

TABLE 19

## State agency expenditures for R&amp;D for intramural performers, by state, department or agency, and source of funds: FY 2023

(Dollars)

State and department or agency	R&D expenditures for intramural performers	Source of funds					
		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
United States <sup>a</sup>	741,613,066	330,196,996	374,463,127	7,611,901	9,340,269	16,180,534	3,820,239
Alabama	8,885,851	5,362,860	2,983,621	3,570	49,726	0	486,074
Education, Department of	989,326	793,288	196,038	0	0	0	0
Forensic Sciences, Department of	231,757	0	231,757	0	0	0	0
Geological Survey	2,971,380	1,142,154	1,775,930	3,570	49,726	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	3,913,492	3,427,418	0	0	0	0	486,074
Transportation, Department of	779,896	0	779,896	0	0	0	0
Alaska	14,118,929	4,446,385	6,611,844	3,060,700	0	0	0
Environmental Conservation, Department of	137,502	72,383	65,119	0	0	0	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	12,212,300	2,727,100	6,424,500	3,060,700	0	0	0
Railroad Corporation	1,221,457	1,208,766	12,691	0	0	0	0
Transportation and Public Facilities, Department of	547,670	438,136	109,534	0	0	0	0
Arizona	2,901,013	1,833,935	1,067,078	0	0	0	0
Game and Fish Department	1,299,872	1,033,022	266,850	0	0	0	0
Juvenile Corrections, Department of	600,000	0	600,000	0	0	0	0
Transportation, Department of	1,001,141	800,913	200,228	0	0	0	0
Arkansas	391,998	155,472	236,526	0	0	0	0
Game and Fish Commission	248,065	105,574	142,491	0	0	0	0
Natural Heritage Commission	102,653	16,874	85,779	0	0	0	0
Transportation, Department of	41,280	33,024	8,256	0	0	0	0
California	97,801,248	6,452,601	91,230,650	117,997	0	0	0
Air Resources Board	10,629,196	0	10,629,196	0	0	0	0
Conservation, Department of	1,166,321	459,600	706,721	0	0	0	0
Emergency Services Governor's Office	120,000	0	120,000	0	0	0	0
Energy Commission	36,001,202	0	36,001,202	0	0	0	0
Environmental Health Hazard Assessment, Office of	18,194,997	0	18,194,997	0	0	0	0
Forestry and Fire Protection, Department of	2,600,000	0	2,600,000	0	0	0	0
Housing and Community Development, Department of	79,000	0	79,000	0	0	0	0
Motor Vehicles, Department of	1,696,942	0	1,578,945	117,997	0	0	0
Pesticide Regulation, Department of	13,757,992	0	13,757,992	0	0	0	0
Toxic Substances Control, Department of	221,058	0	221,058	0	0	0	0
Transportation, Department of	13,234,540	5,993,001	7,241,539	0	0	0	0
Water Resources, Department of	100,000	0	100,000	0	0	0	0
Colorado	10,548,105	2,677,246	7,856,742	0	0	14,117	0
Agriculture, Department of	337,677	337,677	0	0	0	0	0

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Natural Resources, Department of	6,826,610	1,598,311	5,214,182	0	0	14,117	0
Public Health and Environment, Department of	2,642,560	0	2,642,560	0	0	0	0
Transportation, Department of	741,258	741,258	0	0	0	0	0
Connecticut	29,335,244	12,815,756	16,519,488	0	0	0	0
Agricultural Experiment Station	14,165,952	6,197,219	7,968,733	0	0	0	0
Energy and Environmental Protection, Department of	7,188,455	5,632,585	1,555,870	0	0	0	0
Mental Health and Addiction Services, Department of	7,079,816	578,179	6,501,637	0	0	0	0
Social Services, Department of	391,305	0	391,305	0	0	0	0
Transportation, Department of	509,716	407,773	101,943	0	0	0	0
Delaware	1,600,464	482,103	1,118,361	0	0	0	0
Geological Survey	1,600,464	482,103	1,118,361	0	0	0	0
District of Columbia	7,041,016	5,922,231	1,118,785	0	0	0	0
Health, Department of	5,929,590	5,833,090	96,500	0	0	0	0
Transportation, Department of	111,426	89,141	22,285	0	0	0	0
Water and Sewer Authority	1,000,000	0	1,000,000	0	0	0	0
Florida	53,921,437	15,408,355	34,178,921	18,770	55,777	3,638,602	621,012
Agriculture and Consumer Services, Department of	1,089,702	1,029,912	59,790	0	0	0	0
Citrus, Department of	93,920	0	93,920	0	0	0	0
Fish and Wildlife Conservation Commission	51,516,677	14,378,443	32,804,073	18,770	55,777	3,638,602	621,012
Transportation, Department of	1,221,138	0	1,221,138	0	0	0	0
Georgia	2,930,709	2,670,800	0	0	0	259,909	0
Southern States Energy Board	2,930,709	2,670,800	0	0	0	259,909	0
Hawaii	628,842	628,842	0	0	0	0	0
Agriculture, Department of	198,717	198,717	0	0	0	0	0
Business, Economic Development, and Tourism, Department of	430,125	430,125	0	0	0	0	0
Idaho	7,349,090	6,285,004	947,747	15,820	12,311	88,208	0
Fish and Game, Department of	7,136,173	6,114,670	905,164	15,820	12,311	88,208	0
Transportation Department	212,917	170,334	42,583	0	0	0	0
Illinois	554,067	0	554,067	0	0	0	0
Transportation, Department of	554,067	0	554,067	0	0	0	0
Indiana	1,902,083	640,523	1,261,560	0	0	0	0
Natural Resources, Department of	1,828,814	581,908	1,246,906	0	0	0	0
Transportation, Department of	73,269	58,615	14,654	0	0	0	0
Iowa	1,366,776	790,341	411,891	0	164,544	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	632,002	240,471	226,987	0	164,544	0	0

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State and department or agency	R&D expenditures for intramural performers	Source of funds					
		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
Natural Resources, Department of	734,774	549,870	184,904	0	0	0	0
Kansas	2,166,223	1,362,879	746,217	0	0	0	57,127
State Board of Regents	7,049	0	7,049	0	0	0	0
Transportation, Department of	1,290,541	917,710	372,831	0	0	0	0
Water Office	868,633	445,169	366,337	0	0	0	57,127
Kentucky	4,842,218	3,311,421	1,530,797	0	0	0	0
Fish and Wildlife Resources, Department of	4,794,264	3,263,467	1,530,797	0	0	0	0
Nature Preserves, Office of Kentucky	47,954	47,954	0	0	0	0	0
Louisiana	10,567,296	7,776,412	2,790,884	0	0	0	0
Coastal Protection and Restoration Authority	524,674	28,258	496,416	0	0	0	0
Transportation and Development, Department of	4,250,000	3,400,000	850,000	0	0	0	0
Wildlife and Fisheries, Department of	5,792,622	4,348,154	1,444,468	0	0	0	0
Maine	12,319,129	9,237,122	2,315,084	1,181	755,391	0	10,351
Agriculture, Conservation and Forestry, Department of	1,466,400	464,400	1,002,000	0	0	0	0
Aquaculture Innovation Center	587,473	470,720	45,878	0	70,875	0	0
Inland Fisheries and Wildlife, Department of	1,659,000	1,215,000	444,000	0	0	0	0
Marine Resources, Department of	2,663,978	2,103,517	560,461	0	0	0	0
MDI Biological Laboratory, Center for Biomedical Innovation	5,457,951	4,596,023	165,880	1,181	684,516	0	10,351
Transportation, Department of	484,327	387,462	96,865	0	0	0	0
Maryland	622,465	325,652	296,813	0	0	0	0
Transportation, Department of	622,465	325,652	296,813	0	0	0	0
Massachusetts	1,690,736	175,660	1,215,076	300,000	0	0	0
Environmental Protection, Department of	333,963	26,843	307,120	0	0	0	0
Fish and Game, Department of	26,915	26,915	0	0	0	0	0
Gaming Commission	220,350	0	220,350	0	0	0	0
MassVentures	200,000	0	200,000	0	0	0	0
Transportation, Department of	609,508	121,902	487,606	0	0	0	0
Water Resources Authority	300,000	0	0	300,000	0	0	0
Michigan	143,576	96,095	47,481	0	0	0	0
Agriculture and Rural Development, Department of	35,000	35,000	0	0	0	0	0
Environmental, Great Lakes, and Energy, Department of	108,576	61,095	47,481	0	0	0	0
Minnesota	3,138,073	1,655,657	1,482,416	0	0	0	0
Agriculture, Department of	1,006,689	0	1,006,689	0	0	0	0
Health, Department of	150,000	150,000	0	0	0	0	0
Natural Resources, Department of	1,981,384	1,505,657	475,727	0	0	0	0

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		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
Mississippi	2,030,108	1,193,240	374,157	462,711	0	0	0
Environmental Quality, Department of	100,727	100,727	0	0	0	0	0
Gulf States Marine Fisheries Commission	65,341	65,341	0	0	0	0	0
Marine Resources, Department of	1,123,546	522,007	138,828	462,711	0	0	0
Transportation, Department of	2,444	1,955	489	0	0	0	0
Wildlife, Fisheries, and Parks, Department of	738,050	503,210	234,840	0	0	0	0
Missouri	4,589,925	1,538,039	3,051,886	0	0	0	0
Conservation, Department of	4,589,925	1,538,039	3,051,886	0	0	0	0
Montana	3,806,428	2,707,280	1,038,300	0	60,848	0	0
Environmental Quality, Department of	63,976	17,345	46,631	0	0	0	0
Fish, Wildlife and Parks, Department of	3,277,294	2,314,193	902,253	0	60,848	0	0
Natural Resources and Conservation, Department of	18,077	18,077	0	0	0	0	0
Transportation, Department of	447,081	357,665	89,416	0	0	0	0
Nebraska	74,500	0	74,500	0	0	0	0
Transportation, Department of	74,500	0	74,500	0	0	0	0
Nevada	256,192	186,169	70,023	0	0	0	0
Agriculture, Department of	204,134	144,134	60,000	0	0	0	0
Conservation and Natural Resources, Department of	52,058	42,035	10,023	0	0	0	0
New Hampshire	89,546	71,637	17,909	0	0	0	0
Transportation, Department of	89,546	71,637	17,909	0	0	0	0
New Jersey	3,917,853	622,467	3,295,386	0	0	0	0
Children and Families, Department of	132,600	5,757	126,843	0	0	0	0
Community Affairs, Department of	14,769	0	14,769	0	0	0	0
Corrections, Department of	498,425	119,932	378,493	0	0	0	0
Environmental Protection, Department of	2,469,745	155,500	2,314,245	0	0	0	0
Pinelands Commission	709,097	248,061	461,036	0	0	0	0
State Parole Board, New Jersey	93,217	93,217	0	0	0	0	0
New Mexico	781,067	601,104	179,963	0	0	0	0
Game and Fish, Department of	475,000	356,250	118,750	0	0	0	0
Transportation, Department of	306,067	244,854	61,213	0	0	0	0
New York	286,453,348	157,405,093	105,631,778	1,319,969	8,131,629	12,179,698	1,785,181
Agriculture and Markets, Department of	2,582,000	2,582,000	0	0	0	0	0
Energy Research and Development Authority	8,551,208	0	8,551,208	0	0	0	0
Environmental Conservation, Department of	4,262,602	1,292,726	2,969,876	0	0	0	0
Health, Department of	26,751,347	14,566,282	9,889,860	1,319,969	467,807	229,348	278,081

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Mental Health, Office of	149,760,923	76,195,991	66,000,000	0	4,616,886	2,037,264	910,782
People with Developmental Disabilities, Office of	2,317,096	2,101,295	0	0	215,801	0	0
Power Authority	2,975,989	0	2,710,989	0	265,000	0	0
Roswell Park Comprehensive Cancer Center	76,048,189	58,317,994	4,654,656	0	2,566,135	9,913,086	596,318
State Museum	10,729,590	369,282	10,360,308	0	0	0	0
Transportation, Department of	2,474,404	1,979,523	494,881	0	0	0	0
North Carolina	16,335,642	520,035	15,815,607	0	0	0	0
Agriculture and Consumer Services, Department of	13,922,911	0	13,922,911	0	0	0	0
Natural and Cultural Resources, Department of	1,762,688	0	1,762,688	0	0	0	0
Transportation, Department of	650,043	520,035	130,008	0	0	0	0
North Dakota	981,502	540,406	441,096	0	0	0	0
Game and Fish, Department of	52,550	39,375	13,175	0	0	0	0
Historical Society of North Dakota	893,850	473,530	420,320	0	0	0	0
Transportation, Department of	35,102	27,501	7,601	0	0	0	0
Ohio	641,094	355,768	285,326	0	0	0	0
Education & Workforce, Department of	25,000	0	25,000	0	0	0	0
Natural Resources, Department of	616,094	355,768	260,326	0	0	0	0
Oklahoma	1,434,856	1,047,254	387,602	0	0	0	0
Grand River Dam Authority	250,000	0	250,000	0	0	0	0
Health, Department of	432,788	432,788	0	0	0	0	0
Human Services, Department of	174,930	153,321	21,609	0	0	0	0
Transportation, Department of	573,370	458,696	114,674	0	0	0	0
Wildlife Conservation, Department of	3,768	2,449	1,319	0	0	0	0
Oregon	19,770,459	13,713,869	5,605,775	450,815	0	0	0
Fish and Wildlife, Department of	14,440,498	10,940,464	3,500,034	0	0	0	0
Forestry, Department of	350,000	0	350,000	0	0	0	0
Geology and Mineral Industries, Department of	1,118,540	1,077,415	41,125	0	0	0	0
Human Services, Department of	2,613,332	915,237	1,271,321	426,774	0	0	0
Transportation, Department of	1,049,358	777,938	271,420	0	0	0	0
Water Resources Department	188,083	0	164,042	24,041	0	0	0
Watershed Enhancement Board	10,648	2,815	7,833	0	0	0	0
Pennsylvania	16,987,160	9,082,034	7,785,126	120,000	0	0	0
Conservation and Natural Resources, Department of	149,625	0	149,625	0	0	0	0
Environmental Protection, Department of	4,359	0	4,359	0	0	0	0
Fish and Boat Commission	143,542	68,379	75,163	0	0	0	0

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Game Commission	16,509,634	8,953,655	7,555,979	0	0	0	0
Susquehanna River Basin Commission	180,000	60,000	0	120,000	0	0	0
Rhode Island	236,546	236,546	0	0	0	0	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	236,546	236,546	0	0	0	0	0
South Carolina	32,709,409	22,615,194	9,188,685	160,036	0	0	745,494
Health and Environmental Control, Department of	1,824,716	1,118,786	0	0	0	0	705,930
Natural Resources, Department of	28,539,233	20,126,797	8,412,436	0	0	0	0
Sea Grant Consortium	2,333,614	1,369,611	764,403	160,036	0	0	39,564
Transportation, Department of	11,846	0	11,846	0	0	0	0
South Dakota	273,454	191,504	81,950	0	0	0	0
Soybean Research and Promotion Council	29,267	0	29,267	0	0	0	0
Transportation, Department of	244,187	191,504	52,683	0	0	0	0
Tennessee	175,000	140,000	35,000	0	0	0	0
Transportation, Department of	175,000	140,000	35,000	0	0	0	0
Texas	1,993,899	1,202,045	791,854	0	0	0	0
Environmental Quality, Commission on	63,981	0	63,981	0	0	0	0
Parks and Wildlife Department	1,578,191	1,089,131	489,060	0	0	0	0
State Health Services, Department of	351,727	112,914	238,813	0	0	0	0
Utah	7,748,094	358,994	7,389,100	0	0	0	0
Environmental Quality, Department of	273,553	167,007	106,546	0	0	0	0
Natural Resources, Department of	6,352,113	0	6,352,113	0	0	0	0
Transportation, Department of	1,122,428	191,987	930,441	0	0	0	0
Vermont	2,163,824	2,112,389	51,435	0	0	0	0
Human Services, Agency of	1,698,182	1,698,182	0	0	0	0	0
Transportation, Agency of	465,642	414,207	51,435	0	0	0	0
Virginia	20,744,159	7,285,245	13,066,261	277,653	0	0	115,000
Behavioral Health and Developmental Services, Department of	5,100	0	5,100	0	0	0	0
Education, Department of	865,000	500,000	250,000	0	0	0	115,000
Energy, Department of	1,283,426	736,258	547,168	0	0	0	0
Environmental Quality, Department of	146,816	139,434	7,382	0	0	0	0
Forensic Science, Department of	1,067,190	180,165	887,025	0	0	0	0
Forestry, Department of	481,630	370,635	110,995	0	0	0	0
Innovation Partnership Corporation	2,366,008	381,720	1,984,288	0	0	0	0
Institute for Advanced Learning and Research	68,000	0	68,000	0	0	0	0
Marine Resources Commission	558,126	558,126	0	0	0	0	0

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		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
Natural History, Museum of	1,001,282	0	973,629	27,653	0	0	0
Rail and Public Transportation	879,284	52,958	826,326	0	0	0	0
Social Services, Department of	1,050,000	525,000	525,000	0	0	0	0
Transportation, Department of	9,341,820	2,805,591	6,536,229	0	0	0	0
Wildlife Resources, Department of	1,630,477	1,035,358	345,119	250,000	0	0	0
Washington	26,263,518	7,809,141	17,063,967	1,280,367	110,043	0	0
Ecology, Department of	2,156,422	465,218	1,684,604	0	6,600	0	0
Fish and Wildlife, Department of	10,756,073	4,098,904	5,496,274	1,064,071	96,824	0	0
Health, Department of	1,202,000	853,000	349,000	0	0	0	0
Labor and Industries, Department of	3,337,518	489,824	2,847,694	0	0	0	0
Natural Resources, Department of	6,748,718	495,313	6,030,490	216,296	6,619	0	0
Puget Sound Partnership	115,000	45,000	70,000	0	0	0	0
Transportation, Department of	1,627,400	1,346,000	281,400	0	0	0	0
Tree Fruit Research Commission	320,387	15,882	304,505	0	0	0	0
West Virginia	4,773,515	2,257,270	2,516,245	0	0	0	0
Agriculture, Department of	43,500	43,500	0	0	0	0	0
Geological and Economic Survey	2,094,323	198,989	1,895,334	0	0	0	0
Higher Education Policy Commission	196,339	196,339	0	0	0	0	0
Justice and Community Services, Division of Administrative Services	105,395	55,000	50,395	0	0	0	0
Natural Resources, Division of	2,074,488	1,555,866	518,622	0	0	0	0
Transportation, Department of	259,470	207,576	51,894	0	0	0	0
Wisconsin	5,377,653	4,410,314	967,339	0	0	0	0
Natural Resources, Department of	5,100,602	4,188,673	911,929	0	0	0	0
Transportation, Department of	277,051	221,641	55,410	0	0	0	0
Wyoming	4,237,727	1,480,607	2,734,808	22,312	0	0	0
Enhanced Oil Recovery Institute	476,536	235,472	241,064	0	0	0	0
Game and Fish Department	1,563,972	1,116,335	425,325	22,312	0	0	0
State Geological Survey	2,095,403	47,347	2,048,056	0	0	0	0
Transportation, Department of	101,816	81,453	20,363	0	0	0	0
Puerto Rico <sup>b</sup>	30,716,521	17,691,128	13,025,393	0	0	0	0
Comprehensive Cancer Center	9,702,293	0	9,702,293	0	0	0	0
Health, Department of	17,000,000	17,000,000	0	0	0	0	0
Innovation and Technology Services	1,905,123	0	1,905,123	0	0	0	0
Institute of Statistics	1,615,810	197,833	1,417,977	0	0	0	0
Science, Technology and Research Trust	493,295	493,295	0	0	0	0	0

<sup>a</sup> U.S. total reflects all 50 states and the District of Columbia.

<sup>b</sup> Puerto Rico is not included in U.S. total due to its classification as a U.S. territory.

**Note(s):**

Intramural performers include a department's or agency's own employees who perform R&D and services performed by others in support of an internal R&D project.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2023.