TABLE 13. R&D expenditures at historically black colleges and universities, by source of funds and science and engineering field: FY 2000–07

(Dollars in thousands)

Source and field	2000	2001	2002	2003	2004	2005	2006	2007
All R&D expenditures	264,440	317,592	365,963	397,012	422,015	438,861	441,864	420,898
Source of funds								
Federal government	228,615	272,498	312,296	343,271	360,245	376,271	370,661	353,838
State and local government	10,738	11,736	17,916	17,958	21,305	19,485	22,122	17,867
Industry	6,073	6,938	9,679	9,299	15,628	9,670	11,521	9,309
Institutional funds	13,826	19,762	21,458	21,236	19,166	26,266	29,419	28,559
All other sources	5,188	6,658	4,614	5,248	5,671	7,169	8,141	11,325
Field								
Science	235,117	284,210	333,467	365,179	383,715	363,743	395,587	377,588
Computer sciences	14,554	19,968	13,381	12,625	11,280	12,177	9,550	12,309
Environmental sciences	11,218	13,336	11,898	23,741	37,890	16,948	34,983	29,569
Atmospheric sciences	4,031	1,718	3,110	10,495	24,431	580	17,248	15,922
Earth sciences	2,850	5,998	5,405	5,554	4,483	5,945	5,986	5,230
Oceanography	939	1,528	2,049	3,846	1,389	1,228	1,479	1,132
Environmental sciences, nec	3,398	4,092	1,334	3,846	7,587	9,195	10,270	7,285
Life sciences	139,775	167,393	205,012	236,762	244,813	242,052	245,792	242,341
Agricultural sciences	51,993	62,815	79,268	96,463	74,518	79,370	85,265	86,319
Biological sciences	48,761	63,524	74,936	79,705	85,089	87,989	88,287	84,082
Medical sciences	30,595	34,975	45,804	45,705	67,888	62,606	62,196	59,308
Life sciences, nec	8,426	6,079	5,004	14,889	17,318	12,087	10,044	12,632
Mathematical sciences	5,667	6,377	7,604	11,433	6,858	8,863	7,150	5,318
Physical sciences	40,714	44,715	46,995	45,704	43,349	44,229	51,520	45,884
Astronomy	4,304	2,399	2,149	2,793	2,174	1,718	1,845	2,054
Chemistry	14,157	14,510	16,106	17,207	17,659	17,435	19,637	18,680
Physics	22,191	26,759	25,072	23,960	22,211	24,170	28,882	23,452
Physical sciences, nec	62	1,047	3,668	1,744	1,305	906	1,156	1,698
Psychology	1,688	4,839	5,662	4,916	5,102	3,758	2,802	1,158
Social sciences	11,135	13,369	11,679	12,204	13,150	16,278	18,926	19,685
Economics	1,431	2,132	2,074	2,144	1,951	1,481	2,016	1,538
Political sciences	749	573	417	503	316	245	130	1,015
Sociology	4,253	4,128	4,191	3,878	3,640	4,826	7,033	6,404
Social sciences, nec	4,702	6,536	4,997	5,679	7,243	9,726	9,747	10,728
Sciences, nec	10,366	14,213	31,236	17,794	21,273	19,438	24,864	21,324
Engineering	29,323	33,382	32,496	31,833	38,300	75,118	46,277	43,310
Aeronautical/astronautical engineering	3,607	3,623	2,454	3,089	4,353	37,034	1,754	928
Bioengineering/biomedical engineering	882	918	144	110	144	80	81	122
Chemical engineering	2,965	3,292	2,824	2,896	2,883	5,783	6,880	6,270
Civil engineering	3,228	3,956	4,993	4,413	3,739	5,335	6,879	6,445
Electrical engineering	6,067	7,625	9,192	8,272	8,419	8,785	8,482	9,117
Mechanical engineering	6,705	7,264	6,843	6,010	8,738	6,529	5,855	6,291
Metallurgical/materials engineering	167	0	25	0	0	79	242	116
Engineering, nec	5,702	6,704	6,021	7,043	10,024	11,493	16,104	14,021

nec = not elsewhere classified.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2007.