

TABLE 10. Funds for industrial energy R&D performance in the United States and companies that performed energy R&D in the United States, by selected industry and size of company: 2002 and projected 2003

(Millions of dollars)

Industry and size of company	NAICS codes	Number of companies	2002 ^a			Projected 2003		
			Total	Federal	Company and other ^b	Total	Federal	Company and other ^b
Distribution by industry:								
All industries	21-23, 31-33, 42, 44-81	86	1,725	123	1,603	1,031	90	941
Manufacturing	31-33	52	1,470	70	1,400	907	47	859
Petroleum and coal products	324	3	(D)	(D)	361	(D)	(D)	317
Chemicals	325	9	19	4	16	(D)	(D)	18
Machinery	333	3	(D)	(D)	15	(D)	(D)	17
Computer and electronic products	334	12	(D)	(D)	371	(D)	(D)	280
Electrical equipment, appliances, and components	335	4	(D)	(D)	5	(D)	(D)	(z)
Transportation equipment	336	7	(D)	(D)	575	(D)	(D)	162
All other manufacturing		14	(D)	(D)	58	(D)	(D)	65
Nonmanufacturing	21-23, 42, 44-81	34	255	53	202	124	43	81
Mining, extraction, and support activities	21	4	(D)	(D)	10	(D)	(D)	(z)
All other nonmanufacturing	--	30	(D)	(D)	192	(D)	(D)	81
Distribution by size of company (number of employees):								
Total	(na)	86	1,725	123	1,603	1,031	90	941
5 to 24	(na)	3	(D)	(D)	8	-	-	-
25 to 49	(na)	2	(D)	(D)	6	(D)	(D)	6
50 to 99	(na)	3	11	11	(z)	(D)	(D)	(z)
100 to 249	(na)	9	35	17	18	24	17	7
250 to 499	(na)	5	(D)	(D)	31	(D)	(D)	(z)
500 to 999	(na)	12	(D)	(D)	92	(D)	(D)	65
1,000 to 4,999	(na)	17	(D)	(D)	219	(D)	(D)	90
5,000 to 9,999	(na)	8	(D)	(D)	55	(D)	(D)	56
10,000 to 24,999	(na)	14	400	2	398	433	2	431
25,000 or more	(na)	13	818	43	776	315	29	286

(D) = data have been withheld to avoid disclosing operations of individual companies; (z) = indicates data less than half the unit shown; (-) = all NAICS codes other than those specified; (-) = indicates a value of zero or a value rounded to zero; (na) = not applicable.

^a Beginning with 2001, statistics for total and federally funded industrial R&D exclude data for federally funded research and development centers.

^b The company R&D in this table is the industrial R&D performed within company facilities funded from all sources except the federal government. The funds predominantly are the company's own, but also include funds from outside organizations such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D contracted out to other organizations) and company-funded R&D not performed within the 50 U.S. states or DC (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations).

NOTES: 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. For information on sampling for 2002, see appendix A, Technical Notes.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2002.