

TABLE 11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2009

(Dollars in thousands)

Agency	Research and development							R&D plant						
	Industry FFRDC			University FFRDC		Nonprofit FFRDC		Industry FFRDC			University FFRDC		Nonprofit FFRDC	
	Total	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	Total	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA
All agencies	10,005,141	70,835	3,983,631	246,067	3,116,485	307,937	2,280,186	1,702,473	4,723	123,000	356,974	349,561	458,155	410,061
Departments														
Department of Commerce	3,163	0	0	0	2,198	0	965	0	0	0	0	0	0	0
National Institute of Standards and Technology	970	0	0	0	5	0	965	0	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	2,193	0	0	0	2,193	0	0	0	0	0	0	0	0	0
Department of Defense	1,344,032	1,883	319,833	461	318,831	635	702,389	0	0	0	0	0	0	0
Defense agencies and activities	514,213	1,883	235,753	461	127,443	635	148,039	0	0	0	0	0	0	0
Chemical and Biological Defense	32,126	0	18,798	0	7,149	0	6,179	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency	88,245	0	26,966	0	39,974	0	21,305	0	0	0	0	0	0	0
Defense Information Systems Agency	8,293	0	0	0	0	0	8,293	0	0	0	0	0	0	0
Defense Threat Reduction Agency	54,101	0	44,847	0	2,969	0	6,286	0	0	0	0	0	0	0
Joint Staff	5,704	0	0	0	0	0	5,704	0	0	0	0	0	0	0
Missile Defense Agency	187,917	0	112,703	0	39,134	0	36,080	0	0	0	0	0	0	0
Office of the Secretary of Defense	135,782	1,883	32,265	461	38,216	635	62,322	0	0	0	0	0	0	0
Special Operations Command	2,045	0	175	0	0	0	1,870	0	0	0	0	0	0	0
Department of the Air Force	474,306	0	32,808	0	96,949	0	344,550	0	0	0	0	0	0	0
Department of the Army	105,222	0	25,225	0	28,928	0	51,068	0	0	0	0	0	0	0
Department of the Navy	211,229	0	26,047	0	65,512	0	119,670	0	0	0	0	0	0	0
Operational Test and Evaluation, Director	39,062	0	0	0	0	0	39,062	0	0	0	0	0	0	0
Department of Energy	6,295,032	67,778	2,771,652	217,782	1,573,196	301,449	1,363,174	1,575,611	4,723	122,720	346,874	267,387	458,155	375,751
Civilian Radioactive Waste Management	104	0	104	0	0	0	0	0	0	0	0	0	0	0
Electricity Delivery and Energy Reliability	56,183	0	14,665	0	5,203	0	36,315	0	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	757,168	47,015	52,644	75,535	70,804	268,276	242,894	207,080	0	0	0	0	131,080	76,000
Environmental Management	20,586	0	13,307	0	675	0	6,604	0	0	0	0	0	0	0
Fossil Energy	76,416	7,373	28,277	1,154	17,444	1,500	20,668	0	0	0	0	0	0	0
National Nuclear Security Administration	2,443,938	0	2,367,885	0	10,552	0	65,501	109,535	0	109,535	0	0	0	0
Defense Programs	2,086,667	0	2,086,667	0	0	0	0	109,535	0	109,535	0	0	0	0
Naval Reactors	63,456	0	62,577	0	790	0	89	0	0	0	0	0	0	0
Nonproliferation and Verification	293,815	0	218,641	0	9,762	0	65,412	0	0	0	0	0	0	0
Nuclear Energy	113,304	0	85,046	0	12,922	0	15,336	0	0	0	0	0	0	0
Office of Science	2,827,333	13,390	209,724	141,094	1,455,596	31,673	975,856	1,258,996	4,723	13,185	346,874	267,387	327,075	299,751

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	Total	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA	Total	ARRA	Non-ARRA	ARRA	Non-ARRA	ARRA	Non-ARRA
Department of Health and Human Services	916,708	1,174	794,587	7,911	53,087	5,189	54,761	0	0	0	0	0	0	0
Ctrs. for Disease Control and Prevention	10,223	0	0	0	5,873	0	4,350	0	0	0	0	0	0	0
National Institutes of Health	906,485	1,174	794,587	7,911	47,214	5,189	50,411	0	0	0	0	0	0	0
Department of Homeland Security	162,162	0	77,617	0	13,351	0	71,193	34,589	0	280	0	0	0	34,309
Science and Technology Directorate	162,162	0	77,617	0	13,351	0	71,193	34,589	0	280	0	0	0	34,309
Department of Transportation	54,095	0	1,630	0	6,635	0	45,830	0	0	0	0	0	0	0
Federal Aviation Administration	39,756	0	1,630	0	6,635	0	31,491	0	0	0	0	0	0	0
Federal Highway Administration	14,340	0	0	0	0	0	14,340	0	0	0	0	0	0	0
Department of the Treasury	200	0	0	0	0	0	200	0	0	0	0	0	0	0
Internal Revenue Service	200	0	0	0	0	0	200	0	0	0	0	0	0	0
Other agencies														
National Aeronautics and Space Administration	1,041,726	0	866	14,393	1,009,315	0	17,152	0	0	0	0	0	0	0
National Science Foundation	143,207	0	0	5,520	132,988	665	4,034	92,274	0	0	10,100	82,174	0	0
Nuclear Regulatory Commission	44,817	0	17,445	0	6,883	0	20,488	0	0	0	0	0	0	0

ARRA = American Recovery and Reinvestment Act of 2009; FFRDC = federally funded research and development center.

NOTES: Only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2009–11.