

TABLE 5. Federal obligations for research and development, by agency and character of work: FY 2011
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	135,490,831.7	29,313,593.3	28,710,112.8	77,467,125.6	NA	NA
Departments						
Department of Agriculture	2,341,318.8	963,329.5	1,162,032.7	215,956.6	NA	NA
Agricultural Marketing Service	4,286.5	0.0	2,143.3	2,143.3	NA	NA
Agricultural Research Service	1,133,001.6	566,500.8	453,200.6	113,300.2	NA	NA
Animal and Plant Health Inspection Service	28,954.6	0.0	0.0	28,954.6	NA	NA
Economic Research Service	81,125.9	7,603.9	73,522.0	0.0	NA	NA
Foreign Agricultural Service	613.8	171.9	441.9	0.0	NA	NA
Forest Service	353,476.4	89,920.8	191,997.1	71,558.6	NA	NA
Grain Inspection, Packers, and Stockyards Administration	6,690.6	6,690.6	0.0	0.0	NA	NA
National Agricultural Statistics Service	7,403.0	3,316.6	4,086.4	0.0	NA	NA
National Institute of Food and Agriculture	724,082.0	289,125.0	434,957.0	0.0	NA	NA
Rural Business-Cooperative Service	1,684.4	0.0	1,684.4	0.0	NA	NA
Department of Commerce	1,067,138.6	165,543.6	775,428.7	126,166.2	NA	NA
Economic Development Administration	650.0	442.0	208.0	0.0	NA	NA
National Institute of Standards and Technology	506,945.2	165,101.7	307,857.9	33,985.6	NA	NA
National Oceanic and Atmospheric Administration	492,277.0	0.0	448,759.0	43,518.0	NA	NA
National Telecommunications and Information Administration	7,808.8	0.0	7,808.8	0.0	NA	NA
U.S. Census Bureau	59,457.7	0.0	10,795.0	48,662.7	NA	NA
Department of Defense	75,157,276.3	1,885,363.5	4,710,348.0	68,561,564.8	5,939,278.3	62,622,286.5
Defense Advanced Research Projects Agency	2,846,353.0	254,205.0	1,129,800.0	1,462,348.0	1,273,211.0	189,137.0
Department of the Air Force	26,500,057.6	470,732.1	1,203,199.1	24,826,126.4	585,974.2	24,240,152.1
Department of the Army	9,831,793.7	415,049.7	1,063,404.7	8,353,339.3	1,167,338.3	7,186,001.0
Department of the Navy	17,792,394.2	546,998.0	748,435.1	16,496,961.1	868,971.6	15,627,989.6
Other defense agencies ^a	18,186,677.7	198,378.6	565,509.0	17,422,790.0	2,043,783.2	15,379,006.8
Department of Education	346,101.2	7,483.0	205,544.3	133,073.8	NA	NA
Department of Energy	9,945,768.2	3,961,703.2	3,388,369.1	2,595,695.8	NA	NA
Advanced Research Projects Agency—Energy	174,878.8	0.0	127,788.2	47,090.6	NA	NA
Bonneville Power Administration	13,205.2	3,961.5	1,320.5	7,923.1	NA	NA
Electricity Delivery and Energy Reliability	88,770.2	6,446.4	55,331.6	26,992.2	NA	NA
Energy Efficiency and Renewable Energy	863,228.0	1,600.0	465,900.0	395,728.0	NA	NA
Environmental Management	67,469.0	0.0	22,265.0	45,204.0	NA	NA
Fossil Energy	410,588.0	4,106.0	180,659.0	225,823.0	NA	NA
National Nuclear Security Administration	4,036,263.5	42,071.1	2,208,292.5	1,785,900.0	NA	NA
Defense Programs	2,771,017.1	0.0	1,974,730.0	796,287.1	NA	NA
Naval Reactors	941,745.1	0.0	0.0	941,745.1	NA	NA
Nonproliferation and Verification	323,501.4	42,071.1	233,562.5	47,867.8	NA	NA
Nuclear Energy	387,847.3	0.0	326,812.3	61,035.0	NA	NA
Office of Science	3,903,518.2	3,903,518.2	0.0	0.0	NA	NA
Department of Health and Human Services	30,848,758.7	16,066,282.8	14,704,450.0	78,025.9	NA	NA
Administration for Children and Families	9,603.0	0.0	9,603.0	0.0	NA	NA
Agency for Healthcare Research and Quality	370,651.7	0.0	340,999.5	29,652.1	NA	NA
Agency for Toxic Substances and Disease Registry	5,099.7	0.0	5,099.7	0.0	NA	NA
Ctrs. for Disease Control and Prevention	385,888.1	64,813.4	282,773.2	38,301.4	NA	NA
Ctrs. for Medicare and Medicaid Services	35,424.0	0.0	35,424.0	0.0	NA	NA
Food and Drug Administration	225,202.2	0.0	225,202.2	0.0	NA	NA
Health Resources and Services Administration	36,781.1	2,563.4	24,145.4	10,072.3	NA	NA
National Institutes of Health	29,760,242.0	15,998,906.0	13,761,336.0	0.0	NA	NA
Office of the Secretary	19,866.8	0.0	19,866.8	0.0	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	19,866.8	0.0	19,866.8	0.0	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
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Department of Homeland Security	559,085.0	113,763.6	134,340.1	310,981.3	NA	NA
Science and Technology Directorate	537,791.0	113,763.6	127,252.1	296,775.3	NA	NA
U.S. Coast Guard	21,294.0	0.0	7,088.0	14,206.0	NA	NA
Department of Housing and Urban Development	72,866.9	0.0	48,754.9	24,111.9	NA	NA
Department of the Interior	705,989.6	48,939.0	580,552.4	76,498.2	NA	NA
Bureau of Ocean Energy Management, Regulation and Enforcement	45,399.2	0.0	45,399.2	0.0	NA	NA
Bureau of Reclamation	11,465.0	0.0	8,599.0	2,866.0	NA	NA
National Park Service	9,160.3	0.0	8,301.1	859.2	NA	NA
U.S. Geological Survey	639,965.0	48,939.0	518,253.0	72,773.0	NA	NA
Department of Justice	102,303.0	17,524.1	66,942.8	17,836.2	NA	NA
Bureau of Prisons	11,625.0	0.0	3,463.0	8,162.0	NA	NA
Federal Bureau of Investigation	17,740.9	0.0	8,066.7	9,674.2	NA	NA
Office of Justice Programs	72,937.1	17,524.1	55,413.0	0.0	NA	NA
Department of Labor	55,639.0	0.0	53,006.8	2,632.2	NA	NA
Employee Benefits Security Administration	48,543.8	0.0	48,543.8	0.0	NA	NA
Occupational Safety and Health Administration	4,298.0	0.0	4,298.0	0.0	NA	NA
Pension Benefit Guaranty Corp.	2,797.2	0.0	165.0	2,632.2	NA	NA
Department of State	3,258.2	0.0	3,258.2	0.0	NA	NA
Department of Transportation	841,441.0	4,357.9	632,634.9	204,448.2	NA	NA
Federal Aviation Administration	329,552.0	0.0	210,101.0	119,451.0	NA	NA
Federal Highway Administration	344,083.3	4,357.9	295,398.9	44,326.4	NA	NA
Federal Motor Carrier Safety Administration	6,336.3	0.0	5,707.4	628.8	NA	NA
Federal Railroad Administration	44,360.0	0.0	20,336.4	24,023.6	NA	NA
Federal Transit Administration	23,847.0	0.0	23,294.0	553.0	NA	NA
National Highway Traffic Safety Administration	71,000.0	0.0	71,000.0	0.0	NA	NA
Office of the Secretary	9,259.0	0.0	0.0	9,259.0	NA	NA
Pipeline and Hazardous Materials Safety Administration	7,927.1	0.0	3,361.4	4,565.7	NA	NA
Research and Innovative Technology Administration	5,076.3	0.0	3,435.7	1,640.6	NA	NA
Department of the Treasury	77,573.2	237.9	76,739.5	595.9	NA	NA
Bureau of Engraving and Printing	5,770.5	237.9	4,936.8	595.9	NA	NA
Internal Revenue Service	70,815.4	0.0	70,815.4	0.0	NA	NA
U.S. Mint	987.3	0.0	987.3	0.0	NA	NA
Department of Veterans Affairs	612,901.0	250,557.9	324,862.3	37,480.8	NA	NA
Other agencies						
Agency for International Development	119,195.3	0.0	119,195.3	0.0	NA	NA
Appalachian Regional Commission	389.1	0.0	389.1	0.0	NA	NA
Environmental Protection Agency	576,990.0	87,997.4	403,392.6	85,600.0	NA	NA
Federal Communications Commission	3,660.6	0.0	3,660.6	0.0	NA	NA
Federal Trade Commission	2,728.8	0.0	2,728.8	0.0	NA	NA
Library of Congress	1,505.1	0.0	884.3	620.8	NA	NA
National Aeronautics and Space Administration	6,570,456.4	856,837.8	717,781.6	4,995,837.0	NA	NA
National Archives and Records Administration	3,052.5	0.0	3,052.5	0.0	NA	NA
National Science Foundation	5,145,590.0	4,690,620.0	454,970.0	0.0	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Nuclear Regulatory Commission	83,796.3	0.0	83,796.3	0.0	NA	NA
Smithsonian Institution	193,052.0	193,052.0	0.0	0.0	NA	NA
Social Security Administration	52,997.0	0.0	52,997.0	0.0	NA	NA

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

^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.