	0.0	0.0	0.0	0.0
Bonneville Power Administration	3,961.5	592.1	2,014.0	0.0	162.4	0.0	1,000.0	0.0	193.1	0.0
Electricity Delivery and Energy Reliability	59,639.0	2,361.7	14,979.9	9,246.0	4,564.6	2,379.0	11,967.7	14,140.3	0.0	0.0
Energy Efficiency and Renewable Energy	510,138.0	199,325.9	0.0	50,388.4	52,417.6	47,140.5	14,494.7	146,370.9	0.0	0.0
Environmental Management	23,136.4	1.0	7,214.9	5,969.1	2,755.7	174.7	1,500.0	5,521.0	0.0	0.0
Fossil Energy	180,659.0	55,652.6	36,830.2	26,640.1	20,160.0	4,169.3	25,437.8	5,421.1	6,347.8	0.0
National Nuclear Security Administration	2,104,582.5	153,018.6	127,589.3	1,722,336.2	63,142.2	4,375.3	2,560.0	31,561.0	0.0	0.0
Defense Programs	1,874,690.1	150,978.6	99,093.3	1,559,958.3	62,385.0	1,500.0	775.0	0.0	0.0	0.0

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			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Nonproliferation and Verification	229,892.4	2,040.0	28,496.0	162,377.9	757.2	2,875.3	1,785.0	31,561.0	0.0	0.0
Nuclear Energy	157,721.3	1.0	9,280.1	92,367.9	0.0	17,599.7	0.0	38,472.6	0.0	0.0
Department of Health and Human Services	15,316,750.9	2,599,764.7	1,058,244.8	254,005.2	8,706,083.9	24,600.7	2,411,726.0	45,436.7	88,288.2	128,600.8
Administration for Children and Families	6,896.4	279.8	0.0	0.0	6,182.6	0.0	433.9	0.0	0.0	*
Agency for Healthcare Research and Quality	1,003,341.7	43,110.9	240,868.3	0.0	454,273.3	0.0	255,040.6	0.0	9,540.1	508.4
Agency for Toxic Substances and Disease Registry	3,832.8	1,297.0	0.0	0.0	1,000.0	0.0	1,535.8	0.0	0.0	0.0
Ctrs. for Disease Control and Prevention	306,378.7	119,838.1	45,290.1	0.0	76,890.9	5,172.5	10,156.4	3,632.0	36,563.8	8,834.8
Ctrs. for Medicare and Medicaid Services	35,528.8	202.6	25,535.0	0.0	1,308.0	0.0	4,593.2	0.0	3,890.0	0.0
Food and Drug Administration	231,666.0	210,065.5	4,556.7	0.0	9,932.5	0.0	7,111.3	0.0	0.0	0.0
Health Resources and Services Administration	23,746.7	1,360.8	0.0	0.0	14,749.0	0.0	7,636.9	0.0	0.0	0.0
National Institutes of Health	13,684,725.0	2,218,363.7	736,786.2	254,005.2	8,138,572.5	19,428.2	2,118,212.8	41,804.7	38,294.3	119,257.5
Office of the Secretary	20,635.0	5,246.3	5,208.6	0.0	3,175.0	0.0	7,005.1	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	20,635.0	5,246.3	5,208.6	0.0	3,175.0	0.0	7,005.1	0.0	0.0	0.0
Department of Homeland Security	208,223.1	74,921.1	46,347.1	9,702.0	14,072.6	29,861.7	24,390.4	8,810.0	0.0	118.2
Science and Technology Directorate	194,331.1	69,459.2	37,917.0	9,702.0	14,072.6	29,861.7	24,390.4	8,810.0	0.0	118.2
U.S. Coast Guard	13,892.0	5,461.9	8,430.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	64,388.7	30,521.3	29,730.9	0.0	872.4	0.0	3,080.6	0.0	183.6	0.0
Department of the Interior	564,577.0	465,998.3	18,699.8	0.0	59,172.2	0.0	1,949.0	0.0	9,185.6	9,572.1
Bureau of Ocean Energy Management, Regulation and Enforcement	39,428.0	16,398.4	14,303.0	0.0	5,642.0	0.0	60.0	0.0	448.8	2,575.8
Bureau of Reclamation	6,896.0	2,482.4	2,896.4	0.0	1,517.2	0.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	518,253.0	447,117.5	1,500.4	0.0	52,013.0	0.0	1,889.0	0.0	8,736.8	6,996.3
Department of Justice	65,802.2	14,279.5	12,552.1	975.0	19,313.4	355.0	11,619.2	275.7	6,432.2	0.0
Bureau of Prisons	2,882.0	1,282.0	0.0	0.0	0.0	0.0	0.0	0.0	1,600.0	0.0
Federal Bureau of Investigation	8,066.7	8,066.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	54,853.4	4,930.8	12,552.1	975.0	19,313.4	355.0	11,619.2	275.7	4,832.2	0.0
Department of Labor	11,283.6	6,496.7	4,786.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Employee Benefits Security Administration	5,057.6	1,346.7	3,710.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	6,061.0	4,985.0	1,076.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	165.0	165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of State	3,258.2	3,258.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	704,619.3	202,427.9	290,082.3	0.0	65,880.2	1,604.4	30,949.0	6,786.5	106,889.0	0.0
Federal Aviation Administration	242,491.0	100,637.4	107,952.7	0.0	23,483.5	1,604.4	2,597.2	6,215.7	0.0	0.0
Federal Highway Administration	315,087.3	34,192.0	141,737.6	0.0	10,749.4	0.0	26,603.5	570.8	101,234.0	0.0
Federal Motor Carrier Safety Administration	5,541.0	612.7	395.5	0.0	4,411.9	0.0	120.9	0.0	0.0	0.0
Federal Railroad Administration	38,775.0	19,150.8	10,385.5	0.0	7,611.3	0.0	1,627.4	0.0	0.0	0.0

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Federal Transit Administration	26,655.0	1,000.0	15,000.0	0.0	5,000.0	0.0	0.0	0.0	0.0	5,655.0	0.0
National Highway Traffic Safety Administration	64,793.0	38,063.0	12,106.0	0.0	14,624.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	6,687.0	4,182.0	2,505.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Research and Innovative Technology Administration	4,590.0	4,590.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	76,647.1	72,133.6	4,313.5	0.0	50.0	0.0	0.0	0.0	150.0	0.0	0.0
Bureau of Engraving and Printing	4,256.4	4,256.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Revenue Service	70,537.0	67,777.2	2,559.8	0.0	50.0	0.0	0.0	0.0	150.0	0.0	0.0
U.S. Mint	1,853.7	100.0	1,753.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	314,000.0	314,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies											
Agency for International Development	79,308.2	4,017.0	10,146.1	0.0	15,379.6	0.0	34,954.8	0.0	0.0	0.0	14,810.7
Appalachian Regional Commission	730.0	*	673.6	0.0	56.4	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency ^b	403,400.0	325,026.3	35,368.6	0.0	37,470.8	0.0	4,912.4	0.0	0.0	419.8	202.0
Federal Communications Commission	3,740.9	3,740.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1,890.7	1,890.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	684.3	684.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	717,781.6	207,493.8	399,146.1	0.0	67,287.3	13,537.3	24,265.3	5,387.4	0.0	222.5	442.0
National Archives and Records Administration	3,052.5	1,786.1	0.0	0.0	1,266.4	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	343,160.0	1,523.9	113,959.3	0.0	204,484.8	0.0	19,957.1	0.0	0.0	733.8	2,501.1
Nuclear Regulatory Commission	83,784.0	6,702.7	13,405.4	26,810.9	5,027.0	9,216.2	837.8	18,432.5	0.0	0.0	3,351.4
Social Security Administration	72,111.0	13,999.0	36,698.0	0.0	10,300.0	0.0	10,900.0	0.0	0.0	214.0	0.0

* = amount greater than \$0, but less than \$50.

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Environmental Protection Agency (EPA) was unable to report R&D by performer for FYs 2010–12 or by location for FY 2010. Percentage distributions calculated from EPA's data submission for FYs 2009–11 were used to estimate its FYs 2010, 2011, and 2012 R&D by performer and its FY 2010 R&D by location.

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 table. See appendix C for additional notes associated with 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 2010–12.