

TABLE 8. Federal obligations, including ARRA obligations, for science and engineering to universities and colleges, by agency and type of activity: FY 2010

(Dollars in thousands)

Agency	All federal obligations	Research and development <sup>a</sup>					Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
		Total	Research	Advanced technology development	Major systems development	R&D plant				
All agencies	35,328,069.7	30,633,043.0	na	na	na	1,661,906.9	5,737.1	1,134,924.2	354,656.7	1,537,801.9
Department of Agriculture	1,388,819.9	761,619.5	na	na	na	27.6	648.4	61,856.6	0.0	564,667.9
Department of Commerce	533,875.2	259,463.7	na	na	na	35,574.1	0.0	18,292.7	0.0	220,544.7
Department of Defense	3,552,545.8	3,450,720.8	2,071,529.0	458,570.8	920,621.0	0.0	0.0	0.0	0.0	101,825.0
Department of the Air Force	568,848.7	541,889.7	477,511.0	41,049.7	23,329.0	0.0	0.0	0.0	0.0	26,959.0
Department of the Army	1,065,490.4	1,039,815.4	672,733.0	136,222.4	230,860.0	0.0	0.0	0.0	0.0	25,675.0
Department of the Navy	1,539,049.7	1,493,509.7	672,470.0	179,108.7	641,931.0	0.0	0.0	0.0	0.0	45,540.0
Other Department of Defense	379,157.0	375,506.0	248,815.0	102,190.0	24,501.0	0.0	0.0	0.0	0.0	3,651.0
Department of Education	317,839.9	257,393.7	na	na	na	0.0	0.0	40,075.3	0.0	20,371.0
Department of Energy	1,733,786.4	1,724,516.4	na	na	na	4,995.0	0.0	4,275.0	0.0	0.0
Department of Health and Human Services <sup>b</sup>	21,298,483.2	19,141,070.9	na	na	na	889,878.9	2,079.0	950,879.3	304,804.9	9,770.2
Administration for Children and Families	6,055.5	6,055.5	na	na	na	0.0	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	330,201.5	330,201.5	na	na	na	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	1,442.7	1,442.7	na	na	na	0.0	0.0	0.0	0.0	0.0
Ctrs. for Medicare and Medicaid Services	1,125.0	1,125.0	na	na	na	0.0	0.0	0.0	0.0	0.0
Food and Drug Administration	9,029.6	9,029.6	na	na	na	0.0	0.0	0.0	0.0	0.0
Health Resources and Services Administration	341,821.6	22,905.8	na	na	na	57,340.4	2,079.0	251,618.1	0.0	7,878.4
Indian Health Service	1,825.6	0.0	na	na	na	0.0	0.0	1,825.6	0.0	0.0
National Institutes of Health	20,572,259.0	18,735,588.1	na	na	na	832,538.5	0.0	697,435.6	304,804.9	1,891.9
Office of the Assistant Secretary, Planning and Evaluation	34,722.8	34,722.8	na	na	na	0.0	0.0	0.0	0.0	0.0
Department of Homeland Security	87,956.0	87,946.4	na	na	na	0.0	0.0	9.6	0.0	0.0
Directorate for Science and Technology	87,921.2	87,921.2	na	na	na	0.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	34.8	25.2	na	na	na	0.0	0.0	9.6	0.0	0.0
Department of Housing and Urban Development	400.0	400.0	na	na	na	0.0	0.0	0.0	0.0	0.0
Department of the Interior	116,079.9	116,079.9	na	na	na	0.0	0.0	0.0	0.0	0.0
Department of Transportation	187,688.3	159,594.4	na	na	na	1,068.2	3,009.7	7,471.0	13,835.8	2,709.3
Other agencies										
Agency for International Development	15,189.0	15,189.0	na	na	na	0.0	0.0	0.0	0.0	0.0
Appalachian Regional Commission	48.2	48.2	na	na	na	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	72,486.3	71,577.8	na	na	na	0.0	0.0	908.5	0.0	0.0
National Aeronautics and Space Administration	629,298.6	624,445.2	na	na	na	4,853.4	0.0	0.0	0.0	0.0
National Science Foundation	5,365,969.7	3,938,522.2	na	na	na	725,509.7	0.0	50,714.2	33,309.9	617,913.7

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		Total	Research	Advanced technology development	Major systems development						
Nuclear Regulatory Commission	5,976.5	5,976.5	na	na	na	0.0	0.0	0.0	0.0	0.0	
Office of Justice Programs	7,468.9	7,468.9	na	na	na	0.0	0.0	0.0	0.0	0.0	
Social Security Administration	14,157.8	11,009.7	na	na	na	0.0	0.0	442.0	2,706.1	0.0	

na = not applicable; data were not collected at this level of detail.

ARRA = American Recovery and Reinvestment Act of 2009; S&E = science and engineering.

<sup>a</sup> Beginning with FY 1990, the Department of Defense (DOD) reports research separately from development. DOD states that more than 90% of its development obligations reported for universities and colleges are performed at university-administered laboratories that are separate from academic departments. Furthermore, DOD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DOD total development obligations are therefore not comparable with development obligations at other federal agencies. Refer to table 20 for DOD obligations to individual institutions, by R&D breakdown.

<sup>b</sup> Within the Department of Health and Human Services, Centers for Disease Control and Prevention data were excluded for FY 2010 due to their poor quality.

NOTES: Because of rounding, detail may not add to totals. Only those agencies that had obligations in variables represented by this table appear in the table.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, FY 2010.