

TABLE 5. Federal obligations for research and development, by agency and character of work: FY 2010

(Dollars in thousands)

Agency	Total R&D	Development										
		Basic research		Applied research		Total		Advanced technology		Major systems		
		ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	
All agencies	140,354,521.0	2,667,109.5	29,128,232.7	3,035,218.6	28,897,412.5	918,446.6	75,708,101.3	NA	NA	NA	NA	
Departments												
Department of Agriculture	2,364,200.9	80.0	982,103.1	0.0	1,158,846.0	0.0	223,171.8	NA	NA	NA	NA	
Agricultural Marketing Service	4,364.0	0.0	0.0	0.0	2,182.0	0.0	2,182.0	NA	NA	NA	NA	
Agricultural Research Service	1,178,286.0	0.0	589,143.0	0.0	471,314.4	0.0	117,828.6	NA	NA	NA	NA	
Animal and Plant Health Inspection Service	30,092.5	0.0	0.0	0.0	0.0	0.0	30,092.5	NA	NA	NA	NA	
Economic Research Service	86,399.0	80.0	1,800.0	0.0	84,519.0	0.0	0.0	NA	NA	NA	NA	
Foreign Agricultural Service	435.5	0.0	121.9	0.0	313.5	0.0	0.0	NA	NA	NA	NA	
Forest Service	356,512.6	0.0	99,185.3	0.0	184,258.5	0.0	73,068.7	NA	NA	NA	NA	
Grain Inspection, Packers, and Stockyards Administration	6,276.8	0.0	6,276.8	0.0	0.0	0.0	0.0	NA	NA	NA	NA	
National Agricultural Statistics Service	7,459.2	0.0	3,225.0	0.0	4,234.2	0.0	0.0	NA	NA	NA	NA	
National Institute of Food and Agriculture	689,576.0	0.0	282,351.0	0.0	407,225.0	0.0	0.0	NA	NA	NA	NA	
Rural Business-Cooperative Service	4,799.4	0.0	0.0	0.0	4,799.4	0.0	0.0	NA	NA	NA	NA	
Department of Commerce	1,274,436.0	52,152.1	150,098.1	109,634.2	823,196.8	842.2	138,512.6	NA	NA	NA	NA	
Economic Development Administration	6,848.3	0.0	5,525.9	0.0	1,322.4	0.0	0.0	NA	NA	NA	NA	
National Institute of Standards and Technology	687,374.7	52,152.1	144,572.2	109,634.2	346,898.4	842.2	33,275.6	NA	NA	NA	NA	
National Oceanic and Atmospheric Administration	525,414.0	0.0	0.0	0.0	457,983.0	0.0	67,431.0	NA	NA	NA	NA	
National Telecommunications and Information Administration	7,569.9	0.0	0.0	0.0	7,569.9	0.0	0.0	NA	NA	NA	NA	
U.S. Census Bureau	47,229.2	0.0	0.0	0.0	9,423.2	0.0	37,806.0	NA	NA	NA	NA	
Department of Defense	73,471,055.0	0.0	1,853,501.8	44,906.1	5,167,083.7	75,402.0	66,330,161.4	52,098.4	6,578,578.5	23,303.6	59,751,583.0	
Defense agencies and activities	16,264,463.6	0.0	414,703.8	0.0	2,028,824.4	25,397.0	13,795,538.4	25,397.0	3,694,531.9	NA	10,101,006.5	
Chemical and Biological Defense	1,184,870.0	0.0	73,491.0	0.0	236,532.0	0.0	874,847.0	0.0	334,601.0	0.0	540,246.0	
Defense Advanced Research Projects Agency	3,445,291.0	0.0	233,750.0	0.0	1,393,526.0	0.0	1,818,015.0	0.0	1,558,489.0	0.0	259,526.0	
Defense Business Transformation Agency	209,989.6	0.0	0.0	0.0	0.0	0.0	209,989.6	0.0	0.0	0.0	209,989.6	
Defense Contract Management Agency	11,658.8	0.0	0.0	0.0	0.0	0.0	11,658.8	0.0	0.0	0.0	11,658.8	
Defense Information Systems Agency	294,228.0	0.0	0.0	0.0	0.0	0.0	294,228.0	0.0	0.0	0.0	294,228.0	
Defense Logistics Agency	183,108.0	0.0	0.0	0.0	0.0	6,934.0	176,174.0	6,934.0	147,398.5	0.0	28,775.5	
Defense Security Cooperation Agency	2,100.0	0.0	0.0	0.0	0.0	0.0	2,100.0	0.0	0.0	0.0	2,100.0	
Defense Technical Information Ctr.	57,750.9	0.0	0.0	0.0	0.0	0.0	57,750.9	0.0	0.0	0.0	57,750.9	
Defense Threat Reduction Agency	527,153.6	0.0	41,616.6	0.0	226,701.1	0.0	258,835.9	0.0	239,119.2	0.0	19,716.7	
Joint Staff	111,776.0	0.0	0.0	0.0	0.0	0.0	111,776.0	0.0	0.0	0.0	111,776.0	
Missile Defense Agency	7,291,453.2	0.0	0.0	0.0	0.0	0.0	7,291,453.2	0.0	181,781.0	0.0	7,109,672.2	
Office of the Secretary of Defense	2,498,255.8	0.0	65,846.2	0.0	146,400.1	18,463.0	2,267,546.5	18,463.0	1,145,808.3	0.0	1,121,738.2	
Special Operations Command	446,828.8	0.0	0.0	0.0	25,665.2	0.0	421,163.6	0.0	87,335.0	0.0	333,828.6	
Department of the Air Force	26,521,448.0	0.0	475,657.0	10,202.0	1,192,427.0	12,895.0	24,830,267.0	2,203.0	732,392.0	10,692.0	24,097,875.0	
Department of the Army	10,853,244.5	0.0	414,345.0	34,704.1	1,226,131.4	25,268.4	9,152,795.7	24,498.4	1,314,227.6	770.0	7,838,568.1	
Department of the Navy	19,635,020.9	0.0	548,796.0	0.0	719,701.0	11,841.6	18,354,682.3	0.0	837,427.0	11,841.6	17,517,255.3	
Operational Test and Evaluation, Director	196,878.0	0.0	0.0	0.0	0.0	0.0	196,878.0	0.0	0.0	0.0	196,878.0	

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		ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA
Department of Education	362,813.5	0.0	7,113.4	0.0	218,042.7	0.0	137,657.5	NA	NA	NA	NA
Department of Energy	10,685,528.0	123,867.8	3,845,616.9	528,391.4	3,100,413.8	564,500.6	2,522,737.5	NA	NA	NA	NA
Advanced Research Projects Agency-Energy	377,763.0	0.0	0.0	205,054.4	0.0	172,708.6	0.0	NA	NA	NA	NA
Bonneville Power Administration	13,107.0	0.0	7,864.2	0.0	3,932.1	0.0	1,310.7	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	113,342.9	0.0	7,321.4	0.0	66,129.9	0.0	39,891.6	NA	NA	NA	NA
Energy Efficiency and Renewable Energy	1,895,152.0	0.0	20,714.0	323,337.0	567,663.0	391,792.0	591,646.0	NA	NA	NA	NA
Environmental Management	89,791.2	0.0	0.0	0.0	30,785.9	0.0	59,005.4	NA	NA	NA	NA
Fossil Energy	484,757.0	0.0	4,848.0	0.0	213,293.0	0.0	266,616.0	NA	NA	NA	NA
National Nuclear Security Administration	3,448,448.0	0.0	33,662.5	0.0	1,917,725.5	0.0	1,497,060.0	NA	NA	NA	NA
Defense Programs	2,247,443.9	0.0	0.0	0.0	1,710,287.9	0.0	537,156.0	NA	NA	NA	NA
Naval Reactors	914,333.0	0.0	0.0	0.0	0.0	0.0	914,333.0	NA	NA	NA	NA
Nonproliferation and Verification	286,671.1	0.0	33,662.5	0.0	207,437.7	0.0	45,571.0	NA	NA	NA	NA
Nuclear Energy	368,092.2	0.0	0.0	0.0	300,884.4	0.0	67,207.8	NA	NA	NA	NA
Office of Science	3,895,074.6	123,867.8	3,771,206.8	0.0	0.0	0.0	0.0	NA	NA	NA	NA
Department of Health and Human Services	35,934,507.5	2,446,545.1	16,203,188.8	2,247,154.6	14,900,574.9	2,655.4	134,388.8	NA	NA	NA	NA
Administration for Children and Families	6,754.5	0.0	0.0	0.0	6,754.5	0.0	0.0	NA	NA	NA	NA
Agency for Healthcare Research and Quality	852,481.7	0.0	0.0	434,061.5	355,273.4	1,657.5	61,489.3	NA	NA	NA	NA
Agency for Toxic Substances and Disease Registry	2,780.5	0.0	0.0	0.0	2,780.5	0.0	0.0	NA	NA	NA	NA
Ctrs. for Disease Control and Prevention	446,909.4	0.0	85,400.3	0.0	324,333.1	0.0	37,176.0	NA	NA	NA	NA
Ctrs. for Medicare and Medicaid Services	81,681.0	0.0	0.0	46,085.6	35,595.4	0.0	0.0	NA	NA	NA	NA
Food and Drug Administration	210,605.4	0.0	0.0	0.0	210,605.4	0.0	0.0	NA	NA	NA	NA
Health Resources and Services Administration	66,330.1	0.0	2,434.5	3,500.0	23,674.2	997.9	35,723.5	NA	NA	NA	NA
National Institutes of Health	34,212,602.7	2,446,545.1	16,115,354.0	1,729,738.6	13,920,965.0	0.0	0.0	NA	NA	NA	NA
Office of the Secretary	54,362.3	0.0	0.0	33,769.0	20,593.3	0.0	0.0	NA	NA	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	54,362.3	0.0	0.0	33,769.0	20,593.3	0.0	0.0	NA	NA	NA	NA
Department of Homeland Security	674,070.3	0.0	100,270.6	0.0	221,234.3	0.0	352,565.4	NA	NA	NA	NA
Science and Technology Directorate	649,405.3	0.0	100,270.6	0.0	213,648.3	0.0	335,486.4	NA	NA	NA	NA
U.S. Coast Guard	24,665.0	0.0	0.0	0.0	7,586.0	0.0	17,079.0	NA	NA	NA	NA
Department of Housing and Urban Development	61,703.0	0.0	0.0	0.0	38,810.0	0.0	22,893.1	NA	NA	NA	NA
Department of the Interior	721,715.2	0.0	49,859.0	375.0	593,747.0	125.0	77,609.2	NA	NA	NA	NA
Bureau of Ocean Energy Management, Regulation and Enforcement	43,382.5	0.0	0.0	0.0	43,382.5	0.0	0.0	NA	NA	NA	NA
Bureau of Reclamation	9,695.0	0.0	0.0	375.0	6,896.0	125.0	2,299.0	NA	NA	NA	NA
National Park Service	7,577.7	0.0	0.0	0.0	6,440.5	0.0	1,137.2	NA	NA	NA	NA
U.S. Geological Survey	661,060.0	0.0	49,859.0	0.0	537,028.0	0.0	74,173.0	NA	NA	NA	NA
Department of Justice	125,384.3	0.0	13,029.4	0.0	74,425.9	0.0	37,929.0	NA	NA	NA	NA
Bureau of Prisons	10,768.0	0.0	0.0	0.0	2,839.0	0.0	7,929.0	NA	NA	NA	NA

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		ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA
Federal Bureau of Investigation	30,000.0	0.0	0.0	0.0	0.0	0.0	30,000.0	NA	NA	NA	NA
Office of Justice Programs	84,616.3	0.0	13,029.4	0.0	71,586.9	0.0	0.0	NA	NA	NA	NA
Department of Labor	14,258.2	0.0	0.0	149.9	11,707.3	0.0	2,401.0	NA	NA	NA	NA
Employee Benefits Security Administration	5,776.2	0.0	0.0	149.9	5,626.3	0.0	0.0	NA	NA	NA	NA
Occupational Safety and Health Administration	5,916.0	0.0	0.0	0.0	5,916.0	0.0	0.0	NA	NA	NA	NA
Pension Benefit Guaranty Corp.	2,566.0	0.0	0.0	0.0	165.0	0.0	2,401.0	NA	NA	NA	NA
Department of State	2,940.6	0.0	0.0	0.0	2,940.6	0.0	0.0	NA	NA	NA	NA
Department of Transportation	908,107.5	0.0	4,631.2	0.0	641,234.7	0.0	262,241.6	NA	NA	NA	NA
Federal Aviation Administration	390,384.8	0.0	0.0	0.0	236,599.8	0.0	153,785.0	NA	NA	NA	NA
Federal Highway Administration	336,829.3	0.0	4,631.2	0.0	291,248.0	0.0	40,950.2	NA	NA	NA	NA
Federal Motor Carrier Safety Administration	6,903.6	0.0	0.0	0.0	6,585.5	0.0	318.1	NA	NA	NA	NA
Federal Railroad Administration	41,114.2	0.0	0.0	0.0	9,683.9	0.0	31,430.3	NA	NA	NA	NA
Federal Transit Administration	22,592.0	0.0	0.0	0.0	20,000.0	0.0	2,592.0	NA	NA	NA	NA
National Highway Traffic Safety Administration	70,837.0	0.0	0.0	0.0	70,837.0	0.0	0.0	NA	NA	NA	NA
Office of the Secretary	23,459.0	0.0	0.0	0.0	0.0	0.0	23,459.0	NA	NA	NA	NA
Pipeline and Hazardous Materials Safety Administration	9,966.6	0.0	0.0	0.0	2,117.6	0.0	7,849.0	NA	NA	NA	NA
Research and Innovative Technology Administration	6,021.0	0.0	0.0	0.0	4,163.0	0.0	1,858.0	NA	NA	NA	NA
Department of the Treasury	68,546.0	0.0	61.5	0.0	68,330.6	0.0	153.9	NA	NA	NA	NA
Bureau of Engraving and Printing	1,165.1	0.0	61.5	0.0	949.7	0.0	153.9	NA	NA	NA	NA
Internal Revenue Service	66,263.0	0.0	0.0	0.0	66,263.0	0.0	0.0	NA	NA	NA	NA
U.S. Mint	1,117.9	0.0	0.0	0.0	1,117.9	0.0	0.0	NA	NA	NA	NA
Department of Veterans Affairs	563,000.0	550.0	231,450.0	0.0	297,000.0	0.0	34,000.0	NA	NA	NA	NA
Other agencies											
Agency for International Development	84,299.5	0.0	817.2	0.0	83,482.3	0.0	0.0	NA	NA	NA	NA
Appalachian Regional Commission	623.2	0.0	0.0	0.0	623.2	0.0	0.0	NA	NA	NA	NA
Environmental Protection Agency	572,323.8	0.0	86,937.2	0.0	397,886.5	0.0	87,500.0	NA	NA	NA	NA
Federal Communications Commission	3,667.6	0.0	0.0	0.0	3,667.6	0.0	0.0	NA	NA	NA	NA
Federal Trade Commission	2,997.3	0.0	0.0	0.0	2,997.3	0.0	0.0	NA	NA	NA	NA
Library of Congress	1,379.6	0.0	0.0	0.0	719.6	0.0	660.0	NA	NA	NA	NA
National Aeronautics and Space Administration	7,121,269.0	5,710.4	803,548.5	104,601.5	588,968.5	274,921.5	5,343,518.5	NA	NA	NA	NA
National Archives and Records Administration	4,620.0	0.0	0.0	0.0	4,620.0	0.0	0.0	NA	NA	NA	NA
National Science Foundation	5,015,700.0	38,204.1	4,629,005.9	5.9	348,484.1	0.0	0.0	NA	NA	NA	NA

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		ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA
Nuclear Regulatory Commission	85,379.0	0.0	0.0	0.0	85,379.0	0.0	0.0	NA	NA	NA	NA
Smithsonian Institution	167,000.0	0.0	167,000.0	0.0	0.0	0.0	0.0	NA	NA	NA	NA
Social Security Administration	62,996.0	0.0	0.0	0.0	62,996.0	0.0	0.0	NA	NA	NA	NA

NA = not available; data are not collected in this category for this agency.

ARRA = American Recovery and Reinvestment Act of 2009.

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.