

TABLE 60. Federal obligations for science and engineering to universities and colleges, by agency and type of activity: FY 2011

(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	31,427,148.4	27,938,927.6	na	na	na	322,678.8	3,833.9	1,013,425.3	207,734.5	1,940,548.2	
Department of Agriculture	1,450,025.5	774,422.1	na	na	na	0.0	171.7	101,644.8	3.0	573,783.9	
Department of Commerce	300,439.9	192,490.1	na	na	na	35,348.5	0.0	15,639.3	0.0	56,962.0	
Department of Defense	3,922,739.0	3,100,956.0	2,016,921.2	343,090.9	740,943.8	0.0	271.1	2,651.9	64,304.6	754,555.5	
Department of the Air Force	692,524.1	584,949.0	525,377.3	30,962.9	28,608.7	0.0	0.0	0.0	9,287.7	98,287.4	
Department of the Army	1,145,844.1	743,774.5	602,101.8	101,071.0	40,601.7	0.0	0.0	1,513.2	54,425.9	346,130.5	
Department of the Navy	1,741,318.7	1,433,572.6	661,576.6	121,344.3	650,651.6	0.0	0.0	0.0	30.6	307,715.5	
Other Department of Defense	343,052.1	338,659.9	227,865.4	89,712.7	21,081.7	0.0	271.1	1,138.7	560.4	2,422.1	
Department of Education	227,923.7	178,033.1	na	na	na	0.0	0.0	34,442.1	0.0	15,448.4	
Department of Energy	1,159,909.5	1,155,078.8	na	na	na	600.0	0.0	4,230.7	0.0	0.0	
Department of Health and Human Services	18,129,614.6	17,244,879.2	na	na	na	18,078.6	0.0	776,759.8	86,471.7	3,425.4	
Administration for Children and Families	8,974.8	8,974.8	na	na	na	0.0	0.0	0.0	0.0	0.0	
Agency for Healthcare Research and Quality	98,647.3	98,647.3	na	na	na	0.0	0.0	0.0	0.0	0.0	
Agency for Toxic Substances and Disease Registry	500.0	500.0	na	na	na	0.0	0.0	0.0	0.0	0.0	
Ctrs. for Disease Control and Prevention	308,257.0	306,642.2	na	na	na	0.0	0.0	1,554.7	0.0	60.0	
Ctrs. for Medicare and Medicaid Services	808.0	808.0	na	na	na	0.0	0.0	0.0	0.0	0.0	
Food and Drug Administration	5,413.5	5,413.5	na	na	na	0.0	0.0	0.0	0.0	0.0	
Health Resources and Services Administration	118,987.0	19,432.7	na	na	na	8,247.5	0.0	89,414.0	0.0	1,892.9	
Indian Health Service	1,825.5	0.0	na	na	na	0.0	0.0	1,825.5	0.0	0.0	
National Institutes of Health	17,582,108.3	16,800,367.5	na	na	na	9,831.1	0.0	683,965.5	86,471.7	1,472.5	
Office of the Assistant Secretary, Planning and Evaluation	4,093.2	4,093.2	na	na	na	0.0	0.0	0.0	0.0	0.0	
Department of Homeland Security	81,912.2	81,912.2	na	na	na	0.0	0.0	0.0	0.0	0.0	
Directorate for Science and Technology	81,602.2	81,602.2	na	na	na	0.0	0.0	0.0	0.0	0.0	
U.S. Coast Guard	310.0	310.0	na	na	na	0.0	0.0	0.0	0.0	0.0	
Department of Housing and Urban Development	1,598.5	1,598.5	na	na	na	0.0	0.0	0.0	0.0	0.0	
Department of the Interior	113,515.7	113,515.7	na	na	na	0.0	0.0	0.0	0.0	0.0	
Department of Transportation	230,428.8	174,772.1	na	na	na	873.3	3,391.1	21,939.1	23,858.3	5,595.0	
Other agencies											
Agency for International Development	22,427.0	22,427.0	na	na	na	0.0	0.0	0.0	0.0	0.0	
Environmental Protection Agency	64,257.4	59,294.7	na	na	na	0.0	0.0	4,962.7	0.0	0.0	
National Aeronautics and Space Administration	592,608.1	592,491.2	na	na	na	116.9	0.0	0.0	0.0	0.0	
National Science Foundation	5,113,003.6	4,232,418.7	na	na	na	267,661.6	0.0	50,441.9	31,703.4	530,778.0	

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		Total	Research	Advanced technology development	Major systems development	R&D plant				
Nuclear Regulatory Commission	4,018.0	4,018.0	na	na	na	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	8,041.1	8,041.1	na	na	na	0.0	0.0	0.0	0.0	0.0
Social Security Administration	4,685.9	2,579.3	na	na	na	0.0	0.0	713.0	1,393.6	0.0

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

S&E = science and engineering.

^a 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 66 for DOD obligations to individual institutions, by R&D breakdown.

NOTE: Because of rounding, detail may not add to totals.

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 2011.