

TABLE 42

Federal obligations for R&D plant, by agency and performer: FY 2021

(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	4,282,438	882,770	2,019,120	858,176	360,338	155,441	6,358	236
Departments								
Department of Agriculture	57,426	57,426	0	0	0	0	0	0
Agricultural Research Service	45,525	45,525	0	0	0	0	0	0
Forest Service	11,540	11,540	0	0	0	0	0	0
Natural Resources Conservation Service	360	360	0	0	0	0	0	0
Department of Commerce	428,949	428,798	0	135	*	0	0	0
National Institute of Standards and Technology	250,591	250,591	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	178,358	178,207	0	135	*	0	0	0
Department of Defense	168,901	167,250	0	1,651	0	0	0	0
Department of the Air Force	121,334	121,334	0	0	0	0	0	0
Department of the Navy	37,246	37,246	0	0	0	0	0	0
Other defense agencies	10,322	8,670	0	1,651	0	0	0	0
Department of Energy	2,667,997	66,959	2,017,103	572,239	5,338	0	6,358	0
Energy Efficiency and Renewable Energy	41,696	0	41,696	0	0	0	0	0
Fossil Energy	29,000	29,000	0	0	0	0	0	0
National Nuclear Security Administration	967,480	33,322	367,881	566,239	*	0	0	0
Defense Programs	617,475	33,322	348,876	235,239	*	0	0	0
Naval Nuclear Propulsion Program	331,000	0	0	331,000	0	0	0	0
Office of Defense Nuclear Nonproliferation	19,005	0	19,005	0	0	0	0	0
Office of Science	1,629,821	4,637	1,607,526	6,000	5,300	0	6,358	0
Department of Health and Human Services	398,710	141,490	0	160,005	88,469	8,746	0	0
Biomedical Advanced Research and Development Authority	160,005	0	0	160,005	*	0	0	0
Food and Drug Administration	7,993	7,993	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	229,400	132,185	0	0	88,469	8,746	0	0
Department of Homeland Security	19,831	5,187	0	14,644	0	0	0	0
Science and Technology Directorate	18,831	4,187	0	14,644	0	0	0	0
Transportation Security Administration	1,000	1,000	0	0	0	0	0	0
Department of the Interior	12,865	1,570	0	11,295	0	0	0	0
Bureau of Reclamation	1,500	700	0	800	0	0	0	0

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Bureau of Safety and Environmental Enforcement	11,365	870	0	10,495	0	0	0	0
Department of Transportation	37,033	*	0	35,464	0	1,432	0	126
Federal Aviation Administration	35,101	*	0	34,964	0	0	0	126
Federal Railroad Administration	1,432	0	0	0	0	1,432	0	0
National Highway Traffic Safety Administration	500	0	0	500	0	0	0	0
Other agencies								
Environmental Protection Agency	5,810	0	0	5,810	0	0	0	0
National Aeronautics and Space Administration	52,056	760	2,017	49,161	0	118	0	0
National Science Foundation	432,861	13,319	0	7,772	266,515	145,144	0	110

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

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. 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 2021 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.