TABLE 14. Federally financed R&D expenditures at historically black colleges and universities, by science and engineering field: FY 2000–07

(Dollars in thousands)

| Field | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---|---|---|---|---|---|---|---|---|
| All federal R&D expenditures | 228,615 | 272,498 | 312,296 | 343,271 | 360,245 | 376,271 | 370,661 | 353,838 |
| Science | 203,203 | 244,011 | 284,260 | 317,276 | 327,800 | 306,537 | 330,616 | 314,739 |
| Computer sciences | 12,795 | 18,590 | 12,145 | 12,078 | 10,825 | 11,026 | 8,010 | 11,344 |
| Environmental sciences | 9,310 | 10,826 | 9,532 | 21,130 | 36,823 | 15,412 | 32,991 | 27,258 |
| Atmospheric sciences | 3,991 | 1,541 | 2,872 | 10,357 | 24,335 | 395 | 17,052 | 15,825 |
| Earth sciences | 1,798 | 3,909 | 3,844 | 3,753 | 4,067 | 5,103 | 4,955 | 3,878 |
| Oceanography | 823 | 1,381 | 1,875 | 3,611 | 1,389 | 1,226 | 1,477 | 1,086 |
| Environmental sciences, nec | 2,698 | 3,995 | 941 | 3,409 | 7,032 | 8,688 | 9,507 | 6,469 |
| Life sciences | 122,299 | 145,378 | 179,741 | 207,991 | 205,825 | 202,689 | 202,822 | 201,252 |
| Agricultural sciences | 43,682 | 48,884 | 64,176 | 80,533 | 55,076 | 55,499 | 58,325 | 61,699 |
| Biological sciences | 45,332 | 59,798 | 72,532 | 75,554 | 80,962 | 83,129 | 82,411 | 78,279 |
| Medical sciences | 26,841 | 31,590 | 39,655 | 42,315 | 55,505 | 54,277 | 52,459 | 51,189 |
| Life sciences, nec | 6,444 | 5,106 | 3,378 | 9,589 | 14,282 | 9,784 | 9,627 | 10,085 |
| Mathematical sciences | 4,364 | 4,220 | 4,991 | 7,572 | 6,494 | 8,115 | 6,545 | 4,760 |
| Physical sciences | 36,454 | 40,416 | 41,538 | 40,640 | 38,744 | 38,506 | 45,654 | 39,006 |
| Astronomy | 3,873 | 1,938 | 1,683 | 2,145 | 1,683 | 1,145 | 1,230 | 1,539 |
| Chemistry | 12,990 | 13,522 | 14,262 | 16,036 | 16,803 | 16,388 | 17,989 | 15,897 |
| Physics | 19,585 | 24,047 | 22,098 | 21,132 | 19,096 | 20,175 | 25,297 | 20,174 |
| Physical sciences, nec | 6 | 909 | 3,495 | 1,327 | 1,162 | 798 | 1,138 | 1,396 |
| Psychology | 1,324 | 4,526 | 5,376 | 4,700 | 4,946 | 3,570 | 2,537 | 981 |
| Social sciences | 8,239 | 10,156 | 8,935 | 8,850 | 10,966 | 14,240 | 16,911 | 17,927 |
| Economics | 1,118 | 1,926 | 1,693 | 1,832 | 1,646 | 1,365 | 1,951 | 1,492 |
| Political sciences | 540 | 463 | 261 | 414 | 249 | 245 | 127 | 873 |
| Sociology | 3,374 | 3,521 | 3,406 | 3,070 | 3,081 | 4,169 | 6,759 | 6,063 |
| Social sciences, nec | 3,207 | 4,246 | 3,575 | 3,534 | 5,990 | 8,461 | 8,074 | 9,499 |
| Sciences, nec | 8,418 | 9,899 | 22,002 | 14,315 | 13,177 | 12,979 | 15,146 | 12,211 |
| Engineering | 25,412 | 28,487 | 28,036 | 25,995 | 32,445 | 69,734 | 40,045 | 39,099 |
| Aeronautical/astronautical engineering | 3,530 | 3,549 | 2,233 | 2,834 | 3,649 | 36,844 | 1,726 | 830 |
| Bioengineering/biomedical engineering | 567 | 469 | 136 | 110 | 144 | 80 | 71 | 109 |
| Chemical engineering | 2,752 | 3,090 | 2,452 | 2,505 | 2,547 | 5,410 | 6,322 | 5,543 |
| Civil engineering | 2,246 | 2,679 | 4,037 | 3,613 | 2,681 | 4,170 | 5,221 | 5,600 |
| Electrical engineering | 5,290 | 6,817 | 8,152 | 6,877 | 7,278 | 7,767 | 7,470 | 8,035 |
| Mechanical engineering | 6,189 | 6,679 | 5,808 | 4,650 | 7,329 | 5,329 | 4,650 | 5,803 |
| Metallurgical/materials engineering | 162 | 0 | 25 | 0 | 0 | 79 | 212 | 116 |
| Engineering, nec | 4,676 | 5,204 | 5,193 | 5,406 | 8,817 | 10,055 | 14,373 | 13,063 |

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.