

TABLE 36

**Federal obligations for basic research in physical sciences, by agency and detailed field: FY 2020**

(Dollars in thousands)

| Agency   | Total       | Astronomy | Chemistry | Physics     | Other physical sciences |
|--|-------------|-----------|-----------|-------------|-------------------------|
| All agencies                                   | 6,512,990.9 | 870,437.6 | 754,054.9 | 2,515,870.5 | 2,372,627.9             |
| Departments                                    |             |           |           |             |                         |
| Department of Agriculture                      | 54,742.0    | 0.0       | 53,033.7  | 1,708.2     | 0.0                     |
| Agricultural Research Service                  | 45,695.3    | 0.0       | 43,987.0  | 1,708.2     | 0.0                     |
| Forest Service                                 | 3,133.0     | 0.0       | 3,133.0   | 0.0         | 0.0                     |
| National Institute of Food and Agriculture     | 5,913.8     | 0.0       | 5,913.8   | 0.0         | 0.0                     |
| Department of Commerce                         | 187,914.2   | 0.0       | 22,295.8  | 163,650.5   | 1,967.9                 |
| National Institute of Standards and Technology | 187,914.2   | 0.0       | 22,295.8  | 163,650.5   | 1,967.9                 |
| Department of Defense                          | 248,492.1   | 3,803.2   | 53,688.7  | 135,822.4   | 55,177.7                |
| Defense Advanced Research Projects Agency      | 34,094.4    | 0.0       | 550.0     | 33,544.4    | 0.0                     |
| Department of the Air Force                    | 86,843.8    | 3,803.2   | 13,193.9  | 53,378.8    | 16,468.0                |
| Department of the Army                         | 39,980.7    | 0.0       | 17,060.5  | 19,221.8    | 3,698.4                 |
| Department of the Navy                         | 42,576.1    | 0.0       | 3,175.3   | 6,088.9     | 33,311.9                |
| Other defense agencies                         | 44,997.0    | 0.0       | 19,709.1  | 23,588.4    | 1,699.5                 |
| Department of Energy                           | 3,477,728.3 | 0.0       | 313,507.9 | 1,928,376.1 | 1,235,844.4             |
| Fossil Energy                                  | 33,967.0    | 0.0       | 33,967.0  | 0.0         | 0.0                     |
| National Nuclear Security Administration       | 103,668.0   | 0.0       | 8,396.5   | 33,077.1    | 62,194.3                |
| Office of Defense Nuclear Nonproliferation     | 103,668.0   | 0.0       | 8,396.5   | 33,077.1    | 62,194.3                |
| Office of Science                              | 3,340,093.3 | 0.0       | 271,144.3 | 1,895,298.9 | 1,173,650.1             |
| Department of Health and Human Services        | 55,669.5    | 0.0       | 54,982.0  | 687.6       | 0.0                     |
| National Institutes of Health                  | 55,669.5    | 0.0       | 54,982.0  | 687.6       | 0.0                     |
| Department of Homeland Security                | 3,649.5     | 0.0       | 386.6     | 3,263.0     | 0.0                     |
| Countering Weapons of Mass Destruction Office  | 3,263.0     | 0.0       | 0.0       | 3,263.0     | 0.0                     |
| Science and Technology Directorate             | 386.6       | 0.0       | 386.6     | 0.0         | 0.0                     |
| Department of the Interior                     | 707.3       | 0.0       | 376.9     | 330.4       | 0.0                     |
| Bureau of Safety and Environmental Enforcement | 707.3       | 0.0       | 376.9     | 330.4       | 0.0                     |
| Department of the Treasury                     | 5,521.0     | 0.0       | 0.0       | 0.0         | 5,521.0                 |
| Bureau of Engraving and Printing               | 5,521.0     | 0.0       | 0.0       | 0.0         | 5,521.0                 |
| Other agencies                                 |             |           |           |             |                         |
| National Aeronautics and Space Administration  | 1,460,448.9 | 612,490.2 | 0.0       | 0.0         | 847,958.6               |
| National Science Foundation                    | 1,016,352.8 | 252,378.8 | 255,783.4 | 282,032.4   | 226,158.2               |
| Smithsonian Institution                        | 1,765.3     | 1,765.3   | 0.0       | 0.0         | 0.0                     |

**Note(s):**

Because of rounding, detail may not add to total. 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.