

TABLE 75

## Federal obligations for R&amp;D plant, by agency: FYs 2013–22

(Dollars in millions)

| Agency   | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022<br>(preliminary) |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| All agencies   | 1,905 | 2,218 | 2,825 | 2,441 | 2,652 | 3,853 | 4,376 | 6,150 | 4,282 | 4,492                 |
| Departments  |       |       |       |       |       |       |       |       |       |                       |
| Department of Agriculture                                | 12    | 11    | 11    | 23    | 157   | 44    | 29    | 790   | 57    | 19                    |
| Agricultural Research Service                            | 3     | 1     | 1     | 8     | 147   | 28    | 19    | 780   | 46    | 9                     |
| Forest Service   | 8     | 7     | 8     | 13    | 9     | 16    | 10    | 9     | 12    | 10                    |
| Grain Inspection, Packers, and Stockyards Administration | 2     | 2     | 2     | 2     | *     | na    | na    | na    | na    | na                    |
| Natural Resources Conservation Service                   | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | *     | 0                     |
| Department of Commerce                                   | 202   | 193   | 188   | 285   | 235   | 394   | 464   | 359   | 429   | 620                   |
| National Institute of Standards and Technology           | 74    | 63    | 40    | 121   | 91    | 105   | 119   | 143   | 251   | 143                   |
| National Oceanic and Atmospheric Administration          | 128   | 129   | 148   | 164   | 144   | 288   | 345   | 216   | 178   | 478                   |
| Department of Defense                                    | 97    | 148   | 169   | 178   | 291   | 471   | 610   | 312   | 169   | 162                   |
| Defense Health Agency                                    | na    | NA    | NA    | NA    | NA    | NA    | NA    | 15    | 0     | 0                     |
| Department of the Air Force                              | 75    | 121   | 123   | 120   | 225   | 210   | 193   | 241   | 121   | 117                   |
| Department of the Army                                   | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | NA    | NA                    |
| Department of the Navy                                   | 20    | 24    | 36    | 38    | 49    | 79    | 143   | 45    | 37    | 36                    |
| Other defense agencies                                   | 1     | 4     | 11    | 19    | 18    | 182   | 274   | 11    | 10    | 8                     |
| Department of Energy                                     | 556   | 770   | 952   | 1,135 | 1,276 | 2,062 | 2,245 | 2,325 | 2,668 | 2,473                 |
| Energy Efficiency and Renewable Energy                   | 4     | 4     | 4     | 4     | 4     | 227   | 305   | 53    | 42    | 61                    |
| Fossil Energy  | 15    | 16    | 16    | 0     | 16    | 21    | 23    | 29    | 29    | 29                    |
| National Nuclear Security Administration                 | 75    | 116   | 256   | 251   | 305   | 474   | 337   | 574   | 967   | 863                   |
| Defense Programs   | 75    | 94    | 101   | 91    | 105   | 259   | 337   | 327   | 617   | 437                   |
| Naval Nuclear Propulsion Program                         | *     | 22    | 155   | 160   | 200   | 214   | 0     | 247   | 331   | 407                   |
| Office of Defense Nuclear Nonproliferation               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 19    | 19                    |
| Office of Science  | 462   | 635   | 676   | 880   | 951   | 1,340 | 1,580 | 1,669 | 1,630 | 1,520                 |
| Department of Health and Human Services                  | 130   | 143   | 153   | 151   | 128   | 204   | 243   | 1,769 | 399   | 241                   |
| Biomedical Advanced Research and Development Authority   | NA    | NA    | NA    | NA    | NA    | NA    | 0     | 1,296 | 160   | *                     |
| Food and Drug Administration                             | 4     | 6     | 7     | 5     | 5     | 7     | 26    | 20    | 8     | 9                     |
| Health Resources and Services Administration             | 1     | 1     | 1     | 1     | 0     | 0     | 0     | 0     | 1     | 1                     |
| National Institutes of Health                            | 126   | 136   | 146   | 145   | 123   | 197   | 217   | 453   | 229   | 230                   |
| Department of Homeland Security                          | 328   | 361   | 903   | 117   | 13    | 1     | 1     | 0     | 20    | 20                    |
| Coast Guard  | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 0     | 0     | 0                     |
| Science and Technology Directorate                       | 327   | 360   | 902   | 116   | 12    | 0     | 0     | 0     | 19    | 19                    |
| Transportation Security Administration                   | NA    | NA    | NA    | NA    | NA    | 0     | 0     | 0     | 1     | 1                     |
| Department of the Interior                               | 8     | 5     | 9     | 3     | 5     | 3     | 5     | 7     | 13    | 8                     |
| Bureau of Reclamation                                    | 3     | 2     | 3     | 1     | 1     | 1     | 1     | 2     | 2     | 2                     |
| Bureau of Safety and Environmental Enforcement           | 5     | 3     | 6     | 2     | 4     | 2     | 3     | 5     | 11    | 6                     |
| Department of Transportation                             | 21    | 20    | 29    | 25    | 38    | 31    | 39    | 40    | 37    | 38                    |
| Federal Aviation Administration                          | 19    | 16    | 26    | 22    | 37    | 28    | 37    | 38    | 35    | 36                    |
| Federal Railroad Administration                          | 2     | 3     | 3     | 2     | 2     | 2     | 2     | 2     | 1     | 2                     |
| National Highway Traffic Safety Administration           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1                     |
| Department of the Treasury                               | 0     | 0     | 0     | 0     | 0     | 0     | 4     | 0     | 0     | *                     |
| Bureau of Engraving and Printing                         | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 0     | 0     | 0                     |
| Mint   | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 0     | 0     | *                     |
| Other agencies   |       |       |       |       |       |       |       |       |       |                       |
| Environmental Protection Agency                          | 7     | 7     | 5     | 5     | 5     | 5     | 5     | 4     | 6     | 6                     |
| National Aeronautics and Space Administration            | 126   | 127   | 52    | 58    | 43    | 97    | 46    | 36    | 52    | 99                    |
| National Science Foundation                              | 373   | 397   | 320   | 433   | 428   | 509   | 652   | 441   | 433   | 807                   |
| Smithsonian Institution                                  | 45    | 36    | 33    | 29    | 33    | 33    | 33    | 66    | 0     | 0                     |

\* = amount greater than \$0 but less than \$500,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data were not collected at that level for that fiscal year.

**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, 2021, and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-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.