

TABLE 43

**Preliminary federal obligations for R&D plant, by agency and performer: FY 2022**

(Dollars in thousands)

Agency	Total	Intramural		Extramural				
				United States and U.S. territories				Non-U.S. performers
		Federal agencies <sup>a</sup>	FFRDCs	Businesses	Higher education <sup>b</sup>	Nonprofit organizations	State and local governments	
All agencies	4,492,112	1,025,450	1,808,841	781,889	588,635	281,514	5,450	334
Departments								
Department of Agriculture	19,038	19,038	0	0	0	0	0	0
Agricultural Research Service	9,000	9,000	0	0	0	0	0	0
Forest Service	10,038	10,038	0	0	0	0	0	0
Department of Commerce	620,055	620,055	0	0	0	0	0	0
National Institute of Standards and Technology	142,515	142,515	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	477,540	477,540	0	0	0	0	0	0
Department of Defense	161,628	161,096	0	532	0	0	0	0
Department of the Air Force	117,012	117,012	0	0	0	0	0	0
Department of the Navy	36,175	36,175	0	0	0	0	0	0
Other defense agencies	8,441	7,909	0	532	0	0	0	0
Department of Energy	2,472,518	51,299	1,804,967	607,920	3,033	0	5,300	0
Energy Efficiency and Renewable Energy	60,882	0	60,882	0	0	0	0	0
Fossil Energy	29,000	29,000	0	0	0	0	0	0
National Nuclear Security Administration	863,041	22,299	238,790	601,920	*	0	0	0
Defense Programs	437,136	22,299	219,785	195,020	*	0	0	0
Naval Nuclear Propulsion Program	406,900	0	0	406,900	0	0	0	0
Office of Defense Nuclear Nonproliferation	19,005	0	19,005	0	0	0	0	0
Office of Science	1,519,595	0	1,505,295	6,000	3,000	0	5,300	0
Department of Health and Human Services	240,556	143,087	0	0	88,700	8,769	0	0
Biomedical Advanced Research and Development Authority	171	171	0	0	0	0	0	0
Food and Drug Administration	9,074	9,074	0	0	0	0	0	0
Health Resources and Services Administration	1,311	1,311	0	0	0	0	0	0
National Institutes of Health	230,000	132,531	0	0	88,700	8,769	0	0
Department of Homeland Security	20,000	5,222	0	14,778	0	0	0	0
Science and Technology Directorate	19,000	4,222	0	14,778	0	0	0	0
Transportation Security Administration	1,000	1,000	0	0	0	0	0	0
Department of the Interior	7,650	1,260	0	6,240	0	0	150	0
Bureau of Reclamation	1,650	800	0	700	0	0	150	0

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		Federal agencies <sup>a</sup>	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education <sup>b</sup>	Nonprofit organizations	State and local governments	
Bureau of Safety and Environmental Enforcement	6,000	460	0	5,540	0	0	0	0
Department of Transportation	37,997	*	0	37,857	0	0	0	128
Federal Aviation Administration	35,735	*	0	35,595	0	0	0	128
Federal Railroad Administration	1,762	0	0	1,762	0	0	0	0
National Highway Traffic Safety Administration	500	0	0	500	0	0	0	0
Department of the Treasury	360	360	0	0	0	0	0	0
Mint	360	360	0	0	0	0	0	0
Other agencies								
Environmental Protection Agency	5,800	0	0	5,800	0	0	0	0
National Aeronautics and Space Administration	99,400	1,030	3,874	94,268	0	228	0	0
National Science Foundation	807,110	22,992	0	14,494	496,901	272,518	0	205

\* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

<sup>a</sup> 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.<sup>b</sup> 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. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). 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 2021–22.