

TABLE 92. Federal obligations for applied research performed at universities and colleges in engineering, by selected 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 surveyed	924,576.1	42,087.7	20,517.1	49,832.5	50,404.1	134,731.7	30,541.0	55,951.7	540,510.4
Departments									
Department of Agriculture	16,800.7	0.0	0.0	137.2	42.7	24.4	30.5	0.0	16,565.9
Agricultural Research Service	274.4	0.0	0.0	137.2	42.7	24.4	30.5	0.0	39.6
Forest Service	2,406.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,406.3
National Institute of Food and Agriculture	14,120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14,120.0
Department of Defense	313,694.4	15,102.6	6,515.3	11,374.2	7,715.1	93,788.8	18,856.4	29,106.2	131,235.9
Defense Advanced Research Projects Agency	130,197.1	0.0	0.0	0.0	0.0	37,455.6	1,449.8	8,291.6	83,000.0
Department of the Air Force	44,189.0	11,080.1	6,264.9	67.2	0.0	7,298.3	1,325.8	9,995.8	8,156.8
Department of the Army	31,823.1	833.1	0.0	1,735.3	3,499.0	11,568.4	8,587.6	2,810.5	2,789.3
Department of the Navy	84,065.5	3,189.4	250.4	5,355.6	0.0	26,695.1	3,277.1	8,008.3	37,289.7
Other defense agencies ^a	23,419.7	0.0	0.0	4,216.1	4,216.1	10,771.4	4,216.1	0.0	0.0
Department of Energy	100,304.6	0.0	0.0	10,163.6	9,502.7	24,264.8	9,429.3	12,150.7	34,793.5
Advanced Research Projects Agency—Energy	40,663.2	0.0	0.0	2,961.6	0.0	13,754.2	9,358.8	12,088.6	2,500.0
Bonneville Power Administration	50.0	0.0	0.0	0.0	0.0	15.0	15.0	0.0	20.0
Electricity Delivery and Energy Reliability	4,186.1	0.0	0.0	0.0	0.0	4,186.1	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	47,872.1	0.0	0.0	0.0	9,502.7	6,309.6	55.4	62.2	31,942.2
Fossil Energy	7,202.0	0.0	0.0	7,202.0	0.0	0.0	0.0	0.0	0.0
Nuclear Energy	331.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	331.3
Department of Health and Human Services	330,361.7	0.0	0.0	0.0	0.0	0.0	294.7	14,471.1	315,596.0
Agency for Healthcare Research and Quality	366.2	0.0	0.0	0.0	0.0	0.0	294.7	0.0	71.5
National Institutes of Health	329,995.5	0.0	0.0	0.0	0.0	0.0	0.0	14,471.1	315,524.5
Department of Homeland Security	1,287.5	0.0	0.0	0.0	1,112.6	0.0	0.0	0.0	174.9
Science and Technology Directorate	1,287.5	0.0	0.0	0.0	1,112.6	0.0	0.0	0.0	174.9
Other agencies									
National Aeronautics and Space Administration	42,579.7	26,985.1	14,001.8	11.6	0.7	373.1	249.4	87.0	870.9
National Science Foundation	119,547.5	0.0	0.0	28,145.9	32,030.2	16,280.6	1,680.7	136.7	41,273.4

^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. Seven agencies are required to report data for this section of the survey: the Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; the National Aeronautics and Space Administration; and the National Science Foundation. Applied research obligations of these seven agencies represented over 94% of total federal applied research obligations to universities and colleges in FY 2011. 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.