

TABLE 9. Funds for and companies performing energy R&D in the United States, by selected industry, company size, and primary energy source, by source of funds: 2006

(Amount in millions of dollars)

| Industry and company size                                 | NAICS codes             | All R&D   |        | Federal   |        | Company and other |        |
|---|-------------------------|-----------|--------|-----------|--------|-------------------|--------|
|   |                         | Companies | Amount | Companies | Amount | Companies         | Amount |
| All industries  | 21-23, 31-33, 42, 44-81 | 107       | 4,206  | 34        | 205    | 100               | 4,001  |
| Manufacturing   | 31-33                   | 59        | 2,759  | 17        | 141    | 57                | 2,618  |
| Petroleum and coal products                               | 324                     | 1         | D      | 0         | 0      | 1                 | D      |
| Chemicals   | 325                     | 8         | D      | 3         | D      | 8                 | 202    |
| Machinery   | 333                     | 12        | 362    | 4         | 2      | 12                | 360    |
| Computer and electronic products                          | 334                     | 10        | 815    | 3         | 13     | 10                | 802    |
| Electrical equipment, appliances, and components          | 335                     | 8         | 114    | 3         | 47     | 7                 | 67     |
| Transportation equipment                                  | 336                     | 11        | 838    | 4         | D      | 10                | D      |
| All other manufacturing                                   | -                       | 9         | 32     | 0         | 0      | 9                 | 32     |
| Nonmanufacturing  | 21-23, 42, 44-81        | 48        | 1,447  | 17        | 64     | 43                | 1,383  |
| Mining, extraction, and support activities                | 21                      | 6         | D      | 1         | D      | 6                 | 738    |
| All other nonmanufacturing                                | 22, 23, 42, 44-81       | 42        | D      | 16        | D      | 37                | 645    |
| Company size (employees)                                  |                         |           |        |           |        |                   |        |
| All companies   | -                       | 107       | 4,206  | 34        | 205    | 100               | 4,001  |
| 5-24  | -                       | 1         | D      | 0         | 0      | 1                 | D      |
| 25-49   | -                       | 7         | 20     | 5         | 6      | 5                 | 14     |
| 50-99   | -                       | 3         | D      | 2         | D      | 2                 | D      |
| 100-249   | -                       | 13        | 71     | 6         | 15     | 10                | 56     |
| 250-499   | -                       | 13        | 151    | 6         | 51     | 13                | 100    |
| 500-999   | -                       | 4         | 68     | 0         | 0      | 4                 | 68     |
| 1,000-4,999   | -                       | 24        | D      | 2         | D      | 24                | 567    |
| 5,000-9,999   | -                       | 15        | D      | 3         | D      | 15                | 466    |
| 10,000-24,999   | -                       | 14        | 1,634  | 4         | 6      | 14                | 1,628  |
| 25,000 or more  | -                       | 13        | 1,188  | 6         | 95     | 12                | 1,094  |
| Primary energy source                                     |                         |           |        |           |        |                   |        |
| All energy  | -                       | 107       | 4,206  | 34        | 205    | 100               | 4,001  |
| Fossil fuels  | -                       | 45        | 2,416  | 9         | 53     | 44                | 2,363  |
| Nuclear   | -                       | 12        | D      | 3         | D      | 11                | 347    |
| Total geothermal, solar, and conservation and utilization | -                       | 14        | D      | 5         | D      | 13                | 205 i  |
| All other energy  | -                       | 66        | 1,188  | 23        | 102    | 61                | 1,085  |

D = suppressed to avoid disclosure of confidential information; i = more than 50% of the value is imputed; - = not applicable.

NOTES: Detail does not add to total for number of companies for primary energy source because categories are not mutually exclusive. The method used to assign industry classifications has changed; industry-specific estimates are not directly comparable with those for years prior to 2004. All and federally funded industrial R&D exclude federally funded research and development centers. Energy R&D data are collected only on Form RD-1, the questionnaire sent to larger R&D-performing companies. Consequently, the universe of companies that performs energy R&D may not be represented by the statistics in this table. The R&D in this table is the industrial R&D performed within company facilities funded from all sources. The funds are the company's own; funds from outside organizations, such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments; and funds from the federal government. Excludes R&D performed outside of the company (e.g., R&D performed by other organizations) and R&D performed outside of the 50 U.S. states or DC (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations). For definitions and more information about year-to-year comparability of the statistics, see technical notes and survey methodology.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2006.