

TABLE 37

Preliminary federal obligations for experimental development, by agency and performer: FY 2023

(Dollars in thousands)

Agency	Total	Intramural		Extramural				Non-U.S. performers
		Federal agencies ^a	FFRDCs	United States and U.S. territories				
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	86,967,076	29,881,617	4,593,431	46,355,780	3,901,762	1,916,879	45,107	272,500
Departments								
Department of Agriculture	266,254	239,674	0	0	24,209	1,906	7	458
Agricultural Research Service	185,800	166,389	0	0	17,273	1,674	7	458
Animal and Plant Health Inspection Service	22,557	15,703	0	0	6,854	0	0	0
Forest Service	52,885	52,885	0	0	0	0	0	0
National Agricultural Statistics Service	5,011	4,696	0	0	83	232	0	0
Department of Commerce	738,885	266,759	5,165	286,746	136,756	42,615	840	4
Census Bureau	90,191	90,191	0	0	0	0	0	0
National Institute of Standards and Technology	448,195	71,633	0	283,135	52,805	40,622	0	0
National Oceanic and Atmospheric Administration	200,499	104,935	5,165	3,611	83,951	1,993	840	4
Department of Defense, total experimental development	76,931,574	28,091,956	2,176,543	42,259,218	2,548,227	1,597,739	7,377	250,514
Defense Advanced Research Projects Agency	1,996,211	197,746	64,892	1,590,985	125,582	12,078	0	4,928
Defense Health Agency	2,383,440	188,942	3,952	396,775	968,407	758,856	0	66,508
Department of the Air Force	12,855,854	5,522,059	548,062	6,443,008	222,583	120,142	0	0
Department of the Army	13,122,276	5,020,991	144,354	7,290,441	247,058	377,337	2	42,094
Department of the Navy	19,726,988	8,805,411	254,812	9,912,549	525,237	173,396	267	55,316
Space Force	8,470,000	566,769	293,810	7,508,778	75,935	19,759	4,949	0
Other defense agencies	18,376,805	7,790,038	866,661	9,116,683	383,425	136,171	2,159	81,667
Department of Defense, advanced technology	13,252,966	4,644,302	585,431	5,223,979	1,552,394	1,094,894	2,000	149,965
Defense Advanced Research Projects Agency	1,839,810	149,455	64,892	1,483,206	125,574	11,755	0	4,928
Defense Health Agency	2,106,660	122,631	3,768	238,745	952,617	722,389	0	66,508
Department of the Air Force	1,003,256	846,869	9,949	69,418	33,530	43,489	0	0
Department of the Army	2,463,948	905,865	26,706	1,246,044	139,803	132,432	0	13,098
Department of the Navy	1,209,055	421,380	11,684	515,800	138,045	120,662	0	1,484
Space Force	430,330	29,104	9,565	366,141	25,520	0	0	0
Other defense agencies	4,199,907	2,168,998	458,866	1,304,625	137,304	64,166	2,000	63,947
Department of Defense, major systems	63,678,608	23,447,654	1,591,112	37,035,239	995,833	502,845	5,377	100,548
Defense Advanced Research Projects Agency	156,401	48,291	0	107,779	8	323	0	0
Defense Health Agency	276,781	66,310	183	158,030	15,790	36,467	0	0
Department of the Air Force	11,852,598	4,675,189	538,113	6,373,590	189,053	76,653	0	0

TABLE 37

Preliminary federal obligations for experimental development, by agency and performer: FY 2023

(Dollars in thousands)

Agency	Total	Intramural		Extramural				Non-U.S. performers
		Federal agencies ^a	FFRDCs	United States and U.S. territories				
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
Department of the Army	10,658,328	4,115,126	117,648	6,044,397	107,255	244,904	2	28,996
Department of the Navy	18,517,933	8,384,031	243,128	9,396,749	387,191	52,734	267	53,833
Space Force	8,039,670	537,665	284,245	7,142,637	50,415	19,759	4,949	0
Other defense agencies	14,176,898	5,621,040	407,795	7,812,058	246,121	72,005	159	17,720
Department of Education	90,367	0	0	12,042	38,332	30,777	9,216	0
Department of Energy	2,796,899	131,078	1,199,764	1,164,092	217,364	80,848	2,777	976
Advanced Research Projects Agency—Energy	235,000	1,092	28,750	110,746	85,479	8,933	0	0
Electricity Delivery and Energy Reliability	80,910	1,853	58,223	9,377	5,550	5,656	251	0
Energy Efficiency and Renewable Energy	1,037,514	9,987	642,397	196,822	119,891	65,895	2,522	0
Environmental Management	28,810	0	23,336	5,186	0	288	0	0
National Nuclear Security Administration	1,193,331	111,377	343,603	736,961	1,390	0	0	0
Defense Programs	384,164	51,681	242,008	90,475	0	0	0	0
Naval Nuclear Propulsion Program	700,073	58,525	0	640,158	1,390	0	0	0
Office of Defense Nuclear Nonproliferation	109,095	1,171	101,595	6,329	0	0	0	0
Nuclear Energy	204,073	6,768	90,765	104,999	484	77	4	976
Office of Cybersecurity, Energy Security, and Emergency Response	17,260	0	12,690	0	4,570	0	0	0
Department of Health and Human Services	55,624	40,896	0	6,529	1,705	6,494	0	0
Agency for Healthcare Research and Quality	36,055	36,055	0	0	0	0	0	0
Centers for Disease Control and Prevention	15,023	4,841	0	6,529	1,267	2,386	0	0
Health Resources and Services Administration	4,545	0	0	0	438	4,108	0	0
Department of Homeland Security	305,157	134,502	27,300	114,417	8,000	19,688	79	1,171
Coast Guard	5,233	0	0	5,233	0	0	0	0
Countering Weapons of Mass Destruction Office	25,611	2,611	13,000	10,000	0	0	0	0
Cybersecurity and Infrastructure Security Agency	4,538	850	0	0	0	3,688	0	0
Science and Technology Directorate	266,000	128,450	14,300	98,000	8,000	16,000	79	1,171
Secret Service	3,775	2,591	0	1,184	0	0	0	0
Transportation Security Administration	*	0	*	*	*	*	0	0
Department of the Interior	166,131	144,216	1	3,332	15,627	720	2,235	0
Bureau of Land Management	255	83	1	0	64	97	10	0

TABLE 37

Preliminary federal obligations for experimental development, by agency and performer: FY 2023

(Dollars in thousands)

Agency	Total	Intramural		Extramural				Non-U.S. performers
		Federal agencies ^a	FFRDCs	United States and U.S. territories				
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
Bureau of Ocean Energy Management	16,626	14,582	0	1,524	20	5	495	0
Bureau of Reclamation	16,053	10,194	0	642	5,217	0	0	0
Bureau of Safety and Environmental Enforcement	2,250	160	0	910	911	269	0	0
Geological Survey	129,815	118,632	0	256	8,848	349	1,730	0
National Park Service	1,132	566	0	0	566	0	0	0
Department of Justice	14,508	3,700	0	4,199	1,005	5,445	159	0
Bureau of Prisons	3	0	0	0	0	0	3	0
Office of Justice Programs	14,505	3,700	0	4,199	1,005	5,445	156	0
Department of State	20,000	20,000	0	0	0	0	0	0
Department of Transportation	265,915	30,844	77,289	129,697	4,279	1,205	22,417	184
Federal Aviation Administration	230,302	20,937	77,289	128,205	3,226	461	0	184
Federal Highway Administration	26,725	4,309	0	0	0	0	22,417	0
Federal Motor Carrier Safety Administration	3,000	3,000	0	0	0	0	0	0
Federal Railroad Administration	4,888	1,598	0	1,493	1,053	744	0	0
Federal Transit Administration	1,000	1,000	0	0	0	0	0	0
Department of the Treasury	24,132	0	0	12,132	0	0	0	12,000
Bureau of Engraving and Printing	24,132	0	0	12,132	0	0	0	12,000
Department of Veterans Affairs	92,865	18,552	74,313	0	0	0	0	0
Other agencies								
Agency for International Development	67,761	4,189	0	11,051	20,782	24,544	0	7,194
Environmental Protection Agency	127,623	63,879	0	63,745	0	0	0	0
Library of Congress	2,669	2,669	0	0	0	0	0	0
National Aeronautics and Space Administration	4,919,309	688,703	1,033,055	2,213,689	885,476	98,386	0	0
Tennessee Valley Authority	81,403	0	0	74,891	0	6,512	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 2022–23.