

TABLE 52. Federal obligations for applied research in engineering, by agency and detailed field: FY 2011

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
All agencies	6,889,194.1	691,940.7	377,190.6	291,835.1	467,889.0	954,414.3	227,532.3	544,024.3	3,334,367.9
Departments									
Department of Agriculture	24,452.7	0.0	0.0	2,039.4	634.5	362.6	453.2	0.0	20,963.1
Agricultural Research Service	4,078.8	0.0	0.0	2,039.4	634.5	362.6	453.2	0.0	589.2
Forest Service	4,673.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,673.9
National Institute of Food and Agriculture	15,700.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,700.0
Department of Commerce	179,175.2	0.0	0.0	2,335.2	37,232.2	57,536.6	3,180.6	48,745.2	30,145.4
National Institute of Standards and Technology	165,643.5	0.0	0.0	2,335.2	34,013.2	47,223.8	3,180.6	48,745.2	30,145.4
National Oceanic and Atmospheric Administration	5,723.0	0.0	0.0	0.0	3,219.0	2,504.0	0.0	0.0	0.0
National Telecommunications and Information Administration	7,808.8	0.0	0.0	0.0	0.0	7,808.8	0.0	0.0	0.0
Department of Defense	2,695,135.9	404,079.5	133,359.7	87,584.2	45,513.6	718,888.7	187,002.5	326,342.7	792,365.0
Defense Advanced Research Projects Agency	552,816.6	33,479.2	0.0	0.0	0.0	105,820.9	1,867.3	59,710.7	351,938.5
Department of the Air Force	791,435.3	265,345.6	130,603.6	3,036.6	0.0	107,535.6	19,631.0	148,987.1	116,295.8
Department of the Army	600,664.1	51,822.3	0.0	19,319.8	37,580.0	215,836.1	120,716.7	51,110.6	104,278.6
Department of the Navy	567,649.5	53,432.4	2,756.1	51,714.0	3,717.5	199,537.5	35,109.0	66,534.4	154,848.7
Other defense agencies ^a	182,570.5	0.0	0.0	13,513.7	4,216.1	90,158.6	9,678.5	0.0	65,003.6
Department of Education	7,032.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,032.5
Department of Energy	1,944,414.9	0.0	94,467.6	141,001.4	93,864.0	153,518.0	17,046.5	123,598.1	1,320,919.3
Advanced Research Projects Agency—Energy	84,094.0	0.0	0.0	6,805.7	0.0	33,866.1	16,146.3	24,489.4	2,786.5
Bonneville Power Administration	1,320.5	0.0	0.0	0.0	297.1	660.3	297.1	0.0	66.0
Electricity Delivery and Energy Reliability	55,331.6	0.0	0.0	0.0	0.0	55,331.6	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	465,900.0	0.0	0.0	0.0	92,482.6	61,405.1	540.6	606.4	310,865.3
Fossil Energy	134,887.5	0.0	0.0	133,803.1	1,084.3	0.0	0.0	0.0	0.0
National Nuclear Security Administration	876,069.0	0.0	94,467.6	392.5	0.0	2,255.0	62.5	98,502.3	680,389.1
Defense Programs	771,749.7	0.0	0.0	0.0	0.0	0.0	0.0	93,270.5	678,479.1
Nonproliferation and Verification	104,319.3	0.0	94,467.6	392.5	0.0	2,255.0	62.5	5,231.8	1,910.0
Nuclear Energy	326,812.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326,812.3
Department of Health and Human Services	748,443.3	0.0	0.0	0.0	0.0	0.0	294.7	18,970.9	729,177.6
Agency for Healthcare Research and Quality	500.9	0.0	0.0	0.0	0.0	0.0	294.7	134.7	71.5
National Institutes of Health	747,942.3	0.0	0.0	0.0	0.0	0.0	0.0	18,836.2	729,106.1
Department of Homeland Security	24,820.0	0.0	0.0	4,667.7	3,050.9	971.0	447.0	111.0	15,572.5
Science and Technology Directorate	22,891.0	0.0	0.0	4,667.7	2,650.9	0.0	0.0	0.0	15,572.5
U.S. Coast Guard	1,929.0	0.0	0.0	0.0	400.0	971.0	447.0	111.0	0.0
Department of Housing and Urban Development	1,133.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,133.7
Department of the Interior	16,373.7	0.0	0.0	4,495.7	3,009.6	687.9	2,156.0	1,320.5	4,704.0
Bureau of Ocean Energy Management, Regulation and Enforcement	9,236.8	0.0	0.0	2,518.0	0.0	0.0	1,210.2	804.6	4,704.0
Bureau of Reclamation	7,137.0	0.0	0.0	1,977.7	3,009.6	687.9	945.9	515.9	0.0

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Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
Department of Transportation	416,566.6	0.0	0.0	0.0	249,605.9	0.0	11,908.1	23,105.6	131,947.0
Federal Aviation Administration	122,202.5	0.0	0.0	0.0	73,911.9	0.0	0.0	23,105.6	25,185.0
Federal Highway Administration	257,697.7	0.0	0.0	0.0	174,954.2	0.0	0.0	0.0	82,743.4
Federal Railroad Administration	20,336.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,336.4
National Highway Traffic Safety Administration	11,415.0	0.0	0.0	0.0	0.0	0.0	11,415.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	1,479.4	0.0	0.0	0.0	739.7	0.0	493.1	0.0	246.6
Research and Innovative Technology Administration	3,435.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,435.7
Department of the Treasury	987.3	0.0	0.0	0.0	0.0	0.0	0.0	248.5	738.8
U.S. Mint	987.3	0.0	0.0	0.0	0.0	0.0	0.0	248.5	738.8
Department of Veterans Affairs	18,826.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,826.1
Other agencies									
Environmental Protection Agency	57,210.1	0.0	0.0	20,801.5	2,401.3	0.0	683.1	517.5	32,806.7
Federal Communications Commission	1,542.0	0.0	0.0	0.0	0.0	1,402.0	0.0	0.0	140.0
National Aeronautics and Space Administration	454,214.9	287,861.2	149,363.3	124.3	7.9	3,979.8	2,660.7	927.6	9,290.3
National Science Foundation	215,069.0	0.0	0.0	28,785.8	32,569.2	17,067.8	1,699.8	136.7	134,809.6
Nuclear Regulatory Commission	83,796.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83,796.3

^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.