

TABLE 9. Preliminary federal obligations for research and development, by agency and performer: FY 2011

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	Foreign
All agencies	132,140.6	32,065.9	54,781.5	3,946.4	27,803.4	3,239.0	6,306.9	3,102.8	400.9	493.8
Departments										
Department of Agriculture	2,591.3	1,611.2	18.3	0.0	918.9	0.0	26.5	2.8	11.0	2.6
Agricultural Marketing Service	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	1,185.0	1,099.0	0.0	0.0	73.1	0.0	9.9	0.0	1.1	1.9
Animal and Plant Health Inspection Service	29.1	15.9	0.0	0.0	13.1	0.0	0.0	0.0	0.0	0.0
Economic Research Service	88.4	82.5	0.6	0.0	4.8	0.0	0.6	0.0	0.0	0.0
Foreign Agricultural Service	0.4	0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Forest Service	384.0	339.5	0.9	0.0	31.3	0.0	3.3	0.0	8.2	0.7
Grain Inspection, Packers, and Stockyards Administration	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	7.3	6.7	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.0
National Institute of Food and Agriculture	882.0	55.2	16.8	0.0	795.7	0.0	12.5	0.0	1.8	0.0
Rural Business-Cooperative Service	4.2	1.1	0.0	0.0	0.3	0.0	0.0	2.8	0.0	0.0
Department of Commerce	1,135.5	801.9	94.9	0.0	219.7	2.6	8.6	0.1	3.9	3.9
Economic Development Administration	0.6	*	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0
National Institute of Standards and Technology	563.1	403.2	94.4	0.0	55.3	0.0	6.1	0.1	0.1	3.9
National Oceanic and Atmospheric Administration	524.2	351.0	0.5	0.0	164.2	2.6	2.1	0.0	3.7	*
National Telecommunications and Information Administration	8.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	39.5	39.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	71,684.2	19,791.0	46,472.1	662.8	2,471.9	416.9	321.1	1,351.4	41.6	155.4
Defense agencies and activities	14,772.1	4,423.2	8,804.0	188.5	857.1	131.2	91.5	131.1	24.9	120.7
Chemical and Biological Defense	308.0	235.6	31.4	7.4	17.9	1.4	9.7	1.3	0.0	3.3
Defense Advanced Research Projects Agency	3,167.7	185.4	2,305.9	15.7	510.3	47.7	49.5	13.0	0.0	40.1
Defense Business Transformation Agency	101.7	51.8	49.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defense Contract Management Agency	11.7	0.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defense Information Systems Agency	236.7	50.8	184.6	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Defense Logistics Agency	120.5	81.8	24.9	0.0	13.7	0.0	0.0	0.0	0.0	0.0
Defense Security Cooperation Agency	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defense Technical Information Ctr.	59.8	47.7	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defense Threat Reduction Agency	550.9	106.7	276.6	78.0	60.5	4.0	15.2	8.6	0.0	1.2
Joint Staff	90.6	89.1	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
Missile Defense Agency	7,477.9	2,706.7	4,627.0	0.1	47.1	13.9	6.3	23.8	0.0	52.9
Office of the Secretary of Defense	2,365.2	824.8	1,041.0	87.4	207.6	64.2	10.8	81.5	24.9	23.1
Special Operations Command	279.1	39.8	239.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Air Force	28,530.7	4,877.9	21,693.2	173.0	474.4	216.2	24.3	1,047.2	15.7	8.9
Department of the Army	10,366.3	4,467.8	5,368.5	24.4	356.3	30.7	82.5	33.9	0.0	2.2
Department of the Navy	17,822.0	5,943.7	10,543.7	276.9	775.7	38.8	122.9	95.7	1.1	23.7
Operational Test and Evaluation, Director	193.1	78.5	62.7	0.0	8.4	0.0	0.0	43.5	0.0	0.0

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Department of Education	346.3	16.9	17.0	0.0	236.4	2.2	73.9	0.0	0.0	0.0
Department of Energy	9,136.2	877.5	1,284.7	2,678.7	890.0	1,721.6	145.5	1,521.0	14.9	2.4
Advanced Research Projects Agency-Energy	17.8	8.9	6.5	0.0	2.4	0.0	0.0	0.0	0.0	0.0
Bonneville Power Administration	13.2	2.0	8.5	0.0	0.3	0.0	2.0	0.0	0.4	0.0
Electricity Delivery and Energy Reliability	103.3	4.9	25.0	18.8	6.8	4.8	14.0	29.0	0.0	0.0
Energy Efficiency and Renewable Energy	1,070.9	418.4	0.0	72.2	110.0	99.0	30.4	340.9	0.0	0.0
Environmental Management	69.4	*	21.6	17.9	8.3	0.5	4.5	16.6	0.0	0.0
Fossil Energy	410.6	127.4	97.1	26.6	50.8	16.4	58.2	19.5	14.5	*
National Nuclear Security Administration	3,616.5	211.5	1,013.7	2,265.4	66.2	8.4	3.2	48.2	0.0	0.0
Defense Programs	2,385.9	161.1	99.1	2,061.0	62.4	1.5	0.8	0.0	0.0	0.0
Naval Reactors	913.2	44.6	867.0	1.5	0.0	*	0.0	0.1	0.0	0.0
Nonproliferation and Verification	317.5	5.8	47.6	202.9	3.8	6.9	2.5	48.1	0.0	0.0
Nuclear Energy	180.8	1.0	31.3	92.4	0.0	17.6	0.0	38.5	0.0	0.0
Office of Science	3,653.7	103.4	80.8	185.4	645.2	1,574.9	33.1	1,028.4	0.0	2.4
Department of Health and Human Services	31,573.7	5,318.6	1,924.3	551.7	18,305.1	47.4	4,903.6	94.4	158.6	270.0
Administration for Children and Families	6.9	0.3	0.0	0.0	6.2	0.0	0.4	0.0	0.0	*
Agency for Healthcare Research and Quality	1,090.6	130.4	240.9	0.0	454.3	0.0	255.0	0.0	9.5	0.5
Agency for Toxic Substances and Disease Registry	3.8	1.3	0.0	0.0	1.0	0.0	1.5	0.0	0.0	0.0
Ctrs. for Disease Control and Prevention	427.4	149.4	47.9	0.0	136.0	5.2	13.3	3.6	61.4	10.5
Ctrs. for Medicare and Medicaid Services	35.5	0.2	25.5	0.0	1.3	0.0	4.6	0.0	3.9	0.0
Food and Drug Administration	231.7	210.1	4.6	0.0	9.9	0.0	7.1	0.0	0.0	0.0
Health Resources and Services Administration	36.2	3.8	0.0	0.0	17.6	0.0	14.2	0.0	0.6	0.0
National Institutes of Health	29,720.9	4,817.9	1,600.2	551.7	17,675.6	42.2	4,600.4	90.8	83.2	259.0
Office of the Secretary	20.6	5.2	5.2	0.0	3.2	0.0	7.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	20.6	5.2	5.2	0.0	3.2	0.0	7.0	0.0	0.0	0.0
Department of Homeland Security	634.7	219.9	155.8	24.8	79.6	59.4	49.0	45.7	0.3	0.1
Science and Technology Directorate	590.7	203.1	128.6	24.8	79.6	59.4	49.0	45.7	0.3	0.1
U.S. Coast Guard	44.0	16.9	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	90.5	43.4	40.0	0.0	1.3	0.0	5.5	0.0	0.4	0.0
Department of the Interior	688.6	571.5	20.1	0.0	71.6	0.0	2.6	0.0	12.2	10.7
Bureau of Ocean Energy Management, Regulation and Enforcement	39.4	16.4	14.3	0.0	5.6	0.0	0.1	0.0	0.4	2.6
Bureau of Reclamation	9.2	3.3	3.9	0.0	2.0	0.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	640.0	551.8	2.0	0.0	63.9	0.0	2.5	0.0	11.7	8.1
Department of Justice	101.0	26.3	14.9	1.0	29.0	0.4	15.3	0.3	13.9	0.0
Bureau of Prisons	10.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0
Federal Bureau of Investigation	17.7	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	72.4	5.5	14.9	1.0	29.0	0.4	15.3	0.3	6.0	0.0

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Department of Labor	13.9	6.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Employee Benefits Security Administration	5.1	1.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Occupational Safety and Health Administration	6.1	5.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pension Benefit Guaranty Corp.	2.8	0.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of State	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of Transportation	997.0	295.9	402.0	0.0	74.3	2.6	50.6	50.7	120.3	0.6	
Federal Aviation Administration	419.2	149.7	189.1	0.0	25.2	2.6	2.6	49.9	0.0	0.0	
Federal Highway Administration	360.2	48.1	149.2	0.0	15.2	0.0	32.4	0.6	114.7	0.0	
Federal Motor Carrier Safety Administration	6.3	0.7	1.0	0.0	4.4	0.0	0.1	0.0	0.0	0.0	
Federal Railroad Administration	71.9	35.9	23.5	0.0	7.8	0.0	4.3	0.0	0.0	0.4	
Federal Transit Administration	27.9	1.2	15.0	0.0	5.8	0.0	0.0	0.2	5.7	0.0	
National Highway Traffic Safety Administration	64.8	38.1	12.1	0.0	14.6	0.0	0.0	0.0	0.0	0.0	
Office of the Secretary	25.3	10.2	7.4	0.0	0.4	0.0	7.3	0.0	0.0	0.0	
Pipeline and Hazardous Materials Safety Administration	14.7	5.2	4.6	0.0	0.7	0.0	3.8	0.0	0.0	0.2	
Research and Innovative Technology Administration	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of the Treasury	77.9	73.4	4.3	0.0	0.1	0.0	0.0	0.2	0.0	0.0	
Bureau of Engraving and Printing	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Internal Revenue Service	70.5	67.8	2.6	0.0	0.1	0.0	0.0	0.2	0.0	0.0	
U.S. Mint	1.9	0.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of Veterans Affairs	579.0	579.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Other agencies											
Agency for International Development	80.1	4.2	10.2	0.0	15.4	0.0	35.4	0.0	0.0	14.8	
Appalachian Regional Commission	0.7	*	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
Environmental Protection Agency ^b	577.0	464.9	50.6	0.0	53.6	0.0	7.0	0.0	0.6	0.3	
Federal Communications Commission	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Federal Trade Commission	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Library of Congress	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
National Aeronautics and Space Administration	6,570.5	1,036.8	3,901.1	0.6	573.3	842.4	198.7	12.6	0.5	4.4	
National Archives and Records Administration	3.1	1.8	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	
National Science Foundation	4,924.4	124.9	313.5	0.0	3,846.8	134.3	451.8	5.3	22.5	25.2	

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Nuclear Regulatory Commission	83.8	6.7	13.4	26.8	5.0	9.2	0.8	18.4	0.0	3.4	
Smithsonian Institution	169.0	169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Social Security Administration	72.1	14.0	36.7	0.0	10.3	0.0	10.9	0.0	0.2	0.0	

* = amount greater than \$0 but less than \$50,000.

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.