

TABLE 9

**Federal obligations for extramural R&D and R&D plant, by type of agreement and agency: FY 2023**

(Dollars in thousands)

Agency	Total R&D and R&D plant		R&D		R&D plant	
	Contracts	Grants	Contracts	Grants	Contracts	Grants
All agencies	74,236,397	53,767,551	73,144,706	53,185,934	1,091,692	581,617
Departments						
Department of Agriculture	278,027	1,326,617	278,027	1,326,617	0	0
Agricultural Marketing Service	0	7,012	0	7,012	0	0
Agricultural Research Service	277,201	0	277,201	0	0	0
Animal and Plant Health Inspection Service	0	23,328	0	23,328	0	0
Economic Research Service	0	6,265	0	6,265	0	0
Forest Service	0	42,783	0	42,783	0	0
National Agricultural Statistics Service	827	0	827	0	0	0
National Institute of Food and Agriculture	0	1,236,865	0	1,236,865	0	0
Natural Resources Conservation Service	0	10,365	0	10,365	0	0
Department of Commerce	270,193	628,395	55,641	628,395	214,552	0
National Institute of Standards and Technology	26,555	108,619	26,555	108,619	0	0
National Oceanic and Atmospheric Administration	243,638	514,294	29,086	514,294	214,552	0
National Telecommunications and Information Administration	0	5,482	0	5,482	0	0
Department of Defense	54,118,881	4,998,895	54,099,136	4,998,895	19,745	0
Defense Advanced Research Projects Agency	3,079,374	304,553	3,079,374	304,553	0	0
Defense Health Agency	740,299	1,694,869	740,299	1,694,869	0	0
Department of the Air Force	9,076,194	1,637,528	9,070,554	1,637,528	5,640	0
Department of the Army	11,048,819	0	11,048,819	0	0	0
Department of the Navy	11,726,220	814,958	11,718,504	814,958	7,716	0
Space Force	7,349,570	0	7,349,570	0	0	0
Other defense agencies	11,098,406	546,987	11,092,017	546,987	6,389	0
Department of Education	62,258	309,651	62,258	309,651	0	0
Department of Energy	2,125,589	3,556,975	1,462,396	3,535,614	663,192	21,361
Advanced Research Projects Agency—Energy	22,150	391,975	22,150	391,975	0	0
Electricity Delivery and Energy Reliability	14,451	0	14,451	0	0	0
Energy Efficiency and Renewable Energy	239,726	1,017,846	239,726	1,017,846	0	0
Environmental Management	3,736	0	3,736	0	0	0
Fossil Energy	0	272,216	0	272,216	0	0
National Nuclear Security Administration	1,744,305	20,050	1,082,316	20,050	661,989	0
Defense Programs	365,239	0	280,473	0	84,766	0
Naval Nuclear Propulsion Program	1,359,851	0	782,628	0	577,223	0
Office of Defense Nuclear Nonproliferation	19,215	20,050	19,215	20,050	0	0
Nuclear Energy	20,805	193,760	19,602	192,322	1,203	1,438

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Agency	Total R&D and R&D plant		R&D		R&D plant	
	Contracts	Grants	Contracts	Grants	Contracts	Grants
Office of Cybersecurity, Energy Security, and Emergency Response	4,365	6,000	4,365	6,000	0	0
Office of Science	76,052	1,655,128	76,052	1,635,205	0	19,923
Department of Health and Human Services	9,309,879	33,172,699	9,249,230	33,084,700	60,649	87,999
Administration for Children and Families	0	6,731	0	6,731	0	0
Administration for Community Living	0	112,533	0	112,533	0	0
Advanced Research Projects Agency for Health	550,955	243,291	550,955	243,291	0	0
Agency for Healthcare Research and Quality	46,928	243,589	46,928	243,589	0	0
Agency for Toxic Substances and Disease Registry	0	18,556	0	18,556	0	0
Biomedical Advanced Research and Development Authority	5,786,991	0	5,726,342	0	60,649	0
Centers for Disease Control and Prevention	88,019	298,807	88,019	298,807	0	0
Centers for Medicare and Medicaid Services	19,971	0	19,971	0	0	0
Food and Drug Administration	0	273,291	0	273,291	0	0
Health Resources and Services Administration	0	77,624	0	77,624	0	0
National Institutes of Health	2,792,425	31,891,171	2,792,425	31,803,172	0	87,999
Office of the Secretary of Health and Human Services	24,589	7,107	24,589	7,107	0	0
Office of the Assistant Secretary for Planning and Evaluation	24,589	7,107	24,589	7,107	0	0
Department of Homeland Security	318,016	60,644	313,513	60,644	4,502	0
Coast Guard	7,476	0	7,476	0	0	0
Countering Weapons of Mass Destruction Office	37,037	12,171	37,037	12,171	0	0
Cybersecurity and Infrastructure Security Agency	4,937	0	4,937	0	0	0
Science and Technology Directorate	240,338	48,473	236,836	48,473	3,502	0
Secret Service	1,227	0	1,227	0	0	0
Transportation Security Administration	27,000	0	26,000	0	1,000	0
Department of the Interior	21,742	87,948	17,358	87,882	4,384	66
Bureau of Indian Affairs	0	5,000	0	5,000	0	0
Bureau of Land Management	6,502	0	6,502	0	0	0
Bureau of Reclamation	3,170	14,160	2,830	14,094	340	66
Bureau of Safety and Environmental Enforcement	10,104	2,191	6,060	2,191	4,044	0
Geological Survey	1,967	63,585	1,967	63,585	0	0
National Park Service	0	3,012	0	3,012	0	0
Department of Justice	15,714	94,102	15,714	94,102	0	0
Bureau of Prisons	11	0	11	0	0	0
Federal Bureau of Investigation	6,315	0	6,315	0	0	0
Office of Justice Programs	9,389	94,102	9,389	94,102	0	0
Department of Labor	1,018	0	1,018	0	0	0

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Agency	Total R&D and R&D plant		R&D		R&D plant	
	Contracts	Grants	Contracts	Grants	Contracts	Grants
Employee Benefits Security Administration	1,018	0	1,018	0	0	0
Department of Transportation	519,183	340,595	485,032	340,068	34,152	526
Federal Aviation Administration	272,548	58,453	241,164	58,453	31,384	0
Federal Highway Administration	98,261	267,983	98,261	267,457	0	526
Federal Motor Carrier Safety Administration	4,996	0	4,996	0	0	0
Federal Railroad Administration	40,389	3,099	37,621	3,099	2,768	0
Federal Transit Administration	0	6,732	0	6,732	0	0
National Highway Traffic Safety Administration	88,891	0	88,891	0	0	0
Office of the Secretary of Transportation	4,848	0	4,848	0	0	0
Pipeline and Hazardous Materials Safety Administration	9,251	4,327	9,251	4,327	0	0
Department of the Treasury	43,831	0	43,831	0	0	0
Bureau of Engraving and Printing	43,831	0	43,831	0	0	0
Other agencies						
Agency for Global Media	8,276	0	8,276	0	0	0
Agency for International Development	0	227,737	0	227,737	0	0
Appalachian Regional Commission	1,541	0	1,541	0	0	0
Environmental Protection Agency	205,973	80,916	203,673	80,916	2,300	0
National Aeronautics and Space Administration	6,503,708	1,060,638	6,416,389	1,060,638	87,319	0
National Science Foundation	286,611	7,213,665	285,715	6,742,001	896	471,665
Nuclear Regulatory Commission	11,745	715	11,745	715	0	0
Patient-Centered Outcomes Research Trust Fund	0	553,441	0	553,441	0	0
Postal Service	0	6,923	0	6,923	0	0
RESTORE Act Centers of Excellence Research Grants Program	0	22,996	0	22,996	0	0
Social Security Administration	23,212	24,000	23,212	24,000	0	0
Tennessee Valley Authority	111,000	0	111,000	0	0	0

**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.