TABLE 54

Federal obligations for R&D plant, by agency and R&D performer: FY 2019
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories								
			Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	Foreign	
All agencies	4,376,447.8	1,092,657.1	353,973.3	428,268.6	513,972.8	850,027.0	169,824.3	956,249.0	1,175.7	10,300.0	
Departments											
Department of Agriculture	28,992.4	28,992.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Agricultural Research Service	19,356.8	19,356.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Forest Service	9,635.6	9,635.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of Commerce	464,332.3	464,332.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
National Institute of Standards and Technology	118,969.3	118,969.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
National Oceanic and Atmospheric Administration	345,363.0	345,363.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of Defense	609,655.9	348,972.0	176,394.7	77,223.3	3,897.9	2,968.0	0.0	200.0	0.0	0.0	
Department of the Air Force	192,630.2	168,815.0	23,815.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of the Navy	143,167.7	120,177.3	14,086.4	3,000.0	2,735.9	2,968.0	0.0	200.0	0.0	0.0	
Other defense agencies	273,858.0	59,979.8	138,493.0	74,223.3	1,161.9	0.0	0.0	0.0	0.0	0.0	
Department of Energy	2,245,499.5	26,046.2	0.0	351,045.3	75,000.0	837,359.0	0.0	956,049.0	0.0	0.0	
Energy Efficiency and Renewable Energy	305,460.0	0.0	0.0	0.0	0.0	0.0	0.0	305,460.0	0.0	0.0	
Fossil Energy	23,000.0	23,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
National Nuclear Security Administration	337,342.0	0.0	0.0	337,342.0	0.0	0.0	0.0	0.0	0.0	0.0	
Defense Programs	337,342.0	0.0	0.0	337,342.0	0.0	0.0	0.0	0.0	0.0	0.0	
Office of Science	1,579,697.5	3,046.2	0.0	13,703.3	75,000.0	837,359.0	0.0	650,589.0	0.0	0.0	
Department of Health and Human Services	243,000.0	173,532.3	0.0	0.0	69,467.7	0.0	0.0	0.0	0.0	0.0	
Food and Drug Administration	26,000.0	26,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
National Institutes of Health	217,000.0	147,532.3	0.0	0.0	69,467.7	0.0	0.0	0.0	0.0	0.0	
Department of Homeland Security	1,306.0	1,306.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

TABLE 54

Federal obligations for R&D plant, by agency and R&D performer: FY 2019
(Dollars in thousands)

	Total	Intramural ^a	Extramural								
Agency			United States and U.S. territories								
			Industry	Industry- administered FFRDCs	Universities and colleges	University- administered FFRDCs	Other nonprofits	Nonprofit- administered FFRDCs	State, local governments	Foreign	
U.S. Coast Guard	1,306.0	1,306.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of the Interior	4,646.5	1,366.0	3,280.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Bureau of Reclamation	1,150.0	1,150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Bureau of Safety and Environmental Enforcement	3,496.5	216.0	3,280.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of Transportation	39,261.0	1,744.4	37,470.6	0.0	0.0	0.0	46.0	0.0	0.0	0.0	
Federal Aviation Administration	37,269.8	1,670.6	35,553.3	0.0	0.0	0.0	46.0	0.0	0.0	0.0	
Federal Railroad Administration	1,991.2	73.8	1,917.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Department of the Treasury	4,133.8	2,273.8	1,860.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Bureau of Engraving and Printing	1,860.0	0.0	1,860.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
U.S. Mint	2,273.8	2,273.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Other agencies											
Environmental Protection Agency	4,695.0	0.0	4,695.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
National Aeronautics and Space Administration	46,225.4	0.0	26,225.4	0.0	0.0	9,700.0	0.0	0.0	0.0	10,300.0	
National Science Foundation	652,140.0	11,531.6	104,047.2	0.0	365,607.2	0.0	169,778.3	0.0	1,175.7	0.0	
Smithsonian Institution	32,560.0	32,560.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

FFRDC = federally funded research and development center.

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 2019-20.

^a Intramural activities cover costs associated with the administration of intramural R&D programs and extramural R&D procurements by federal personnel as well as actual intramural performance.