

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2023

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
United States ^c	3,034,601,074	741,613,066	2,292,988,008	33,914,350	23,760,554	10,153,796
Alabama	83,778,649	8,885,851	74,892,798	0	0	0
Commerce, Department of	54,419,133	0	54,419,133	0	0	0
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	2,637,830	0	2,637,830	0	0	0
Economic and Community Affairs, Department of	3,255,511	0	3,255,511	0	0	0
Education, Department of	6,883,453	989,326	5,894,127	0	0	0
Forensic Sciences, Department of	231,757	231,757	0	0	0	0
Geological Survey	2,971,380	2,971,380	0	0	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	3,913,492	3,913,492	0	0	0	0
Supercomputer Authority	4,204,072	0	4,204,072	0	0	0
Transportation, Department of	5,262,021	779,896	4,482,125	0	0	0
Alaska	19,451,112	14,118,929	5,332,183	0	0	0
Energy Authority	242,896	0	242,896	0	0	0
Environmental Conservation, Department of	192,715	137,502	55,213	0	0	0
Housing Finance Corporation	500,000	0	500,000	0	0	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	12,212,300	12,212,300	0	0	0	0
Railroad Corporation	3,098,866	1,221,457	1,877,409	0	0	0
Seafood Marketing Institute	74,015	0	74,015	0	0	0
Transportation and Public Facilities, Department of	3,130,320	547,670	2,582,650	0	0	0
Arizona	14,011,612	2,901,013	11,110,599	0	0	0
Agriculture, Department of	1,943,155	0	1,943,155	0	0	0
Deaf and Hard of Hearing	115,000	0	115,000	0	0	0
Game and Fish Department	1,419,872	1,299,872	120,000	0	0	0
Health Services, Department of	7,868,651	0	7,868,651	0	0	0
Juvenile Corrections, Department of	600,000	600,000	0	0	0	0
Transportation, Department of	2,064,934	1,001,141	1,063,793	0	0	0
Arkansas	9,521,076	391,998	9,129,078	0	0	0
Beef Council	76,605	0	76,605	0	0	0
Corn and Grain Sorghum Promotion Board	965,315	0	965,315	0	0	0
Economic Development Commission	605,749	0	605,749	0	0	0
Game and Fish Commission	1,966,097	248,065	1,718,032	0	0	0
Midwest Dairy Association, Arkansas Division	7,425	0	7,425	0	0	0
Natural Heritage Commission	208,588	102,653	105,935	0	0	0
Rice Research and Promotion Board	2,500,050	0	2,500,050	0	0	0
Soybean Promotion Board	1,221,170	0	1,221,170	0	0	0
Transportation, Department of	1,936,385	41,280	1,895,105	0	0	0
Wheat Promotion Board	33,692	0	33,692	0	0	0
California	594,541,351	97,801,248	496,740,103	0	0	0
Air Resources Board	17,641,553	10,629,196	7,012,357	0	0	0
Coachella Valley Mountains	215,912	0	215,912	0	0	0
Conservation, Department of	1,490,818	1,166,321	324,497	0	0	0
Corrections and Rehabilitation, Department of	6,466,366	0	6,466,366	0	0	0
Covered California	5,765,443	0	5,765,443	0	0	0
Dairy Council	69,421	0	69,421	0	0	0
Delta Stewardship Council	5,138,976	0	5,138,976	0	0	0
Emergency Services Governor's Office	2,020,000	120,000	1,900,000	0	0	0
Energy Commission	170,673,193	36,001,202	134,671,991	0	0	0

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(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Environmental Health Hazard Assessment, Office of	25,263,123	18,194,997	7,068,126	0	0	0
First 5 California (Children and Families Commission)	6,000,000	0	6,000,000	0	0	0
Food and Agriculture, Department of	6,187,795	0	6,187,795	0	0	0
Forestry and Fire Protection, Department of	16,600,000	2,600,000	14,000,000	0	0	0
Horse Racing Board	976,291	0	976,291	0	0	0
Housing and Community Development, Department of	79,000	79,000	0	0	0	0
Institute for Regenerative Medicine	152,261,013	0	152,261,013	0	0	0
Motor Vehicles, Department of	1,714,131	1,696,942	17,189	0	0	0
Parks And Recreation, Department of	3,297,362	0	3,297,362	0	0	0
Pesticide Regulation, Department of	20,772,486	13,757,992	7,014,494	0	0	0
Public Health, Department of	8,500,000	0	8,500,000	0	0	0
Public Utilities Commission, Executive Division	55,035,940	0	55,035,940	0	0	0
Resources Recycling and Recovery, Department of	250,112	0	250,112	0	0	0
San Diego River Conservancy	495,155	0	495,155	0	0	0
State Coastal Conservancy	751,289	0	751,289	0	0	0
State Water Resources Control Board	24,800,361	0	24,800,361	0	0	0
Toxic Substances Control, Department of	221,058	221,058	0	0	0	0
Transportation, Department of	49,446,825	13,234,540	36,212,285	0	0	0
Water Resources, Department of	12,407,728	100,000	12,307,728	0	0	0
Colorado	39,665,229	10,548,105	29,117,124	0	0	0
Agriculture, Department of	362,802	337,677	25,125	0	0	0
Economic Development and International Trade, Office of	22,767,255	0	22,767,255	0	0	0
Higher Education Competitive Research Authority	1,843,141	0	1,843,141	0	0	0
Natural Resources, Department of	6,892,590	6,826,610	65,980	0	0	0
Public Health and Environment, Department of	3,439,025	2,642,560	796,465	0	0	0
Transportation, Department of	4,153,335	741,258	3,412,077	0	0	0
Wine Industry Development Board	207,081	0	207,081	0	0	0
Connecticut	55,924,506	29,335,244	26,589,262	0	0	0
Agricultural Experiment Station	14,165,952	14,165,952	0	0	0	0
Energy and Environmental Protection, Department of	8,086,000	7,188,455	897,545	0	0	0
Innovation Inc.	22,043,617	0	22,043,617	0	0	0
Mental Health and Addiction Services, Department of	7,079,816	7,079,816	0	0	0	0
Social Services, Department of	641,305	391,305	250,000	0	0	0
Transportation, Department of	3,907,816	509,716	3,398,100	0	0	0
Delaware	3,584,063	1,600,464	1,983,599	0	0	0
Geological Survey	1,651,264	1,600,464	50,800	0	0	0
Natural Resources and Environmental Control, Department of	488,092	0	488,092	0	0	0
Sustainable Energy Utility	50,500	0	50,500	0	0	0
Transportation, Department of	1,394,207	0	1,394,207	0	0	0
District of Columbia	10,563,918	7,041,016	3,522,902	0	0	0
Energy and Environment, Department of	348,077	0	348,077	0	0	0
Health, Department of	7,909,103	5,929,590	1,979,513	0	0	0
Transportation, Department of	806,738	111,426	695,312	0	0	0
Water and Sewer Authority	1,500,000	1,000,000	500,000	0	0	0
Florida	222,882,689	53,921,437	168,961,252	6,717,144	6,717,144	0
Agriculture and Consumer Services, Department of	22,629,310	1,089,702	21,539,608	0	0	0
Citrus, Department of	2,067,852	93,920	1,973,932	0	0	0
Environmental Protection, Department of	60,125	0	60,125	0	0	0

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(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Fish and Wildlife Conservation Commission	60,990,297	51,516,677	9,473,620	3,080,144	3,080,144	0
Gaming Control Commission	100,000	0	100,000	0	0	0
Health, Department of	121,558,745	0	121,558,745	0	0	0
Space Florida	1,110,000	0	1,110,000	0	0	0
Transportation, Department of	14,366,360	1,221,138	13,145,222	3,637,000	3,637,000	0
Georgia	20,739,193	2,930,709	17,808,484	0	0	0
Commodity Commission, Agriculture, Department of	2,513,762	0	2,513,762	0	0	0
Natural Resources, Department of	2,297,557	0	2,297,557	0	0	0
Southern States Energy Board	9,213,432	2,930,709	6,282,723	0	0	0
Transportation, Department of	6,714,442	0	6,714,442	0	0	0
Hawaii	5,280,407	628,842	4,651,565	0	0	0
Agriculture, Department of	652,670	198,717	453,953	0	0	0
Business, Economic Development, and Tourism, Department of	2,447,125	430,125	2,017,000	0	0	0
Land and Natural Resources, Department of	445,210	0	445,210	0	0	0
Transportation, Department of	1,735,402	0	1,735,402	0	0	0
Idaho	18,670,602	7,349,090	11,321,512	669,265	0	669,265
Agriculture, Department of	1,020,066	0	1,020,066	0	0	0
Barley Commission	254,646	0	254,646	0	0	0
Bean Commission	33,575	0	33,575	0	0	0
Commerce, Department of	784,945	0	784,945	0	0	0
Dairy West	2,843,786	0	2,843,786	549,265	0	549,265
Fish and Game, Department of	9,232,224	7,136,173	2,096,051	0	0	0
Oilseed Commission	66,548	0	66,548	0	0	0
Pea and Lentil Commission	61,179	0	61,179	0	0	0
Potato Commission	650,880	0	650,880	0	0	0
Transportation Department	2,832,749	212,917	2,619,832	0	0	0
Wheat Commission	890,004	0	890,004	120,000	0	120,000
Illinois	45,907,372	554,067	45,353,305	670,186	335,093	335,093
Children and Family Services, Department of	2,814,959	0	2,814,959	0	0	0
Great Lakes - St. Lawrence River Basin	100,000	0	100,000	0	0	0
Midwest Dairy Association, Illinois Division	15,345	0	15,345	0	0	0
Natural Resources, Department of	27,317,164	0	27,317,164	0	0	0
Nature Preserves Commission	1,065,000	0	1,065,000	0	0	0
Nutrient Research and Education Council	3,844,915	0	3,844,915	0	0	0
Public Health, Department of	516,000	0	516,000	0	0	0
Transportation, Department of	10,233,989	554,067	9,679,922	670,186	335,093	335,093
Indiana	24,179,311	1,902,083	22,277,228	0	0	0
Economic Development Corporation	9,961,588	0	9,961,588	0	0	0
Natural Resources, Department of	4,366,329	1,828,814	2,537,515	0	0	0
Transportation, Department of	9,851,394	73,269	9,778,125	0	0	0
Iowa	9,809,708	1,366,776	8,442,932	0	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	632,002	632,002	0	0	0	0
Midwest Dairy Association, Iowa Division	113,850	0	113,850	0	0	0
Natural Resources, Department of	1,945,868	734,774	1,211,094	0	0	0
Transportation, Department of	7,117,988	0	7,117,988	0	0	0
Kansas	10,364,853	2,166,223	8,198,630	0	0	0
Corn Commission	375,941	0	375,941	0	0	0
Grain Sorghum Commission	553,341	0	553,341	0	0	0

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	All	Intramural	Extramural	All	Intramural	Extramural
Midwest Dairy Association, Kansas Division	13,860	0	13,860	0	0	0
Soybean Commission	1,400,000	0	1,400,000	0	0	0
State Board of Regents	1,000,314	7,049	993,265	0	0	0
Sunflower Commission	11,248	0	11,248	0	0	0
Transportation, Department of	3,882,450	1,290,541	2,591,909	0	0	0
Water Office	1,805,720	868,633	937,087	0	0	0
Wheat Commission	1,321,979	0	1,321,979	0	0	0
Kentucky	37,765,916	4,842,218	32,923,698	0	0	0
Economic Development, Cabinet for	3,126,802	0	3,126,802	0	0	0
Fish and Wildlife Resources, Department of	7,566,970	4,794,264	2,772,706	0	0	0
Horse Racing Commission	140,153	0	140,153	0	0	0
Nature Preserves, Office of Kentucky	55,409	47,954	7,455	0	0	0
Postsecondary Education, Council on	11,029,618	0	11,029,618	0	0	0
Public Health, Department for	7,256,093	0	7,256,093	0	0	0
Soybean Promotion Board	502,893	0	502,893	0	0	0
Transportation Cabinet	8,087,978	0	8,087,978	0	0	0
Louisiana	31,663,714	10,567,296	21,096,418	0	0	0
Board of Regents	12,395,006	0	12,395,006	0	0	0
Coastal Protection and Restoration Authority	3,791,442	524,674	3,266,768	0	0	0
Transportation and Development, Department of	8,500,000	4,250,000	4,250,000	0	0	0
Wildlife and Fisheries, Department of	6,977,266	5,792,622	1,184,644	0	0	0
Maine	47,576,007	12,319,129	35,256,878	631,650	43,316	588,334
Agriculture, Conservation and Forestry, Department of	1,697,100	1,466,400	230,700	0	0	0
Aquaculture Innovation Center	587,473	587,473	0	0	0	0
Inland Fisheries and Wildlife, Department of	1,776,000	1,659,000	117,000	0	0	0
Marine Resources, Department of	2,790,668	2,663,978	126,690	0	0	0
MDI Biological Laboratory, Center for Biomedical Innovation	7,615,174	5,457,951	2,157,223	43,316	43,316	0
Technology Institute	31,923,642	0	31,923,642	588,334	0	588,334
Transportation, Department of	1,185,950	484,327	701,623	0	0	0
Maryland	46,489,603	622,465	45,867,138	0	0	0
Energy Administration	250,000	0	250,000	0	0	0
Health, Department of	15,000,000	0	15,000,000	0	0	0
Natural Resources, Department of	670,841	0	670,841	0	0	0
Technology Development Corporation	28,682,169	0	28,682,169	0	0	0
Transportation, Department of	1,886,593	622,465	1,264,128	0	0	0
Massachusetts	48,424,086	1,690,736	46,733,350	4,932,263	100,000	4,832,263
Clean Energy Technology Center	27,560,771	0	27,560,771	0	0	0
Environmental Protection, Department of	2,125,890	333,963	1,791,927	100,000	100,000	0
Fish and Game, Department of	262,343	26,915	235,428	0	0	0
Gaming Commission	1,363,550	220,350	1,143,200	0	0	0
MassVentures	400,000	200,000	200,000	0	0	0
Mental Health, Department of	2,761,879	0	2,761,879	0	0	0
Public Health, Department of	2,306,457	0	2,306,457	0	0	0
Technology Park Corporation	3,143,796	0	3,143,796	4,832,263	0	4,832,263
Transportation, Department of	7,849,400	609,508	7,239,892	0	0	0
Water Resources Authority	650,000	300,000	350,000	0	0	0
Michigan	22,654,435	143,576	22,510,859	0	0	0
Agriculture and Rural Development, Department of	3,846,005	35,000	3,811,005	0	0	0
Economic Development Corporation	5,000,000	0	5,000,000	0	0	0

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(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Environmental, Great Lakes, and Energy, Department of	4,935,956	108,576	4,827,380	0	0	0
Health and Human Services	2,644,979	0	2,644,979	0	0	0
Transportation, Department of	6,227,495	0	6,227,495	0	0	0
Minnesota	22,732,170	3,138,073	19,594,097	0	0	0
Agriculture, Department of	4,966,177	1,006,689	3,959,488	0	0	0
Forest Resources Council	15,684	0	15,684	0	0	0
Health, Department of	250,000	150,000	100,000	0	0	0
Midwest Dairy Association, Minnesota Division	208,395	0	208,395	0	0	0
Natural Resources, Department of	2,101,074	1,981,384	119,690	0	0	0
Pollution Control Agency	230,894	0	230,894	0	0	0
Transportation, Department of	14,959,946	0	14,959,946	0	0	0
Mississippi	10,030,897	2,030,108	8,000,789	0	0	0
Agriculture and Commerce, Department of	207,791	0	207,791	0	0	0
Environmental Quality, Department of	1,649,886	100,727	1,549,159	0	0	0
Gulf States Marine Fisheries Commission	1,064,916	65,341	999,575	0	0	0
Marine Resources, Department of	1,927,800	1,123,546	804,254	0	0	0
Transportation, Department of	2,763,759	2,444	2,761,315	0	0	0
Wildlife, Fisheries, and Parks, Department of	2,416,745	738,050	1,678,695	0	0	0
Missouri	17,210,400	4,589,925	12,620,475	0	0	0
Agriculture, Department of	1,374,152	0	1,374,152	0	0	0
Conservation, Department of	7,416,216	4,589,925	2,826,291	0	0	0
Mental Health, Department of	242,500	0	242,500	0	0	0
Natural Resources, Department of	250,591	0	250,591	0	0	0
Technology Corporation	3,806,999	0	3,806,999	0	0	0
Transportation, Department of	3,342,278	0	3,342,278	0	0	0
Wine and Grape Board	777,664	0	777,664	0	0	0
Montana	9,956,071	3,806,428	6,149,643	0	0	0
Agriculture, Department of	3,466,168	0	3,466,168	0	0	0
Environmental Quality, Department of	63,976	63,976	0	0	0	0
Fish, Wildlife and Parks, Department of	4,472,983	3,277,294	1,195,689	0	0	0
Natural Resources and Conservation, Department of	68,874	18,077	50,797	0	0	0
Transportation, Department of	1,884,070	447,081	1,436,989	0	0	0
Nebraska	29,171,378	74,500	29,096,878	0	0	0
Agriculture, Department of	1,196,095	0	1,196,095	0	0	0
Corn Board	762,728	0	762,728	0	0	0
Dry Bean Commission	343,193	0	343,193	0	0	0
Economic Development, Department of	4,733,801	0	4,733,801	0	0	0
Game and Parks Commission	2,018,739	0	2,018,739	0	0	0
Grain Sorghum Board	3,000	0	3,000	0	0	0
Health and Human Services, Department of	18,879,659	0	18,879,659	0	0	0
Midwest Dairy Association, Nebraska Division	25,740	0	25,740	0	0	0
Natural Resources, Department of	50,000	0	50,000	0	0	0
Pea And Lentil Commission	30,372	0	30,372	0	0	0
Transportation, Department of	1,088,051	74,500	1,013,551	0	0	0
Wheat Board	40,000	0	40,000	0	0	0
Nevada	4,072,717	256,192	3,816,525	0	0	0
Agriculture, Department of	204,134	204,134	0	0	0	0
Conservation and Natural Resources, Department of	198,678	52,058	146,620	0	0	0
Economic Development, Governor's office of	2,190,905	0	2,190,905	0	0	0
Transportation, Department of	1,479,000	0	1,479,000	0	0	0

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New Hampshire	2,521,016	89,546	2,431,470	0	0	0
Agriculture, Markets and Food, Department of	86,551	0	86,551	0	0	0
Environmental Services, Department of	1,563,535	0	1,563,535	0	0	0
Transportation, Department of	870,930	89,546	781,384	0	0	0
New Jersey	99,832,733	3,917,853	95,914,880	0	0	0
Children and Families, Department of	330,877	132,600	198,277	0	0	0
Community Affairs, Department of	15,489	14,769	720	0	0	0
Corrections, Department of	498,425	498,425	0	0	0	0
Environmental Protection, Department of	7,878,841	2,469,745	5,409,096	0	0	0
Health, Department of	79,121,918	0	79,121,918	0	0	0
Pinelands Commission	797,409	709,097	88,312	0	0	0
Secretary of Higher Education, Office of	8,500,000	0	8,500,000	0	0	0
State Parole Board, New Jersey	93,217	93,217	0	0	0	0
Transportation, Department of	2,596,557	0	2,596,557	0	0	0
New Mexico	2,337,788	781,067	1,556,721	0	0	0
Game and Fish, Department of	1,501,778	475,000	1,026,778	0	0	0
Transportation, Department of	770,937	306,067	464,870	0	0	0
Western State Air Resources Council	65,073	0	65,073	0	0	0
New York	486,576,578	286,453,348	200,123,230	7,250,000	7,250,000	0
Agriculture and Markets, Department of	6,775,611	2,582,000	4,193,611	0	0	0
Economic Development, Department of	98,660,735	0	98,660,735	0	0	0
Energy Research and Development Authority	55,115,891	8,551,208	46,564,683	0	0	0
Environmental Conservation, Department of	11,196,566	4,262,602	6,933,964	0	0	0
Health, Department of	42,199,899	26,751,347	15,448,552	0	0	0
Mental Health, Office of	170,362,799	149,760,923	20,601,876	7,250,000	7,250,000	0
People with Developmental Disabilities, Office of	2,317,096	2,317,096	0	0	0	0
Power Authority	9,265,322	2,975,989	6,289,333	0	0	0
Roswell Park Comprehensive Cancer Center	76,048,189	76,048,189	0	0	0	0
State Museum	11,121,948	10,729,590	392,358	0	0	0
Thoroughbred Breeding and Development Fund Corp	365,189	0	365,189	0	0	0
Transportation, Department of	3,147,333	2,474,404	672,929	0	0	0
North Carolina	36,106,613	16,335,642	19,770,971	1,000,000	1,000,000	0
Agriculture and Consumer Services, Department of	15,422,911	13,922,911	1,500,000	1,000,000	1,000,000	0
Biotechnology Center	7,770,931	0	7,770,931	0	0	0
Natural and Cultural Resources, Department of	2,135,087	1,762,688	372,399	0	0	0
Science Technology & Innovation, Office of	2,048,421	0	2,048,421	0	0	0
Transportation, Department of	8,572,434	650,043	7,922,391	0	0	0
Wine and Grape Growers Council	156,829	0	156,829	0	0	0
North Dakota	25,822,123	981,502	24,840,621	0	0	0
Agriculture, Department of	924,605	0	924,605	0	0	0
Dry Pea and Lentil Commission	257,308	0	257,308	0	0	0
Game and Fish, Department of	659,780	52,550	607,230	0	0	0
Historical Society of North Dakota	1,034,581	893,850	140,731	0	0	0
Industrial Commission	18,378,646	0	18,378,646	0	0	0
Midwest Dairy Association, North Dakota Division	6,435	0	6,435	0	0	0
Soybean Council	1,531,730	0	1,531,730	0	0	0
Transportation, Department of	1,820,328	35,102	1,785,226	0	0	0
Wheat Commission	1,208,710	0	1,208,710	0	0	0
Ohio	117,471,257	641,094	116,830,163	0	0	0
Development, Department of	88,778,286	0	88,778,286	0	0	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2023

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Education & Workforce, Department of	166,000	25,000	141,000	0	0	0
Mental Health and Addictions Services, Department of	20,000,000	0	20,000,000	0	0	0
Natural Resources, Department of	2,230,912	616,094	1,614,818	0	0	0
Transportation, Department of	5,432,652	0	5,432,652	0	0	0
Water Development Authority	863,407	0	863,407	0	0	0
Oklahoma	28,885,260	1,434,856	27,450,404	0	0	0
Advancement of Science and Technology, Center for the	8,294,382	0	8,294,382	0	0	0
Agriculture, Food, and Forestry, Department of	426,689	0	426,689	0	0	0
Grand River Dam Authority	455,000	250,000	205,000	0	0	0
Health, Department of	1,314,070	432,788	881,282	0	0	0
Human Services, Department of	174,930	174,930	0	0	0	0
Midwest Dairy Association, Oklahoma Division	4,950	0	4,950	0	0	0
Tobacco Settlement Endowment Trust	12,280,957	0	12,280,957	0	0	0
Transportation, Department of	4,240,128	573,370	3,666,758	0	0	0
Wildlife Conservation, Department of	1,694,154	3,768	1,690,386	0	0	0
Oregon	40,257,488	19,770,459	20,487,029	0	0	0
Agriculture, Department of	203,998	0	203,998	0	0	0
Business Development Department	12,000,000	0	12,000,000	0	0	0
Education, Department of	456,836	0	456,836	0	0	0
Fish and Wildlife, Department of	16,166,574	14,440,498	1,726,076	0	0	0
Forestry, Department of	700,000	350,000	350,000	0	0	0
Geology and Mineral Industries, Department of	1,118,540	1,118,540	0	0	0	0
Human Services, Department of	3,077,411	2,613,332	464,079	0	0	0
Transportation, Department of	3,836,183	1,049,358	2,786,825	0	0	0
Water Resources Department	1,526,296	188,083	1,338,213	0	0	0
Watershed Enhancement Board	1,171,650	10,648	1,161,002	0	0	0
Pennsylvania	99,487,575	16,987,160	82,500,415	0	0	0
Agriculture, Department of	2,817,440	0	2,817,440	0	0	0
Community and Economic Development, Department of	21,742,628	0	21,742,628	0	0	0
Conservation and Natural Resources, Department of	682,346	149,625	532,721	0	0	0
Environmental Protection, Department of	257,919	4,359	253,560	0	0	0
Fish and Boat Commission	163,584	143,542	20,042	0	0	0
Game Commission	16,916,509	16,509,634	406,875	0	0	0
Health, Department of	54,141,877	0	54,141,877	0	0	0
Susquehanna River Basin Commission	255,000	180,000	75,000	0	0	0
Transportation, Department of	2,510,272	0	2,510,272	0	0	0
Rhode Island	4,635,868	236,546	4,399,322	0	0	0
Commerce Corporation	749,530	0	749,530	0	0	0
Fish and Wildlife; Environmental Management, Department of	1,755,569	0	1,755,569	0	0	0
Marine Fisheries; Environmental Management, Department of	134,234	0	134,234	0	0	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	236,546	236,546	0	0	0	0
Transportation, Department of	1,687,000	0	1,687,000	0	0	0
Water Resources Board	72,989	0	72,989	0	0	0
South Carolina	53,419,952	32,709,409	20,710,543	0	0	0
Agriculture, Department of	1,229,068	0	1,229,068	0	0	0
Disabilities and Special Needs, Department of	12,227,417	0	12,227,417	0	0	0
Health and Environmental Control, Department of	1,824,716	1,824,716	0	0	0	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2023

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Natural Resources, Department of	29,190,303	28,539,233	651,070	0	0	0
Public Service Authority	512,345	0	512,345	0	0	0
Research Authority	2,075,537	0	2,075,537	0	0	0
Sea Grant Consortium	4,121,416	2,333,614	1,787,802	0	0	0
Transportation, Department of	2,239,150	11,846	2,227,304	0	0	0
South Dakota	5,227,211	273,454	4,953,757	500,000	0	500,000
Corn Utilization Council	37,445	0	37,445	0	0	0
Midwest Dairy Association, South Dakota Division	90,090	0	90,090	0	0	0
Nutrient Research and Education Council	1,479,262	0	1,479,262	0	0	0
Oilseeds Council	204,975	0	204,975	0	0	0
Pulse Crop Council	33,610	0	33,610	0	0	0
Soybean Research and Promotion Council	845,866	29,267	816,599	500,000	0	500,000
Transportation, Department of	1,904,042	244,187	1,659,855	0	0	0
Weed and Pest Control Commission	47,000	0	47,000	0	0	0
Wheat Commission	584,921	0	584,921	0	0	0
Tennessee	67,457,255	175,000	67,282,255	0	0	0
Education, Department of	57,171,745	0	57,171,745	0	0	0
Environment and Conservation, Department of	50,851	0	50,851	0	0	0
LaunchTN	7,000,000	0	7,000,000	0	0	0
Transportation, Department of	3,234,659	175,000	3,059,659	0	0	0
Texas	282,261,790	1,993,899	280,267,891	0	0	0
Agriculture, Department of	2,086,663	0	2,086,663	0	0	0
Alzheimer's Research and Care Consortium (TARCC)	4,384,547	0	4,384,547	0	0	0
Cancer Prevention and Research Institute	237,997,927	0	237,997,927	0	0	0
Environmental Quality, Commission on	2,255,204	63,981	2,191,223	0	0	0
Parks and Wildlife Department	5,484,621	1,578,191	3,906,430	0	0	0
State Health Services, Department of	2,257,536	351,727	1,905,809	0	0	0
Transportation, Department of	24,220,565	0	24,220,565	0	0	0
Water Development Board	3,574,727	0	3,574,727	0	0	0
Utah	10,119,476	7,748,094	2,371,382	0	0	0
Agriculture and Food, Department of	1,317	0	1,317	0	0	0
Environmental Quality, Department of	1,036,855	273,553	763,302	0	0	0
Natural Resources, Department of	6,352,113	6,352,113	0	0	0	0
Transportation, Department of	2,729,191	1,122,428	1,606,763	0	0	0
Vermont	2,833,206	2,163,824	669,382	0	0	0
Agriculture, Food, and Markets, Agency of	79,783	0	79,783	0	0	0
Human Services, Agency of	1,818,036	1,698,182	119,854	0	0	0
Transportation, Agency of	935,387	465,642	469,745	0	0	0
Virginia	57,260,560	20,744,159	36,516,401	10,393,687	8,315,001	2,078,686
Agriculture and Consumer Services, Department of	3,066,176	0	3,066,176	0	0	0
Behavioral Health and Developmental Services, Department of	5,100	5,100	0	0	0	0
Commonwealth Health Research Board	1,573,838	0	1,573,838	0	0	0
Education, Department of	1,115,000	865,000	250,000	0	0	0
Energy, Department of	1,321,426	1,283,426	38,000	0	0	0
Environmental Quality, Department of	382,014	146,816	235,198	0	0	0
Forensic Science, Department of	1,067,190	1,067,190	0	78,686	0	78,686
Forestry, Department of	481,630	481,630	0	0	0	0
Foundation for Healthy Youth	907,041	0	907,041	0	0	0
Innovation Partnership Corporation	18,076,226	2,366,008	15,710,218	2,000,000	0	2,000,000

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2023

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Institute for Advanced Learning and Research	68,000	68,000	0	0	0	0
Marine Resources Commission	2,314,260	558,126	1,756,134	0	0	0
Natural History, Museum of	1,001,282	1,001,282	0	0	0	0
Rail and Public Transportation	1,004,284	879,284	125,000	0	0	0
Social Services, Department of	1,050,000	1,050,000	0	0	0	0
Transportation, Department of	15,450,372	9,341,820	6,108,552	0	0	0
Wildlife Resources, Department of	8,376,721	1,630,477	6,746,244	8,315,001	8,315,001	0
Washington	60,479,947	26,263,518	34,216,429	1,150,155	0	1,150,155
Agriculture, Department of	3,880,349	0	3,880,349	0	0	0
Alfalfa Seed Commission	20,000	0	20,000	0	0	0
Asparagus Commission	33,000	0	33,000	0	0	0
Blueberry Commission	77,262	0	77,262	0	0	0
Commerce, Department of	7,387,066	0	7,387,066	1,113,341	0	1,113,341
Dairy Products Commission	20,000	0	20,000	0	0	0
Ecology, Department of	2,886,743	2,156,422	730,321	0	0	0
Fish and Wildlife, Department of	11,115,720	10,756,073	359,647	0	0	0
Fruit Commission	92,424	0	92,424	0	0	0
Grain Commission	2,050,158	0	2,050,158	0	0	0
Health, Department of	1,265,000	1,202,000	63,000	0	0	0
Hop Commission	141,228	0	141,228	36,814	0	36,814
Labor and Industries, Department of	3,337,518	3,337,518	0	0	0	0
Mint Commission	35,289	0	35,289	0	0	0
Natural Resources, Department of	11,714,582	6,748,718	4,965,864	0	0	0
Oilseeds Commission	69,887	0	69,887	0	0	0
Pesticide Registration, Commission on	427,997	0	427,997	0	0	0
Potato Commission	808,462	0	808,462	0	0	0
Puget Sound Partnership	3,615,000	115,000	3,500,000	0	0	0
Pulse Crops Commission	140,077	0	140,077	0	0	0
Red Raspberry Commission	179,481	0	179,481	0	0	0
Transportation, Department of	6,136,300	1,627,400	4,508,900	0	0	0
Tree Fruit Research Commission	4,484,773	320,387	4,164,386	0	0	0
Turfgrass Seed Commission	110,619	0	110,619	0	0	0
Wine Commission	451,012	0	451,012	0	0	0
West Virginia	8,731,717	4,773,515	3,958,202	0	0	0
Agriculture, Department of	43,500	43,500	0	0	0	0
Geological and Economic Survey	2,516,066	2,094,323	421,743	0	0	0
Higher Education Policy Commission	1,832,049	196,339	1,635,710	0	0	0
Justice and Community Services, Division of Administrative Services	105,395	105,395	0	0	0	0
Natural Resources, Division of	2,148,601	2,074,488	74,113	0	0	0
Transportation, Department of	2,086,106	259,470	1,826,636	0	0	0
Wisconsin	16,366,530	5,377,653	10,988,877	0	0	0
Agriculture, Trade and Consumer Protection, Department of	2,384,761	0	2,384,761	0	0	0
Economic Development Corporation	2,096,000	0	2,096,000	0	0	0
Natural Resources, Department of	7,574,828	5,100,602	2,474,226	0	0	0
Transportation, Department of	4,310,941	277,051	4,033,890	0	0	0
Wyoming	9,886,086	4,237,727	5,648,359	0	0	0
Agriculture, Department of	549,736	0	549,736	0	0	0
Business Council	2,010,000	0	2,010,000	0	0	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2023

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b		
	All	Intramural	Extramural	All	Intramural	Extramural
Enhanced Oil Recovery Institute	2,049,753	476,536	1,573,217	0	0	0
Game and Fish Department	1,991,442	1,563,972	427,470	0	0	0
State Geological Survey	2,095,403	2,095,403	0	0	0	0
Transportation, Department of	746,932	101,816	645,116	0	0	0
Water Development Office	442,820	0	442,820	0	0	0
Puerto Rico ^d	47,543,226	30,716,521	16,826,705	1,947,876	1,764,602	183,274
Business Development Office, Economic Development & Commerce	7,190,000	0	7,190,000	0	0	0
Comprehensive Cancer Center	16,142,829	9,702,293	6,440,536	571,650	388,376	183,274
Economic Development & Commerce	528,263	0	528,263	0	0	0
Health, Department of	17,000,000	17,000,000	0	0	0	0
Innovation and Technology Services	3,453,922	1,905,123	1,548,799	0	0	0
Institute of Statistics	1,615,810	1,615,810	0	0	0	0
Science, Technology and Research Trust	1,612,402	493,295	1,119,107	1,376,226	1,376,226	0

^a 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. Extramural performers are those outside the department or agency who perform R&D.

^b State R&D plant expenditures include acquisition of land, facilities, major equipment, and major building renovations intended primarily for R&D use.

^c U.S. total reflects all 50 states and the District of Columbia.

^d Puerto Rico is not included in U.S. total due to its classification as a U.S. territory.

Source(s):

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