

TABLE 46. R&D expenditures in the environmental sciences at universities and colleges, ranked by all FY 2004 environmental sciences for the first 100 institutions: FY 2001–04 and by subfield for FY 2004

(Dollars in thousands)

Rank	Institution	2001	2002	2003	2004				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
	All institutions	1,831,387	2,019,481	2,190,230	2,354,063	415,645	829,609	776,498	332,311
1	U. CA, San Diego	119,096	114,136	116,885	122,387	7,210	32,443	82,327	407
2	Woods Hole Oceanographic Institution	71,849	77,560	86,293	96,548	6,921 i	32,200 i	25,052 i	32,375 i
3	U. CO all campuses	51,590	60,896	65,638	86,142	39,688	45,488	244	722
4	U. WA	73,448	71,330	82,846	78,845	17,705	8,455	52,685	0
5	CO State U.	15,671	38,167	42,779	71,410	26,192	45,218	0	0
6	U. AK Fairbanks all campuses	30,488	71,747	74,882	67,891	30,408	12,279	21,466	3,738
7	TX A&M U. all campuses	80,789	81,950	85,351	66,724	4,718	3,919	45,720	12,367
8	U. HI Manoa	47,185	45,908	45,283	54,891	3,936	11,294	37,305	2,356
9	Columbia U. in the City of NY	46,375	52,455	52,298	54,163	4,966	87	45,870	3,240
10	U. WI Madison	29,040	34,220	44,557	54,127	38,558	5,519	3,440	6,610
11	U. NH	40,098	38,664	41,807	45,307	9,486	16,147	19,674	0
12	U. Miami	30,957	37,275	40,808	44,320	20,960	99	20,344	2,917
13	U. IL Urbana-Champaign	33,855	36,157	37,822	41,152	3,745	35,766	0	1,641
14	PA State U. all campuses	22,550	27,679	43,134	41,057	11,741	23,028	6,288	0
15	U. MD Ctr. for Environmental Science	36,635	38,501	38,344	39,631	0	4,594	35,037	0
16	Johns Hopkins U., The ^a	36,577	35,791	35,703	38,585	6,909 i	2,366 i	11,056 i	18,254 i
17	OR State U.	36,295	34,844	37,739	37,912	1,938	1,847	20,179	13,948
18	C. of William and Mary all campuses	24,956	26,493	30,325	32,640	0	440	32,198	2
19	U. TX Austin	24,932	27,396	29,744	30,915	0	24,327	4,926	1,662
20	LA State U. all campuses	32,636	35,314	29,279	30,827	0	5,865	17,805	7,157
21	U. OK all campuses	29,571	33,499	29,929	29,639	22,312	7,327	0	0
22	MA Institute of Technology	21,390	22,007	27,656	28,648	8,228	10,467	7,448	2,505
23	U. South FL	18,752	25,479	27,198	28,375	94	3,671	24,408	202
24	Rutgers, The State U. NJ all campuses	20,511	25,279	26,402	28,359	1,456	1,620	14,430	10,853
25	U. CA, Davis	30,580	29,532	28,451	26,891	0	2,999	4,983	18,909
26	U. CA, Santa Barbara	22,963	22,840	24,343	26,527	0	4,672	20,640	1,215
27	Desert Research Institute	22,765	22,123	24,623	26,318	16,007	10,311	0	0
28	U. RI	24,245	23,869	28,756	25,824	0	824	24,845	155
29	Hampton U.	968	2,919	10,595	24,587	24,197	0	390	0
30	U. NC Chapel Hill	12,615	15,402	19,409	23,761	0	15,939	7,822	0
31	U. ME	19,969	18,952	21,337	22,830	0	10,594	12,236	0
32	SUNY Stony Brook all campuses	17,199	20,744	20,082	21,961	242	7,340	14,379	0
33	FL State U.	14,893	19,232	19,330	21,459	7,295	9,172	4,978	14
34	U. SC all campuses	16,449	20,297	19,142	20,720	0	7,782	7,542	5,396
35	U. Southern CA	14,440	15,381	19,572	18,687	0	11,306	5,257	2,124
36	U. CA, Santa Cruz	13,048	15,367	16,826	18,414	0	3,759	12,246	2,409
37	U. MD Baltimore County	10,412	15,336	16,160	17,943	0	16,596	0	1,347
38	U. NV, Las Vegas	11,713	14,920 i	16,714	17,432 i	0 i	15,016 i	0 i	2,416 i
39	Stanford U.	8,270	8,809	10,193	17,147	0	12,449	3,199	1,499
40	Princeton U.	13,293	15,508	17,335	17,067	4,004	5,110	0	7,953
41	FL International U.	6,412	3,883	1,392	16,191	0	1,235	0	14,956
42	Harvard U.	13,765	15,095	14,786	15,690	1,502	2,840	114	11,234
43	NC State U.	16,099	16,842	15,439	15,594	0	0	7,922	7,672
44	U. CA, Los Angeles	14,774	14,824	16,351	15,396	5,022	5,665	0	4,709
45	GA Institute of Technology all campuses	16,924	15,590	14,863	15,046	7,110	7,306	297	333
46	U. KS all campuses	10,900	11,261	11,291	14,438	0	14,438	0	0
47	U. Central FL	9,416	9,238	12,584	13,747	13,747	0	0	0
48	U. Southern MS	5,703	10,964	14,433	13,336	0	321	13,015	0

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49	CA Institute of Technology	10,771	13,131	13,651	13,136	0	13,136	0	0
50	U. GA	14,687	13,399	13,264	12,891	0	4,400	8,491	0
51	U. MN all campuses	13,528	12,055	11,819	12,232	0	6,473	628	5,131
52	U. DE	8,252	10,293	11,829	12,226	0	860	11,366	0
53	U. AZ	10,549	10,219	11,113	11,971	3,001	8,970	0	0
54	San Jose State U.	7,968	9,517	10,832	11,858	695	545	10,515	103
55	U. CA, Riverside	3,849	12,273	12,090	11,823	0	4,751	0	7,072
56	Duke U.	8,406	9,425	12,357	11,566	0	2,325	2,241	7,000
57	Naval Postgraduate School	11,461 i	13,084 i	11,324	11,548 i	7,743 i	0 i	3,805 i	0 i
58	OH State U. all campuses	8,746	9,231	9,267	11,398	0	5,268	0	6,130
59	AZ State U. main campus	9,798	10,379	10,985	11,197	0	11,197	0	0
60	U. MD College Park	9,464	10,949	12,339	11,158	4,096	7,062	0	0
61	VA Polytechnic Institute and State U.	15,734	13,525	10,104	10,127	0	5,874	0	4,253
62	NM Institute of Mining and Technology	7,361	9,004	9,465	10,031	0	6,753	0	3,278
63	George Mason U.	7,399	6,479	8,387	9,951	0	9,951	0	0
64	TX Tech U.	11,425	10,489	11,421	9,682	0	590	0	9,092
65	U. CA, Berkeley	6,513	7,069	10,180	9,093	36	9,057	0	0
66	UT State U.	8,522	9,804	9,734	9,007	2,357	6,650	0	0
67	U. MD Biotechnology Institute	8,066	8,558	6,746	8,756	0	0	8,756	0
68	U. CT all campuses	9,127	9,780	8,644	8,412	0	407	8,005	0
69	U. MA Dartmouth	3,466	4,703	7,415	8,345	0	0	8,345	0
70	U. MI all campuses	5,378	5,524	9,729	8,166	0	8,119	47	0
71	U. WY	6,483	6,483 e	8,076	8,076 e	4,011 e	4,065 e	0 e	0 e
72	U. NV, Reno	6,464	6,909	8,477	8,072	122	5,433	0	2,517
73	U. FL	5,873	5,470	6,458	7,879	0	4,166	3,713	0
74	Stevens Institute of Technology	2,567 e	2,567 i	3,398 i	7,875	1,238	2,756	476	3,405
75	U. CA Office of the President	NA	NA	NA	7,639	0	0	0	7,639
76	SUNY Albany	7,226	5,693	5,382	7,391	7,391	0	0	0
77	WV U.	4,530	5,777	6,242	7,219	0	7,219	0	0
78	U. MO-Rolla	1,025	2,072	3,499	7,183	2,476	4,707	0	0
79	U. ND all campuses	1,591	3,323	5,206	7,147	3,103	3,395	0	649
80	MI Technological U.	1,132	1,048	6,815	6,820	0	1,037	0	5,783
81	U. AL Huntsville, The	5,772	7,003	6,879	6,796	6,796	0	0	0
82	Brown U.	5,499	5,683	6,200	6,235	0 i	5,845 i	0 i	390 i
83	U. CA, Irvine	3,982	6,857	5,135	6,045	0	0	0	6,045
84	U. UT	4,989	5,097	4,531	5,844	2,165	3,679	0	0
85	IA State U.	4,370	4,192	4,977	5,768	0	5,768	0	0
86	U. NC Wilmington	4,503	5,922	4,516	5,468	18	93	5,099	258
87	IN U. all campuses	3,927	4,085	6,031	5,458	0	5,458	0	0
88	Cornell U. all campuses	3,790	6,117	6,203	5,222	0	4,444	75	703
89	U. WI Milwaukee	3,699	4,008	4,472	5,207	0	255	4,904	48
90	U. NE all campuses	8,375	7,511	8,147	5,004	1,206	3,798	0	0
91	U. TN all campuses	6,736	5,865	5,182	4,970	0	1,890	0	3,080
92	U. Chicago	4,526	4,559	4,092	4,902	0	4,902	0	0
93	Washington U. St. Louis	4,615	4,971	4,812	4,893	0	4,893	0	0
94	U. ID	4,284	3,944	5,626	4,887	0	3,301	0	1,586
95	MS State U.	6,298	6,752	6,248	4,815	893	2,539	1,157	226
96	U. Memphis, The	3,753	4,340	4,473	4,700	0	4,700	0	0
97	Purdue U. all campuses	4,011	4,128	3,136	4,624	1,418	709	0	2,497

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98	U. PR Mayaguez Campus	4,534	4,763	5,396	4,599	0	1,153	3,446	0
99	U. Toledo	615	2,228	3,215	4,502	110	4,111	0	281
100	U. Houston	1,026	1,192	1,404	4,289	0	4,289	0	0
	All other sampled institutions	181,661	190,357	216,598	222,459	20,473	122,476	27,662	51,848

e = estimated; i = imputed; NA = not available; nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$19 million in total R&D expenditures in the environmental sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2004.