

TABLE 39. 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: 2007

(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	144	5,671	42	411	138	5,260
Manufacturing	31-33	86	3,775	22	336	86	3,439
Petroleum and coal products	324	2	D	0	0	2	D
Chemicals	325	18	337	5	17	18	319
Machinery	333	13	677	1	D	13	D
Computer and electronic products	334	15	1,159	6	201	15	958
Electrical equipment, appliances, and components	335	11	183	7	53	11	131
Transportation equipment	336	8	D	2	D	8	737
All other manufacturing	-	19	D	1	D	19	84
Nonmanufacturing	21-23, 42, 44-81	58	1,896	20	75	52	1,821
Mining, extraction, and support activities	21	11	D	2	D	10	992
All other nonmanufacturing	22, 23, 42, 44-81	47	D	18	D	42	829
Company size (employees)							
All companies	-	144	5,671	42	411	138	5,260
5-24	-	1	D	0	0	1	D
25-49	-	15	93	6	13	14	80
50-99	-	5	28	3	*	3	27
100-249	-	18	120	7	34	16	86
250-499	-	11	143	4	34	11	109
500-999	-	10	142	3	D	10	D
1,000-4,999	-	35	1,350	4	12	35	1,338
5,000-9,999	-	14	284	5	25	13	259
10,000-24,999	-	18	D	3	D	18	1,731
25,000 or more	-	17	1,765	7	207	17	1,558
Primary energy source							
All energy	-	144	5,671	42	411	138	5,260
Fossil fuels	-	63	2,984	14	164	60	2,819
Nuclear	-	14	D	3	D	11	472
Total geothermal, solar, and conservation and utilization	-	27	D	10	D	25	304 i
All other energy	-	85	1,835	24	171	81	1,664

D = suppressed to avoid disclosure of confidential information; i = more than 50% of the value is imputed; - = not applicable; \* = amount < \$500,000.

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. Excludes federally funded research and development centers. The R&D in this table is the industrial R&D performed within company facilities funded from all sources. 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 and 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: 2007.