TABLE 41. Federal obligations for applied research, by detailed field of science and engineering: FY 2008–10
(Dollars in thousands)

Field	2008	Preliminary 2009	Preliminary 2010
All fields	26,739,712	28,494,454	28,507,238
Environmental sciences	1,391,539	1,517,800	1,494,655
Atmospheric sciences	361,257	NA	NA
Geological sciences	214,525	NA	NA
Oceanography	355,110	NA	NA
Environmental sciences, nec	460,647	NA	NA
Life sciences	13,361,457	13,998,052	14,182,105
Agricultural sciences	525,570	NA	NA
Biological sciences (excluding environmental biology)	6,184,412	NA	NA
Environmental biology	489,867	NA	NA
Medical sciences	5,073,048	NA	NA
Life sciences, nec	1,088,560	NA	NA
Mathematics and computer sciences	1,639,833	1,830,669	1,722,694
Computer sciences	1,319,223	NA	NA
Mathematics	137,828	NA	NA
Mathematics and computer sciences, nec	182,782	NA	NA
Physical sciences	1,669,459	1,786,505	1,763,862
Astronomy	45,351	NA	NA
Chemistry	422,566	NA	NA
Physics	982,379	NA	NA
Physical sciences, nec	219,163	NA	NA
Psychology	804,833	861,935	887,018
Biological aspects	21,235	NA	NA
Social aspects	12,208	NA	NA
Psychological sciences, nec	771,390	NA	NA
Social sciences	646,963	818,651	891,916
Anthropology	2,229	NA	NA
Economics	168,578	NA	NA
Political science	12,723	NA	NA
Sociology	81,203	NA	NA
Social sciences, nec	382,230	NA	NA
Other sciences, nec	986,150	1,008,780	1,002,976
Engineering	6,239,478	6,672,040	6,561,988
Aeronautical engineering	660,784	NA	NA
Astronautical engineering	256,075	NA	NA
Chemical engineering	233,981	NA	NA
Civil engineering	361,802	NA	NA
Electrical engineering	825,058	NA	NA
Mechanical engineering	226,562	NA	NA
Metallurgy and materials engineering	630,666	NA	NA
Engineering, nec	3,044,550	NA	NA

NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

nec = not elsewhere classified.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2008–10.