

TABLE C-53. Federal obligations for R&D plant, by agency and R&D performer: FY 2002  
(Dollars in thousands)

| Agency  | Total     | Intra-<br>mural <sup>1</sup> | Extramural                         |                    |                                      |                           |  |                          |                                |         |
|---|-----------|------------------------------|------------------------------------|--------------------|--------------------------------------|---------------------------|--|--------------------------|--------------------------------|---------|
|   |           |                              | United States and U.S. territories |                    |                                      |                           |  |                          |                                | Foreign |
|   |           |                              | Industry                           | Industry<br>FFRDCs | Univer-<br>sities<br>and<br>colleges | Univer-<br>sity<br>FFRDCs | Other<br>non-<br>profit<br>insti-<br>tutions | Non-<br>profit<br>FFRDCs | State<br>and<br>local<br>govts |         |
| All agencies                                      | 4,304,743 | 414,805                      | 2,524,906                          | 109,085            | 241,123                              | 583,309                   | 29,058                                       | 388,799                  | 1,999                          | 11,659  |
| Departments                                       |           |                              |                                    |                    |                                      |                           |  |                          |                                |         |
| Department of Agriculture                         | 118,799   | 118,799                      | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Agricultural Research Service                     | 103,799   | 103,799                      | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Forest Service                                    | 15,000    | 15,000                       | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Department of Commerce                            | 29,140    | 29,140                       | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| National Institute of Standards<br>and Technology | 29,140    | 29,140                       | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Department of Defense                             | 365,080   | 42,048                       | 320,254                            | 107                | 528                                  | 0                         | 35   | 2,108                    | 0                              | 0       |
| Defense Agencies                                  | 284,114   | 1,729                        | 281,607                            | 107                | 528                                  | 0                         | 35   | 108                      | 0                              | 0       |
| Ballistic Missile Defense<br>Organization         | 282,275   | 954                          | 281,321                            | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Washington Headquarters<br>Services               | 1,839     | 775                          | 286                                | 107                | 528                                  | 0                         | 35   | 108                      | 0                              | 0       |
| Department of the Air Force                       | 23,497    | 1,675                        | 19,822                             | 0                  | 0                                    | 0                         | 0  | 2,000                    | 0                              | 0       |
| Air Force, Materials Command                      | 5,417     | 320                          | 5,097                              | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Air Force, Space Command                          | 18,080    | 1,355                        | 14,725                             | 0                  | 0                                    | 0                         | 0  | 2,000                    | 0                              | 0       |
| Department of the Navy                            | 57,469    | 38,644                       | 18,825                             | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Department of Energy                              | 1,028,002 | 1                            | 50,058                             | 108,978            | 8,454                                | 483,811                   | 0  | 376,700                  | 0                              | 0       |
| Energy Efficiency and Renewable<br>Energy         | 4,870     | 0                            | 0                                  | 0                  | 0                                    | 0                         | 0  | 4,870                    | 0                              | 0       |
| Fossil Energy                                     | 10,220    | 0                            | 10,220                             | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| National Nuclear Security<br>Administration       | 425,839   | 1                            | 39,091                             | 105,623            | 0                                    | 281,124                   | 0  | 0                        | 0                              | 0       |
| Defense Programs                                  | 397,297   | 0                            | 13,941                             | 102,232            | 0                                    | 281,124                   | 0  | 0                        | 0                              | 0       |
| Fissile Materials Disposition                     | 1         | 1                            | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Naval Reactors                                    | 28,541    | 0                            | 25,150                             | 3,391              | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Office of Science                                 | 587,073   | 0                            | 747                                | 3,355              | 8,454                                | 202,687                   | 0  | 371,830                  | 0                              | 0       |
| Department of Health and Human<br>Services        | 247,480   | 125,501                      | 0                                  | 0                  | 97,502                               | 0                         | 22,478                                       | 0                        | 1,999                          | 0       |
| Food and Drug Administration                      | 13,418    | 13,418                       | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Health Resources and Services<br>Administration   | 623       | 623                          | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| National Institutes of Health                     | 233,439   | 111,460                      | 0                                  | 0                  | 97,502                               | 0                         | 22,478                                       | 0                        | 1,999                          | 0       |
| Department of the Interior                        | 2,086     | 7                            | 2,070                              | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 9       |
| Minerals Management Service                       | 2,086     | 7                            | 2,070                              | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 9       |
| Department of Transportation                      | 51,692    | 36,000                       | 15,369                             | 0                  | 323                                  | 0                         | 0  | 0                        | 0                              | 0       |
| Coast Guard                                       | 323       | 0                            | 0                                  | 0                  | 323                                  | 0                         | 0  | 0                        | 0                              | 0       |
| Federal Aviation Administration                   | 14,450    | 0                            | 14,450                             | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Federal Railroad Administration                   | 919       | 0                            | 919                                | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Transportation Security<br>Administration         | 36,000    | 36,000                       | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |
| Department of Veterans Affairs                    | 353       | 353                          | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |

See explanatory information, if any, and SOURCE at end of table.

TABLE C-53. Federal obligations for R&D plant, by agency and R&D performer: FY 2002  
(Dollars in thousands)

| Agency   | Total     | Intra-<br>mural <sup>1</sup> | Extramural                         |                    |                                      |                           |  |                          |                                | Foreign |
|--|-----------|------------------------------|------------------------------------|--------------------|--------------------------------------|---------------------------|--|--------------------------|--------------------------------|---------|
|  |           |                              | United States and U.S. territories |                    |                                      |                           |  |                          |                                |         |
|  |           |                              | Industry                           | Industry<br>FFRDCs | Univer-<br>sities<br>and<br>colleges | Univer-<br>sity<br>FFRDCs | Other<br>non-<br>profit<br>insti-<br>tutions | Non-<br>profit<br>FFRDCs | State<br>and<br>local<br>govts |         |
| Other agencies                                   |           |                              |                                    |                    |                                      |                           |  |                          |                                |         |
| National Aeronautics and Space<br>Administration | 2,218,280 | 49,684                       | 2,118,842                          | 0                  | 0                                    | 28,113                    | 0  | 9,991                    | 0                              | 11,650  |
| National Science Foundation                      | 240,831   | 10,272                       | 18,313                             | 0                  | 134,316                              | 71,385                    | 6,545  | 0                        | 0                              | 0       |
| Smithsonian Institution                          | 3,000     | 3,000                        | 0                                  | 0                  | 0                                    | 0                         | 0  | 0                        | 0                              | 0       |

<sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

FFRDCs = Federally funded research and development centers.  
R&D = Research and development.

NOTE: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FYs 2002, 2003, and 2004.