

TABLE 53

**Federal obligations and outlays for R&D plant, by agency: FYs 2019–20**

(Dollars in thousands)

Agency	Obligations		Outlays	
	2019	2020 (preliminary)	2019	2020 (preliminary)
All agencies	4,376,447.8	4,759,030.8	5,015,850.8	5,713,634.2
Departments				
Department of Agriculture	28,992.4	430,008.0	48,947.5	109,008.0
Agricultural Research Service	19,356.8	428,000.0	39,311.9	107,000.0
Forest Service	9,635.6	2,008.0	9,635.6	2,008.0
Department of Commerce	464,332.3	618,526.0	385,714.6	343,220.0
National Institute of Standards and Technology	118,969.3	371,979.0	132,714.6	151,220.0
National Oceanic and Atmospheric Administration	345,363.0	246,547.0	253,000.0	192,000.0
Department of Defense	609,655.9	305,580.7	353,254.8	331,247.0
Department of the Air Force	192,630.2	160,405.1	205,069.9	202,958.5
Department of the Navy	143,167.7	134,322.2	126,334.7	117,241.2
Other defense agencies	273,858.0	10,853.4	21,850.2	11,047.3
Department of Energy	2,245,499.5	2,403,147.0	3,236,625.9	3,849,515.5
Energy Efficiency and Renewable Energy	305,460.0	418,575.0	1,738,392.0	1,953,409.0
Fossil Energy	23,000.0	29,000.0	23,000.0	29,000.0
National Nuclear Security Administration	337,342.0	292,492.0	275,351.0	281,509.5
Defense Programs	337,342.0	281,492.0	275,351.0	272,509.5
Office of Defense Nuclear Nonproliferation	0.0	11,000.0	0.0	9,000.0
Nuclear Energy	0.0	65,000.0	0.0	26,000.0
Office of Science	1,579,697.5	1,598,080.0	1,199,882.9	1,559,597.0
Department of Health and Human Services	243,000.0	265,000.0	156,000.0	223,000.0
Centers for Medicare and Medicaid Services	0.0	0.0	*	0.0
Food and Drug Administration	26,000.0	35,000.0	26,000.0	35,000.0
National Institutes of Health	217,000.0	230,000.0	130,000.0	188,000.0
Department of Homeland Security	1,306.0	0.0	206,306.0	170,000.0
Science and Technology Directorate	0.0	0.0	205,000.0	170,000.0
U.S. Coast Guard	1,306.0	0.0	1,306.0	0.0
Department of the Interior	4,646.5	8,397.9	3,706.3	6,349.5
Bureau of Reclamation	1,150.0	1,150.0	1,150.0	1,150.0
Bureau of Safety and Environmental Enforcement	3,496.5	7,247.9	2,556.3	5,199.5
Department of Transportation	39,261.0	49,418.8	37,688.8	36,762.0
Federal Aviation Administration	37,269.8	47,682.8	36,000.0	35,000.0
Federal Railroad Administration	1,991.2	1,736.0	1,688.8	1,762.0
Department of the Treasury	4,133.8	1,266.4	4,133.8	1,266.4
Bureau of Engraving and Printing	1,860.0	1,000.0	1,860.0	1,000.0
U.S. Mint	2,273.8	266.4	2,273.8	266.4
Other agencies				
Environmental Protection Agency	4,695.0	4,499.0	4,695.0	4,499.0
National Aeronautics and Space Administration	46,225.4	86,347.0	78,218.3	76,206.8
National Science Foundation	652,140.0	554,280.0	468,000.0	530,000.0
Smithsonian Institution	32,560.0	32,560.0	32,560.0	32,560.0

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

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations or outlays in variables represented by this table appear in the table. FY 2020 preliminary data do not include obligations from supplemental COVID-19 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 2019–20.