TABLE 41. Federal obligations for applied research, by detailed field of science and engineering: FY 2009–11
(Dollars in thousands)

Field	2009	Preliminary 2010	Preliminary 2011
All fields	30,830,948	33,198,420	30,288,947
Environmental sciences	1,608,509	1,579,080	1,583,999
Atmospheric sciences	367,771	NA	NA
Geological sciences	324,464	NA	NA
Oceanography	285,021	NA	NA
Environmental sciences, nec	631,253	NA	NA
Life sciences	15,680,154	16,567,303	14,931,115
Agricultural sciences	588,967	NA	NA
Biological sciences (excluding environmental biology)	7,776,717	NA	NA
Environmental biology	497,048	NA	NA
Medical sciences	5,645,095	NA	NA
Life sciences, nec	1,172,326	NA	NA
Mathematics and computer sciences	1,750,779	1,866,780	1,739,535
Computer sciences	1,444,315	NA	NA
Mathematics	123,679	NA	NA
Mathematics and computer sciences, nec	182,785	NA	NA
Physical sciences	1,701,535	1,793,640	1,738,495
Astronomy	53,878	NA	NA
Chemistry	438,683	NA	NA
Physics	986,939	NA	NA
Physical sciences, nec	222,034	NA	NA
Psychology	985,931	1,073,577	969,790
Biological aspects	232	NA	NA
Social aspects	32,294	NA	NA
Psychological sciences, nec	953,405	NA	NA
Social sciences	733,204	922,658	892,302
Anthropology	1,639	NA	NA
Economics	186,832	NA	NA
Political science	11,555	NA	NA
Sociology	105,511	NA	NA
Social sciences, nec	427,668	NA	NA
Other sciences, nec	1,485,139	2,073,199	2,010,078
Engineering	6,885,697	7,322,183	6,423,634
Aeronautical engineering	725,009	NA	NA
Astronautical engineering	335,776	NA	NA
Chemical engineering	279,483	NA	NA
Civil engineering	493,406	NA	NA
Electrical engineering	957,463	NA	NA
Mechanical engineering	230,165	NA	NA
Metallurgy and materials engineering	610,579	NA	NA
Engineering, nec	3,253,817	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 2009–11.