

TABLE 73. Federal obligations for research performed at universities and colleges in physical sciences, by selected agency and detailed field: FY 2011

(Dollars in thousands)

Agency	Total	Astronomy	Chemistry	Physics	Other physical sciences
All agencies surveyed	1,864,697.2	164,136.2	599,864.2	877,141.0	223,555.7
Departments					
Department of Agriculture	22,593.6	0.0	22,381.0	212.7	0.0
Agricultural Research Service	4,569.0	0.0	4,356.3	212.7	0.0
Forest Service	72.6	0.0	72.6	0.0	0.0
National Institute of Food and Agriculture	17,952.0	0.0	17,952.0	0.0	0.0
Department of Defense	297,487.0	201.6	84,817.9	171,399.8	41,067.7
Defense Advanced Research Projects Agency	15,908.3	0.0	0.0	8,949.7	6,958.6
Department of the Air Force	129,852.4	201.6	34,062.8	81,435.5	14,152.5
Department of the Army	56,014.9	0.0	29,644.5	21,368.6	5,001.8
Department of the Navy	23,283.2	0.0	12,063.8	7,352.8	3,866.5
Other defense agencies <sup>a</sup>	72,428.1	0.0	9,046.7	52,293.1	11,088.3
Department of Energy	510,804.5	0.0	106,335.6	403,795.2	673.7
Advanced Research Projects Agency—Energy	2,874.9	0.0	2,874.9	0.0	0.0
Energy Efficiency and Renewable Energy	125.8	0.0	125.8	0.0	0.0
Fossil Energy	9,992.0	0.0	9,992.0	0.0	0.0
National Nuclear Security Administration	65,188.7	0.0	0.0	64,515.0	673.7
Defense Programs	63,231.8	0.0	0.0	63,231.8	0.0
Nonproliferation and Verification	1,956.9	0.0	0.0	1,283.2	673.7
Office of Science	432,623.2	0.0	93,343.0	339,280.2	0.0
Department of Health and Human Services	165,040.6	0.0	157,003.6	0.0	8,037.1
National Institutes of Health	165,040.6	0.0	157,003.6	0.0	8,037.1
Department of Homeland Security	3,298.0	0.0	1,121.6	0.0	2,176.4
Science and Technology Directorate	3,298.0	0.0	1,121.6	0.0	2,176.4
Other agencies					
National Aeronautics and Space Administration	130,237.1	81,176.2	5,788.4	37,408.2	5,864.3
National Science Foundation	735,236.3	82,758.4	222,416.1	264,325.2	165,736.6

<sup>a</sup> 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. Research obligations of these seven agencies represented over 97% of total federal 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.