

TABLE 8. Federal obligations, including ARRA obligations, for science and engineering to universities and colleges, by agency and type of activity: FY 2009

(Dollars in thousands)

Agency	All federal obligations	Research and development ^a				R&D plant	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					
All agencies	36,166,184	32,420,665	na	na	na	790,695	4,558	895,170	242,739	1,812,356
Department of Agriculture	1,301,874	718,835	na	na	na	0	824	37,565	0	544,649
Department of Commerce	422,321	174,808	na	na	na	51,191	0	6,811	0	189,511
Department of Defense	3,179,137	2,956,431	1,964,768	387,096	604,567	0	154	6,587	67,281	148,684
Department of the Air Force	569,429	528,363	470,299	21,180	36,884	0	0	0	0	41,066
Department of the Army	1,042,894	913,785	646,243	147,372	120,170	0	0	6,029	66,534	56,546
Department of the Navy	1,282,688	1,233,006	667,678	146,143	419,185	0	0	0	368	49,314
Other Department of Defense	284,127	281,278	180,548	72,402	28,328	0	154	558	379	1,758
Department of Education	279,124	89,801	na	na	na	0	0	61,551	0	127,772
Department of Energy	1,675,724	1,661,799	na	na	na	13,525	0	400	0	0
Department of Health and Human Services	21,260,636	20,298,889	na	na	na	96,512	0	717,959	144,159	3,118
Administration for Children and Families	12,066	12,066	na	na	na	0	0	0	0	0
Agency for Healthcare Research and Quality	101,768	100,918	na	na	na	0	0	851	0	0
Agency for Toxic Substances and Disease Registry	3,164	3,164	na	na	na	0	0	0	0	0
Ctrs. for Disease Control and Prevention	657,067	657,067	na	na	na	0	0	0	0	0
Ctrs. for Medicare & Medicaid Services	1,313	1,313	na	na	na	0	0	0	0	0
Food and Drug Administration	10,280	10,280	na	na	na	0	0	0	0	0
Health Resources and Services Administration	82,786	18,043	na	na	na	59,083	0	5,661	0	0
Indian Health Service	2,121	796	na	na	na	0	0	1,325	0	0
National Institutes of Health	20,386,936	19,492,107	na	na	na	37,429	0	710,123	144,159	3,118
Office of the Assistant Secretary, Planning and Evaluation	3,135	3,135	na	na	na	0	0	0	0	0
Department of Homeland Security	89,056	88,764	na	na	na	273	0	0	19	0
Directorate for Science and Technology	89,037	88,764	na	na	na	273	0	0	0	0
U.S. Coast Guard	19	0	na	na	na	0	0	0	19	0
Department of Housing and Urban Development	200	200	na	na	na	0	0	0	0	0
Department of the Interior	104,540	104,337	na	na	na	0	0	0	53	150
Department of Labor	10	10	na	na	na	0	0	0	0	0
Department of Transportation	187,299	173,902	na	na	na	1,330	3,579	7,178	0	1,310

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		Total	Research	Advanced technology development	Major systems development					
Other agencies										
Agency for International Development	28,270	28,270	na	na	na	0	0	0	0	0
Appalachian Regional Commission	337	337	na	na	na	0	0	0	0	0
Environmental Protection Agency	66,639	61,502	na	na	na	0	0	5,137	0	0
National Aeronautics and Space Administration	731,771	731,771	na	na	na	0	0	0	0	0
National Science Foundation	6,829,547	5,322,946	na	na	na	627,865	0	51,332	30,242	797,162
Nuclear Regulatory Commission	1,333	1,333	na	na	na	0	0	0	0	0
Social Security Administration	8,364	6,730	na	na	na	0	0	650	985	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.

^a Beginning with FY 1990, 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 research and development breakdown.

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 2009.