

TABLE 71

**Federal obligations for basic research performed at universities and colleges in environmental sciences, by selected agency and detailed field: FY 2019**

(Dollars in thousands)

Agency	Total	Atmospheric sciences	Geological sciences	Oceanography	Other environmental sciences
All agencies surveyed	1,120,422.5	146,686.3	156,543.7	388,637.5	428,555.1
Departments					
Department of Agriculture	2,957.9	1,993.1	6.4	0.0	958.5
Agricultural Research Service	280.1	273.7	6.4	0.0	0.0
Forest Service	1,093.4	135.0	0.0	0.0	958.5
National Institute of Food and Agriculture	1,584.4	1,584.4	0.0	0.0	0.0
Department of Defense	76,055.5	3,357.6	966.2	67,966.6	3,765.1
Department of the Air Force	5,097.6	1,473.7	46.9	0.0	3,577.0
Department of the Army	905.6	0.0	717.4	0.0	188.1
Department of the Navy	65,459.0	0.0	0.0	65,459.0	0.0
Other defense agencies	4,593.3	1,883.9	201.8	2,507.6	0.0
Department of Energy	29,032.2	21,910.7	0.0	0.0	7,121.5
Office of Science	29,032.2	21,910.7	0.0	0.0	7,121.5
Department of Health and Human Services	115,450.8	0.0	0.0	0.0	115,450.8
Centers for Disease Control and Prevention	14,862.6	0.0	0.0	0.0	14,862.6
National Institutes of Health	100,588.1	0.0	0.0	0.0	100,588.1
Other agencies					
National Aeronautics and Space Administration	218,350.2	0.0	0.0	0.0	218,350.2
National Science Foundation	678,575.9	119,424.8	155,571.1	320,671.0	82,909.0

**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. Basic research obligations of these seven agencies represented more than 99% of total federal basic research obligations to universities and colleges in FY 2019. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. 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 2019–20.