

TABLE 60. Federal obligations for research performed at universities and colleges in environmental and physical sciences, by selected agency and detailed field: FY 2008  
(Dollars in thousands)

| Agency   | Environmental sciences |                      |                     |              |                             | Physical sciences |           |           |         |                        |
|--|------------------------|----------------------|---------------------|--------------|-----------------------------|-------------------|-----------|-----------|---------|------------------------|
|  | Total                  | Atmospheric sciences | Geological sciences | Oceanography | Environmental sciences, nec | Total             | Astronomy | Chemistry | Physics | Physical sciences, nec |
| All agencies                                     | 892,837                | 170,127              | 147,469             | 285,254      | 289,987                     | 1,628,219         | 102,797   | 558,737   | 766,778 | 199,907                |
| Departments                                      |                        |                      |                     |              |                             |                   |           |           |         |                        |
| Department of Agriculture                        | 9,588                  | 7,092                | 8                   | 0            | 2,488                       | 20,541            | 0         | 20,292    | 249     | 0                      |
| Agricultural Research Service                    | 354                    | 346                  | 8                   | 0            | 0                           | 5,356             | 0         | 5,107     | 249     | 0                      |
| Forest Service                                   | 3,314                  | 826                  | 0                   | 0            | 2,488                       | 72                | 0         | 72        | 0       | 0                      |
| National Institute of Food and Agriculture       | 5,920                  | 5,920                | 0                   | 0            | 0                           | 15,113            | 0         | 15,113    | 0       | 0                      |
| Department of Defense                            | 126,575                | 14,324               | 6,319               | 102,647      | 3,285                       | 228,134           | 4         | 68,090    | 117,145 | 42,895                 |
| Defense agencies and activities                  | 6,454                  | 1,870                | 1,084               | 3,186        | 314                         | 84,669            | 0         | 28,744    | 29,527  | 26,398                 |
| Chemical and Biological Defense                  | 305                    | 0                    | 305                 | 0            | 0                           | 22,571            | 0         | 15,106    | 0       | 7,465                  |
| Defense Advanced Research Projects Agency        | 1,076                  | 0                    | 0                   | 1,076        | 0                           | 35,638            | 0         | 9,067     | 10,635  | 15,936                 |
| Defense Threat Reduction Agency                  | 0                      | 0                    | 0                   | 0            | 0                           | 13,407            | 0         | 0         | 13,407  | 0                      |
| Office of the Secretary of Defense               | 5,073                  | 1,870                | 779                 | 2,110        | 314                         | 13,053            | 0         | 4,571     | 5,485   | 2,997                  |
| Department of the Air Force                      | 3,883                  | 1,585                | 2,298               | 0            | 0                           | 54,438            | 4         | 257       | 54,177  | 0                      |
| Department of the Army                           | 8,188                  | 3,741                | 2,937               | 0            | 1,510                       | 48,658            | 0         | 19,885    | 20,007  | 8,766                  |
| Department of the Navy                           | 108,050                | 7,128                | 0                   | 99,461       | 1,461                       | 40,369            | 0         | 19,204    | 13,434  | 7,731                  |
| Department of Energy                             | 64,300                 | 36,822               | 9,420               | 0            | 18,058                      | 475,322           | 0         | 80,342    | 394,980 | 0                      |
| Energy Efficiency and Renewable Energy           | 0                      | 0                    | 0                   | 0            | 0                           | 963               | 0         | 963       | 0       | 0                      |
| Environmental Management                         | 12                     | 0                    | 0                   | 0            | 12                          | 0                 | 0         | 0         | 0       | 0                      |
| Fossil Energy                                    | 5,686                  | 0                    | 0                   | 0            | 5,686                       | 8,691             | 0         | 8,691     | 0       | 0                      |
| National Nuclear Security Administration         | 933                    | 434                  | 499                 | 0            | 0                           | 64,513            | 0         | 656       | 63,857  | 0                      |
| Defense Programs                                 | 0                      | 0                    | 0                   | 0            | 0                           | 58,831            | 0         | 0         | 58,831  | 0                      |
| Nonproliferation and Verification                | 933                    | 434                  | 499                 | 0            | 0                           | 5,682             | 0         | 656       | 5,026   | 0                      |
| Office of Science                                | 57,669                 | 36,388               | 8,921               | 0            | 12,360                      | 401,155           | 0         | 70,032    | 331,123 | 0                      |
| Department of Health and Human Services          | 228,461                | 0                    | 0                   | 0            | 228,461                     | 208,899           | 0         | 196,836   | 0       | 12,063                 |
| Agency for Toxic Substances and Disease Registry | 550                    | 0                    | 0                   | 0            | 550                         | 0                 | 0         | 0         | 0       | 0                      |
| Centers for Disease Control and Prevention       | 15,823                 | 0                    | 0                   | 0            | 15,823                      | 0                 | 0         | 0         | 0       | 0                      |
| National Institutes of Health                    | 212,088                | 0                    | 0                   | 0            | 212,088                     | 208,899           | 0         | 196,836   | 0       | 12,063                 |
| Department of Homeland Security                  | 0                      | 0                    | 0                   | 0            | 0                           | 14,827            | 0         | 6,195     | 8,494   | 138                    |
| Science and Technology Directorate               | 0                      | 0                    | 0                   | 0            | 0                           | 14,827            | 0         | 6,195     | 8,494   | 138                    |
| Other agencies                                   |                        |                      |                     |              |                             |                   |           |           |         |                        |
| National Aeronautics and Space Administration    | 14,859                 | 9,509                | 2,742               | 1,540        | 1,068                       | 16,623            | 10,496    | 711       | 4,665   | 751                    |
| National Science Foundation                      | 449,054                | 102,380              | 128,980             | 181,067      | 36,627                      | 663,873           | 92,297    | 186,271   | 241,245 | 144,060                |

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 96% of total federal research obligations to universities and colleges in FY 2008. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2008–10.