

TABLE 31

Federal obligations for applied research, by agency and performer: FY 2023

(Dollars in thousands)

Agency	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	54,272,792	12,484,577	4,717,143	12,985,337	18,002,174	5,306,408	466,919	310,234
Departments								
Department of Agriculture	1,626,818	836,947	0	27,442	717,071	31,060	9,304	4,993
Agricultural Marketing Service	6,638	3,133	0	0	399	0	3,075	32
Agricultural Research Service	697,695	586,815	0	0	97,219	9,907	43	3,711
Economic Research Service	92,612	86,347	0	25	2,798	3,442	0	0
Forest Service	165,989	139,178	0	317	19,761	1,866	4,422	446
National Agricultural Statistics Service	6,255	5,785	0	0	152	319	0	0
National Institute of Food and Agriculture	647,290	5,377	0	27,101	596,727	15,526	1,754	804
Natural Resources Conservation Service	10,338	10,312	0	0	15	0	10	0
Department of Commerce	1,577,140	1,082,319	8,040	51,896	421,397	11,220	2,146	122
Census Bureau	151,257	151,257	0	0	0	0	0	0
National Institute of Standards and Technology	506,470	431,032	0	27,786	45,837	1,699	0	116
National Oceanic and Atmospheric Administration	908,572	489,189	8,040	24,110	375,560	9,521	2,146	6
National Telecommunications and Information Administration	10,842	10,842	0	0	0	0	0	0
Department of Defense	7,754,842	2,287,028	508,152	3,243,160	1,210,695	473,558	2,171	30,079
Defense Advanced Research Projects Agency	1,443,608	81,681	49,183	880,798	324,645	92,301	1,250	13,750
Defense Health Agency	261,212	68,427	4,019	87,058	39,351	57,871	0	4,486
Department of the Air Force	2,226,244	1,130,656	45,701	757,995	110,258	181,463	171	0
Department of the Army	1,563,200	233,894	18,691	959,525	280,881	68,957	0	1,252
Department of the Navy	1,227,708	479,185	15,119	252,800	410,400	58,863	750	10,590
Other defense agencies	1,032,870	293,185	375,438	304,984	45,160	14,103	0	0
Department of Education	251,072	0	0	19,802	112,567	79,215	39,488	0
Department of Energy	6,103,837	939,045	3,536,837	960,064	503,856	117,241	45,052	1,741
Advanced Research Projects Agency—Energy	235,264	3,973	24,229	117,034	82,586	7,442	0	0
Electricity Delivery and Energy Reliability	54,704	323	48,677	722	4,179	634	170	0
Energy Efficiency and Renewable Energy	1,232,081	8,240	695,533	289,069	201,163	23,269	14,808	0
Environmental Management	12,249	7	11,009	1,233	0	0	0	0
Fossil Energy	1,012,156	646,562	93,379	0	162,936	80,664	28,202	414
National Nuclear Security Administration	2,664,021	241,070	2,113,376	296,811	12,765	0	0	0
Defense Programs	2,358,963	239,511	1,959,376	147,861	12,215	0	0	0
Naval Nuclear Propulsion Program	141,400	0	320	141,080	0	0	0	0
Office of Defense Nuclear Nonproliferation	163,659	1,559	153,680	7,870	550	0	0	0
Nuclear Energy	636,181	36,917	478,818	75,148	38,637	3,461	1,873	1,327

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Office of Cybersecurity, Energy Security, and Emergency Response	78,911	1,601	71,817	2,313	1,590	1,590	0	0
Office of Science	178,269	354	0	177,733	0	182	0	0
Department of Health and Human Services	29,743,665	4,842,204	448,625	6,952,734	13,391,367	3,758,380	146,823	203,532
Administration for Children and Families	6,766	35	0	0	1,820	4,911	0	0
Administration for Community Living	112,533	0	0	6,228	79,749	26,124	432	0
Advanced Research Projects Agency for Health	794,246	0	0	332,088	413,892	48,267	0	0
Agency for Healthcare Research and Quality	337,445	46,928	0	144,403	115,908	30,111	95	0
Agency for Toxic Substances and Disease Registry	18,556	0	0	0	10,832	4,981	2,250	494
Biomedical Advanced Research and Development Authority	5,913,137	186,795	0	5,198,330	117,358	367,329	0	43,325
Centers for Disease Control and Prevention	356,855	40,069	0	37,486	186,115	49,082	22,415	21,687
Food and Drug Administration	710,003	436,712	0	9,766	87,510	99,900	69,522	6,594
Health Resources and Services Administration	46,691	1,414	0	716	42,205	1,607	750	0
National Institutes of Health	21,413,235	4,127,750	448,625	1,199,127	12,335,899	3,119,043	51,359	131,433
Office of the Secretary of Health and Human Services	34,196	2,500	0	24,589	80	7,027	0	0
Office of the Assistant Secretary for Planning and Evaluation	34,196	2,500	0	24,589	80	7,027	0	0
Department of Homeland Security	179,781	93,565	6,598	64,428	13,283	350	739	818
Coast Guard	5,233	0	0	5,233	0	0	0	0
Countering Weapons of Mass Destruction Office	26,280	0	3,358	22,922	0	0	0	0
Cybersecurity and Infrastructure Security Agency	3,071	1,368	1,280	0	423	0	0	0
Science and Technology Directorate	145,198	92,197	1,960	36,273	12,860	350	739	818
Department of the Interior	430,468	336,602	222	7,942	72,527	4,821	8,336	17
Bureau of Indian Affairs	5,000	0	0	0	0	0	5,000	0
Bureau of Land Management	11,472	6,115	0	203	3,169	1,925	60	0
Bureau of Reclamation	27,922	14,062	222	3,885	6,559	1,086	2,108	0
Bureau of Safety and Environmental Enforcement	6,345	935	0	2,491	2,903	0	0	17
Fish and Wildlife Service	41,000	41,000	0	0	0	0	0	0
Geological Survey	333,709	272,483	0	1,364	57,888	806	1,168	0
National Park Service	5,020	2,008	0	0	2,008	1,004	0	0
Department of Justice	84,733	1,690	0	18,766	32,524	28,183	3,570	0
Bureau of Prisons	2	1	0	0	0	0	*	0
Federal Bureau of Investigation	6,315	0	0	4,938	1,377	0	0	0
Office of Justice Programs	78,416	1,689	0	13,827	31,147	28,183	3,570	0
Department of Labor	1,898	880	0	1,018	0	0	0	0
Employee Benefits Security Administration	1,898	880	0	1,018	0	0	0	0

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Department of State	32,998	32,998	0	0	0	0	0	0
Department of Transportation	867,787	178,188	12,755	296,851	154,586	45,927	177,953	1,528
Federal Aviation Administration	231,338	26,593	7,185	123,997	48,979	4,562	18,496	1,528
Federal Highway Administration	392,264	63,828	830	80,924	67,650	21,769	157,263	0
Federal Motor Carrier Safety Administration	9,241	5,937	37	3,267	0	0	0	0
Federal Railroad Administration	45,847	7,789	596	27,777	5,822	3,330	534	0
Federal Transit Administration	6,034	1,053	0	0	1,661	1,661	1,661	0
National Highway Traffic Safety Administration	93,330	1,967	2,471	52,238	24,489	12,164	0	0
Office of the Secretary of Transportation	57,279	52,431	0	4,848	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	32,453	18,591	1,635	3,802	5,985	2,441	0	0
Department of Veterans Affairs	1,037,658	1,037,658	0	0	0	0	0	0
Other agencies								
Agency for Global Media	9,076	800	0	7,402	0	0	0	874
Agency for International Development	196,662	18,504	0	6,642	99,289	15,543	0	56,684
Appalachian Regional Commission	1,541	0	0	965	264	312	0	0
Consumer Product Safety Commission	374	374	0	0	0	0	0	0
Environmental Protection Agency	444,513	222,552	1,116	139,918	68,096	12,820	0	11
Federal Trade Commission	3,133	3,133	0	0	0	0	0	0
Library of Congress	495	495	0	0	0	0	0	0
National Aeronautics and Space Administration	1,994,754	516,908	161,710	912,829	339,440	56,782	255	6,831
National Science Foundation	1,184,712	1,974	0	217,054	852,857	106,833	5,084	910
Nuclear Regulatory Commission	47,200	1,650	33,090	8,979	715	671	0	2,095
Patient-Centered Outcomes Research Trust Fund	553,441	0	0	0	0	553,441	0	0
Postal Service	6,923	0	0	6,923	0	0	0	0
RESTORE Act Centers of Excellence Research Grants Program	22,996	0	0	0	0	0	22,996	0
Social Security Administration	96,274	49,063	0	23,961	11,641	8,610	3,000	0
Tennessee Valley Authority	18,000	0	0	16,560	0	1,440	0	0

* = amount greater than \$0 but less than \$500.

FFRDC = federally funded research and development center.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2023–24.