

TABLE 32

Preliminary 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	51,013,890	14,535,212	4,961,257	6,981,716	18,778,346	5,142,711	294,414	320,234
Departments								
Department of Agriculture	1,618,507	909,475	0	19,598	659,926	22,963	4,462	2,083
Agricultural Marketing Service	9,455	9,443	0	0	12	0	0	0
Agricultural Research Service	743,200	665,555	0	0	69,090	6,697	27	1,831
Economic Research Service	92,612	86,001	0	0	4,309	2,301	0	0
Forest Service	165,989	135,319	0	250	25,000	2,698	2,500	222
National Agricultural Statistics Service	6,376	5,963	0	0	94	319	0	0
National Institute of Food and Agriculture	600,874	7,192	0	19,348	561,421	10,948	1,935	30
Department of Commerce	1,755,115	1,255,878	18,971	55,590	398,647	22,908	2,354	767
Census Bureau	222,038	222,038	0	0	0	0	0	0
National Institute of Standards and Technology	605,126	511,691	13,257	30,206	41,487	7,493	230	762
National Oceanic and Atmospheric Administration	915,351	509,549	5,714	25,384	357,161	15,415	2,125	4
National Telecommunications and Information Administration	12,600	12,600	0	0	0	0	0	0
Department of Defense	8,391,914	3,523,532	762,986	2,506,593	1,211,311	350,134	1,876	35,481
Defense Advanced Research Projects Agency	1,677,011	102,153	94,136	966,273	383,248	117,646	556	12,998
Defense Health Agency	164,749	43,741	2,364	32,475	34,033	44,449	0	7,687
Department of the Air Force	2,032,976	1,874,818	48,584	12,024	60,483	37,054	13	0
Department of the Army	1,775,695	629,947	11,272	879,918	204,486	46,596	0	3,477
Department of the Navy	1,475,266	517,123	25,395	373,617	476,090	70,426	1,308	11,307
Space Force	101,354	93,342	8,012	0	0	0	0	0
Other defense agencies	1,164,863	262,408	573,223	242,286	52,970	33,964	0	11
Department of Education	235,979	0	0	17,791	107,392	82,372	28,425	0
Department of Energy	5,785,748	1,201,434	3,353,820	699,648	415,090	111,552	2,265	1,939
Advanced Research Projects Agency—Energy	235,000	1,092	28,750	110,746	85,479	8,933	0	0
Electricity Delivery and Energy Reliability	62,350	1,428	44,867	7,226	4,277	4,358	193	0
Energy Efficiency and Renewable Energy	724,182	6,971	448,391	137,381	83,683	45,994	1,761	0
Environmental Management	14,190	0	11,494	2,554	0	142	0	0
Fossil Energy	938,163	729,761	90,939	0	79,678	37,193	39	553
National Nuclear Security Administration	2,864,740	410,267	2,031,654	335,707	78,607	8,505	0	0
Defense Programs	2,554,182	408,708	1,872,495	186,416	78,057	8,505	0	0
Naval Nuclear Propulsion Program	141,400	0	980	140,420	0	0	0	0

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Office of Defense Nuclear Nonproliferation	169,158	1,559	158,179	8,871	550	0	0	0
Nuclear Energy	913,953	51,915	673,337	106,033	74,583	6,427	272	1,386
Office of Cybersecurity, Energy Security, and Emergency Response	33,170	0	24,387	0	8,783	0	0	0
Department of Health and Human Services	25,426,706	5,037,427	381,497	1,963,248	14,074,493	3,693,028	95,674	181,338
Administration for Children and Families	9,405	35	0	0	1,820	7,550	0	0
Administration for Community Living	112,862	0	0	3,299	89,109	20,022	432	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	11,777	0	0	0	7,529	2,500	1,250	498
Biomedical Advanced Research and Development Authority	817,834	143,362	0	483,869	41,760	136,694	0	12,148
Centers for Disease Control and Prevention	360,652	50,072	624	37,946	177,498	45,556	25,572	23,384
Food and Drug Administration	629,764	445,118	0	15,831	92,240	64,760	3,165	8,650
Health Resources and Services Administration	43,043	1,445	0	768	40,830	0	0	0
National Institutes of Health	23,065,925	4,348,842	380,873	1,249,960	13,507,321	3,377,111	65,160	136,658
Office of the Secretary of Health and Human Services	38,000	1,625	0	27,172	478	8,725	0	0
Office of the Assistant Secretary for Planning and Evaluation	38,000	1,625	0	27,172	478	8,725	0	0
Department of Homeland Security	169,286	51,868	20,000	82,243	11,175	3,271	161	568
Coast Guard	2,243	0	0	2,243	0	0	0	0
Countering Weapons of Mass Destruction Office	29,753	5,000	9,000	10,000	5,753	0	0	0
Cybersecurity and Infrastructure Security Agency	4,290	3,868	0	0	422	0	0	0
Science and Technology Directorate	133,000	43,000	11,000	70,000	5,000	3,271	161	568
Department of the Interior	776,253	673,305	0	21,548	59,257	6,567	15,229	348
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 Ocean Energy Management	71,666	55,800	0	6,718	4,036	3,867	1,027	218
Bureau of Reclamation	27,922	20,130	0	5,195	1,818	0	649	130

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Bureau of Safety and Environmental Enforcement	14,003	1,430	0	8,624	3,949	0	0	0
Fish and Wildlife Service	44,411	44,411	0	0	0	0	0	0
Geological Survey	574,557	531,809	0	808	32,674	774	8,493	0
National Park Service	27,222	13,611	0	0	13,611	0	0	0
Department of Justice	108,750	1,744	0	24,633	45,563	36,208	602	0
Bureau of Prisons	1	1	0	0	0	0	0	0
Federal Bureau of Investigation	20,549	0	0	20,549	0	0	0	0
Office of Justice Programs	88,199	1,743	0	4,084	45,563	36,208	602	0
Department of Labor	4,066	2,936	0	1,130	0	0	0	0
Employee Benefits Security Administration	2,244	1,114	0	1,130	0	0	0	0
Occupational Safety and Health Administration	1,822	1,822	0	0	0	0	0	0
Department of State	38,000	38,000	0	0	0	0	0	0
Department of Transportation	956,551	207,874	7,034	290,074	292,811	42,058	114,226	2,473
Federal Aviation Administration	255,833	62,705	3,575	114,055	65,728	7,530	0	2,240
Federal Highway Administration	435,999	67,695	1,959	83,805	179,783	12,531	90,226	0
Federal Motor Carrier Safety Administration	12,000	5,000	1,500	4,000	0	1,500	0	0
Federal Railroad Administration	39,550	10,779	0	15,254	7,674	5,609	0	233
Federal Transit Administration	48,000	12,000	0	0	12,000	0	24,000	0
National Highway Traffic Safety Administration	95,500	0	0	58,307	25,225	11,968	0	0
Office of the Secretary of Transportation	51,406	45,242	0	6,164	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	18,263	4,453	0	8,490	2,400	2,920	0	0
Department of the Treasury	48,012	3,238	7,700	14,552	0	500	0	22,022
Bureau of Engraving and Printing	48,012	3,238	7,700	14,552	0	500	0	22,022
Department of Veterans Affairs	1,076,012	1,076,012	0	0	0	0	0	0
Other agencies								
Agency for Global Media	7,917	748	0	7,170	0	0	0	0
Agency for International Development	152,853	18,441	0	8,296	32,549	30,635	0	62,932
Appalachian Regional Commission	827	0	0	435	0	392	0	0
Consumer Product Safety Commission	374	374	0	0	0	0	0	0
Environmental Protection Agency	444,513	222,552	0	141,044	64,930	15,986	0	0

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Federal Trade Commission	10,465	10,465	0	0	0	0	0	0
Library of Congress	495	495	0	0	0	0	0	0
National Aeronautics and Space Administration	1,740,762	243,707	365,560	783,343	313,337	34,815	0	0
National Science Foundation	1,465,771	1,161	0	273,658	1,061,854	117,622	6,143	5,333
Nuclear Regulatory Commission	82,729	1,399	43,689	11,682	21,009	0	0	4,950
Patient-Centered Outcomes Research Trust Fund	560,397	0	0	0	0	560,397	0	0
Postal Service	13,620	0	0	13,620	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	106,316	53,147	0	33,903	9,000	10,266	0	0
Tennessee Valley Authority	12,955	0	0	11,919	0	1,036	0	0

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 2022–23.