

TABLE 83

Federal obligations for applied research performed at universities and colleges in physical sciences, by selected agency and detailed field: FY 2020

(Dollars in thousands)

Agency	Total	Astronomy	Chemistry	Physics	Other physical sciences
All agencies surveyed	138,566.6	0.0	79,627.4	39,166.9	19,772.3
Departments					
Department of Agriculture	11,654.4	0.0	11,504.1	150.3	0.0
Agricultural Research Service	4,021.3	0.0	3,871.0	150.3	0.0
Forest Service	353.4	0.0	353.4	0.0	0.0
National Institute of Food and Agriculture	7,279.7	0.0	7,279.7	0.0	0.0
Department of Defense	29,832.8	0.0	9,783.1	14,553.4	5,496.2
Defense Advanced Research Projects Agency	1,844.5	0.0	0.0	1,844.5	0.0
Department of the Air Force	12,755.3	0.0	0.0	10,039.4	2,715.9
Department of the Navy	3,055.3	0.0	100.0	175.0	2,780.3
Other defense agencies	12,177.6	0.0	9,683.1	2,494.5	0.0
Department of Energy	43,488.4	0.0	26,474.5	17,013.9	0.0
Advanced Research Projects Agency—Energy	16,113.9	0.0	0.0	16,113.9	0.0
Fossil Energy	26,474.5	0.0	26,474.5	0.0	0.0
National Nuclear Security Administration	900.0	0.0	0.0	900.0	0.0
Defense Programs	900.0	0.0	0.0	900.0	0.0
Department of Health and Human Services	29,051.0	0.0	28,872.6	178.5	0.0
National Institutes of Health	29,051.0	0.0	28,872.6	178.5	0.0
Department of Homeland Security	1,283.6	0.0	1,283.6	0.0	0.0
Science and Technology Directorate	1,283.6	0.0	1,283.6	0.0	0.0
Other agencies					
National Aeronautics and Space Administration	8,221.4	0.0	0.0	2,110.2	6,111.2
National Science Foundation	15,035.0	0.0	1,709.5	5,160.6	8,164.9

Note(s):

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 more than 94% of total federal applied research obligations to universities and colleges in FY 2020. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FYs 2020 obligations include additional funding provided by supplemental COVID-19 related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2020–21.