

TABLE 47. Federally financed 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	1,185,978	1,292,052	1,442,489	1,595,993	322,355	534,609	547,654	191,375
1	Woods Hole Oceanographic Institution	60,302	63,761	70,050	83,639	5,686 i	29,296 i	21,246 i	27,411 i
2	U. CA, San Diego	71,006	72,667	71,454	79,643	3,924	15,646	59,783	290
3	U. CO all campuses	47,056	56,117	61,328	79,182	36,689	41,624	227	642
4	U. WA	66,244	61,985	76,736	71,685	14,772	6,294	50,619	0
5	CO State U.	13,143	27,743	31,928	57,302	22,246	35,056	0	0
6	Columbia U. in the City of NY	44,889	49,623	49,381	52,206	4,416	19	44,532	3,239
7	U. HI Manoa	30,569	28,555	33,925	44,615	3,625	8,895	31,085	1,010
8	TX A&M U. all campuses	55,728	56,223	60,162	43,447	2,668	1,819	34,418	4,542
9	U. WI Madison	21,731	23,315	36,300	43,331	35,499	3,328	690	3,814
10	U. AK Fairbanks all campuses	27,109	43,983	44,858	40,062	20,650	6,225	13,177	10
11	U. NH	25,935	28,454	33,370	38,809	8,031	14,341	16,437	0
12	U. Miami	27,240	33,285	36,705	38,590	18,835	82	16,979	2,694
13	Johns Hopkins U., The ^a	34,923	34,678	33,989	36,250	6,909 i	2,132 i	11,056 i	16,153 i
14	OR State U.	30,081	29,777	32,385	32,270	1,910	1,252	18,240	10,868
15	Hampton U.	878	2,819	10,595	24,587	24,197	0	390	0
16	MA Institute of Technology	18,652	18,713	21,920	24,499	7,255	8,123	7,269	1,852
17	U. RI	22,999	22,849	26,524	22,958	0	490	22,316	152
18	PA State U. all campuses	10,656	15,160	23,646	22,123	5,951	12,302	3,870	0
19	U. South FL	11,178	16,759	22,221	21,631	10	2,420	19,201	0
20	Desert Research Institute	16,435	16,553	17,204	18,473	10,852	7,621	0	0
21	U. MD Baltimore County	9,072	14,247	15,871	17,575	0	16,372	0	1,203
22	U. IL Urbana-Champaign	11,765	10,021	13,144	16,595	2,946	13,015	0	634
23	C. of William and Mary all campuses	9,213	9,630	13,398	14,815	0	360	14,453	2
24	U. Southern CA	10,499	11,194	12,160	14,623	0	9,421	3,114	2,088
25	SUNY Stony Brook all campuses	10,408	12,531	12,146	14,102	13	5,239	8,850	0
26	FL State U.	10,675	11,698	11,366	13,833	5,167	5,183	3,483	0
27	U. MD Ctr. for Environmental Science	12,105	13,080	12,654	13,824	0	812	13,012	0
28	Harvard U.	12,415	14,202	12,803	13,775	1,502	2,731	114	9,428
29	U. Southern MS	5,318	10,184	13,882	13,097	0	321	12,776	0
30	Rutgers, The State U. NJ all campuses	8,734	11,484	11,993	12,875	205	1,280	9,750	1,640
31	U. NC Chapel Hill	7,640	8,753	11,974	12,793	0	10,760	2,033	0
32	U. CA, Santa Barbara	13,227	11,565	11,931	12,743	0	2,117	10,103	523
33	U. CA, Los Angeles	8,561	8,520	10,745	12,681	4,596	4,849	0	3,236
34	U. ME	8,796	9,340	11,466	12,438	0	4,746	7,692	0
35	U. TX Austin	10,355	10,406	10,483	12,434	0	9,849	1,446	1,139
36	Stanford U.	5,926	5,881	7,394	12,383	0	10,966	1,417	0
37	U. OK all campuses	13,597	12,890	12,299	12,273	10,949	1,324	0	0
38	FL International U.	3,466	2,612	1,090	12,208	0	931	0	11,277
39	U. NV, Las Vegas	9,180	13,095 i	13,476	11,613 i	0 i	11,613 i	0 i	0 i
40	U. CA, Santa Cruz	6,209	7,613	8,029	11,378	0	2,374	7,918	1,086
41	Naval Postgraduate School	11,061 i	12,575 i	10,284	11,375 i	7,665 i	0 i	3,710 i	0 i
42	CA Institute of Technology	10,319	11,207	10,916	11,340	0	11,340	0	0
43	U. SC all campuses	5,827	7,095	9,481	11,290	0	3,762	5,211	2,317
44	AZ State U. main campus	8,657	9,935	10,389	10,980	0	10,980	0	0
45	U. CA, Davis	12,924	14,139	12,502	10,397	0	1,158	1,314	7,925
46	Princeton U.	7,812	9,857	11,261	9,982	3,475	3,468	0	3,039
47	George Mason U.	7,352	6,429	8,334	9,713	0	9,713	0	0
48	U. MD College Park	7,068	8,112	8,805	9,607	2,759	6,848	0	0

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Rank	Institution	2001	2002	2003	2004				
					All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
49	U. DE	5,955	6,769	9,064	9,200	0	683	8,517	0
50	LA State U. all campuses	10,665	12,047	7,277	8,281	0	1,476	5,888	917
51	U. AZ	6,523	6,211	7,012	7,401	1,795	5,606	0	0
52	OH State U. all campuses	5,287	4,764	5,441	7,192	0	2,822	0	4,370
53	GA Institute of Technology all campuses	7,941	7,589	8,214	7,133	3,407	3,671	0	55
54	San Jose State U.	4,283	4,996	6,610	7,123	571	528	6,024	0
55	Stevens Institute of Technology	811 e	811 i	1,393 i	7,064	1,227	2,534	273	3,030
56	U. MN all campuses	6,566	5,501	5,858	7,028	0	3,667	439	2,922
57	Duke U.	4,719	5,263	6,291	6,757	0	1,692	920	4,145
58	TX Tech U.	5,897	6,857	7,241	6,706	0	220	0	6,486
59	U. Central FL	2,803	3,543	7,374	6,209	6,209	0	0	0
60	U. CT all campuses	5,052	6,181	5,820	5,981	0	362	5,619	0
61	U. ND all campuses	1,573	2,877	4,657	5,948	2,213	3,350	0	385
62	VA Polytechnic Institute and State U.	12,693	10,984	7,234	5,445	0	2,472	0	2,973
63	NC State U.	5,239	5,083	5,921	5,417	0	0	1,494	3,923
64	U. NC Wilmington	4,255	5,752	4,350	5,280	18	72	4,932	258
65	U. NV, Reno	4,122	4,476	5,844	5,257	122	5,075	0	60
66	U. FL	2,897	2,732	3,750	5,121	0	2,313	2,808	0
67	U. AL Huntsville, The	4,650	5,166	5,113	5,117	5,117	0	0	0
68	U. CA, Berkeley	3,515	3,561	5,342	4,907	0	4,907	0	0
69	U. MI all campuses	3,232	3,057	4,768	4,886	0	4,839	47	0
70	U. Chicago	4,148	4,391	3,977	4,748	0	4,748	0	0
71	U. MD Biotechnology Institute	3,008	2,635	1,216	4,650	0	0	4,650	0
72	WV U.	2,629	4,025	4,284	4,349	0	4,349	0	0
73	U. CA, Riverside	1,153	3,401	4,595	4,238	0	2,645	0	1,593
74	U. UT	3,761	3,548	2,963	4,180	2,093	2,087	0	0
75	MI Technological U.	710	873	3,589	4,162	0	835	0	3,327
76	U. KS all campuses	2,383	2,526	2,360	4,109	0	4,109	0	0
77	SUNY Albany	3,362	2,961	3,213	4,024	4,024	0	0	0
78	U. WY	3,984	3,984 e	3,964	3,964 e	2,197 e	1,767 e	0 e	0 e
79	U. GA	5,628	4,789	4,690	3,914	0	967	2,947	0
80	IA State U.	2,640	2,332	3,252	3,857	0	3,857	0	0
81	U. CA, Irvine	2,660	2,979	3,107	3,802	0	0	0	3,802
82	Brown U.	3,756	3,601	3,901	3,730	0 i	3,688 i	0 i	42 i
83	U. MA Dartmouth	1,423	1,351	3,062	3,716	0	0	3,716	0
84	MS State U.	5,185	5,795	5,314	3,706	787	1,878	1,000	41
85	U. VA all campuses	4,382	4,081	2,426	3,473	3,473	0	0	0
86	Boston U.	2,960	2,824	3,303	3,452	0	1,018	0	2,434
87	Jackson State U.	3,123	3,006	3,336	3,420	59	3,361	0	0
88	U. NM all campuses	1,825	1,674	3,412	3,288	957	2,331	0	0
89	Cornell U. all campuses	1,722	2,797	3,211	3,184	0	2,811	32	341
90	Purdue U. all campuses	2,683	2,681	2,088	3,181	961	480	0	1,740
91	U. NE all campuses	3,880	2,863	3,245	3,086	1,194	1,892	0	0
92	U. ID	2,171	2,152	3,272	3,052	0	2,144	0	908
93	Yale U.	1,836	2,236	2,693	2,949	649	2,153	59	88
94	UT State U.	3,048	2,895	2,944	2,891	1,801	1,090	0	0
95	San Francisco State U.	513 i	1 i	468 i	2,849 i	0 i	0 i	0 i	2,849 i
96	U. MD Eastern Shore	873	0	2,500	2,766 i	0 i	0 i	0 i	2,766 i
97	SD School of Mines and Technology	1,904	1,663	2,377	2,603	2,603	0	0	0

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98	U. TX Dallas	1,020 e	2,991	2,860	2,589	2,589	0	0	0
99	Washington U. St. Louis	2,508	2,588	2,795	2,487	0	2,487	0	0
100	Old Dominion U.	2,416	2,703	2,369	2,472	0	0	2,472	0
	All other sampled institutions	99,071	100,172	116,172	125,605	4,887	79,126	17,886	23,706

e = estimated.

i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$19 million in federally financed 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.