

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2022

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
United States ^c	2,643,991,142	696,624,562	1,947,366,580	31,839,778
Alabama	88,219,991	12,081,222	76,138,769	0
Commerce, Department of	63,419,633	0	63,419,633	0
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	1,219,039	0	1,219,039	0
Economic and Community Affairs, Department of	1,693,012	0	1,693,012	0
Education, Department of	6,214,729	4,918,832	1,295,897	0
Forensic Sciences, Department of	208,094	208,094	0	0
Geological Survey	3,563,032	3,563,032	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	3,684,864	3,391,264	293,600	0
Supercomputer Authority	4,553,801	0	4,553,801	0
Transportation, Department of	3,663,787	0	3,663,787	0
Alaska	17,157,228	11,600,345	5,556,883	0
Energy Authority	231,152	0	231,152	0
Environmental Conservation, Department of	534,187	59,405	474,782	0
Housing Finance Corporation	500,000	0	500,000	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	9,216,400	9,216,400	0	0
Railroad Corporation	3,636,619	1,868,960	1,767,659	0
Transportation and Public Facilities, Department of	3,038,870	455,580	2,583,290	0
Arizona	7,946,421	2,039,798	5,906,623	0
Agriculture, Department of	1,412,034	0	1,412,034	0
Game and Fish Department	1,039,447	950,977	88,470	0
Health Services, Department of	3,518,749	0	3,518,749	0
Juvenile Corrections, Department of	561,258	561,258	0	0
Transportation, Department of	1,414,933	527,563	887,370	0
Arkansas	9,759,708	220,653	9,539,055	0
Beef Council	50,605	0	50,605	0
Corn and Grain Sorghum Promotion Board	984,233	0	984,233	0
Economic Development Commission	1,675,000	0	1,675,000	0
Game and Fish Commission	1,159,178	0	1,159,178	0
Midwest Dairy Association, Arkansas Division	10,386	0	10,386	0
Natural Heritage Commission	160,921	154,039	6,882	0
Rice Research and Promotion Board	2,396,257	0	2,396,257	0
Soybean Promotion Board	2,207,956	0	2,207,956	0
Transportation, Department of	1,079,240	66,614	1,012,626	0
Wheat Promotion Board	35,932	0	35,932	0
California	490,081,806	87,712,398	402,369,408	5,700,000
Air Resources Board	17,251,207	10,750,232	6,500,975	0
Children and Families Commission (First 5 California)	7,739,521	482,323	7,257,198	0
Conservation, Department of	1,259,204	838,198	421,006	0
Corrections and Rehabilitation, Department of	2,301,034	0	2,301,034	0
Covered California	3,799,165	0	3,799,165	0
Dairy Council	50,373	0	50,373	0
Delta Stewardship Council	5,201,966	0	5,201,966	0
Earthquake Authority	539,832	537,832	2,000	0
Energy Commission	130,400,000	19,700,000	110,700,000	0
Environmental Health Hazard Assessment, Office of	19,844,985	18,649,950	1,195,035	0
Food and Agriculture, Department of	5,012,081	0	5,012,081	0
Forestry and Fire Protection, Department of	21,200,000	2,500,000	18,700,000	0
Horse Racing Board	710,513	0	710,513	0

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	All	Intramural	Extramural	
Housing and Community Development, Department of	500,000	500,000	0	0
Institute for Regenerative Medicine	122,808,196	0	122,808,196	0
Mental Health Services Oversight and Accountability Commission	2,500,000	2,500,000	0	0
Motor Vehicles, Department of	1,776,392	1,761,138	15,254	0
Parks And Recreation, Department of	1,515,260	0	1,515,260	0
Pesticide Regulation, Department of	14,058,135	10,955,679	3,102,456	0
Public Health, Department of	6,155,476	442,500	5,712,976	0
Public Utilities Commission, Executive Division	61,374,566	0	61,374,566	0
Rehabilitation, Department of	1,619,410	812,759	806,651	0
State Coastal Conservancy	942,260	0	942,260	0
State Water Resources Control Board	8,564,983	740,800	7,824,183	0
Toxic Substances Control, Department of	645,987	645,987	0	0
Transportation, Department of	39,260,000	15,795,000	23,465,000	0
Water Resources, Department of	13,051,260	100,000	12,951,260	5,700,000
Colorado	38,058,349	9,393,492	28,664,857	0
Agriculture, Department of	581,906	353,700	228,206	0
Economic Development and International Trade, Office of	20,576,916	0	20,576,916	0
Higher Education Competitive, Research Authority	1,443,141	0	1,443,141	0
Higher Education, Department of	2,425,000	0	2,425,000	0
Natural Resources, Department of	5,062,623	5,031,147	31,476	0
Public Health and Environment, Department of	3,363,873	2,575,872	788,001	0
Public Safety, Department of; Division of Criminal Justice	985,007	742,007	243,000	0
Transportation, Department of	3,390,841	690,766	2,700,075	0
Wine Industry Development Board	229,042	0	229,042	0
Connecticut	60,578,799	28,200,758	32,378,041	0
Agricultural Experiment Station	13,756,272	13,756,272	0	0
Energy and Environmental Protection, Department of	7,320,822	6,524,227	796,595	0
Innovation Inc.	28,919,435	0	28,919,435	0
Mental Health and Addiction Services, Department of	7,217,443	7,217,443	0	0
Public Health, Department of	1,780	0	1,780	0
Social Services, Department of	391,305	391,305	0	0
Transportation, Department of	2,971,742	311,511	2,660,231	0
Delaware	3,446,375	1,568,167	1,878,208	0
Geological Survey	1,618,967	1,568,167	50,800	0
Natural Resources and Environmental Control, Department of	646,147	0	646,147	0
Sustainable Energy Utility	10,495	0	10,495	0
Transportation, Department of	1,170,766	0	1,170,766	0
District of Columbia	10,560,754	4,320,240	6,240,514	0
Energy and Environment, Department of	476,600	0	476,600	0
Health, Department of	8,244,141	3,194,604	5,049,537	0
Transportation, Department of	340,013	125,636	214,377	0
Water and Sewer Authority	1,500,000	1,000,000	500,000	0
Florida	180,145,644	51,395,556	128,750,088	2,163,105
Agriculture and Consumer Services, Department of	18,305,424	927,308	17,378,116	0
Citrus, Department of	850,364	115,111	735,253	0
Environmental Protection, Department of	68,838	0	68,838	0
Fish and Wildlife Conservation Commission	55,428,229	49,103,851	6,324,378	2,034,470
Gaming Control Commission	100,000	0	100,000	0
Health, Department of	91,360,963	0	91,360,963	0
Space Florida	1,305,000	0	1,305,000	0

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State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Transportation, Department of	12,726,826	1,249,286	11,477,540	128,635
Georgia	24,988,379	2,884,258	22,104,121	0
Natural Resources, Department of	1,452,630	127,945	1,324,685	0
Southern States Energy Board	19,326,825	2,756,313	16,570,512	0
Transportation, Department of	4,208,924	0	4,208,924	0
Hawaii	6,337,851	201,790	6,136,061	5,750,000
Agriculture, Department of	1,098,423	199,748	898,675	0
Business, Economic Development, and Tourism, Department of	2,022,042	2,042	2,020,000	0
Land and Natural Resources, Department of	424,000	0	424,000	0
Natural Energy Laboratory of Hawaii Authority	0	0	0	5,750,000
Transportation, Department of	2,793,386	0	2,793,386	0
Idaho	20,444,262	7,278,248	13,166,014	0
Agriculture, Department of	1,623,399	0	1,623,399	0
Barley Commission	367,497	0	367,497	0
Bean Commission	33,833	0	33,833	0
Beef Council	211,642	0	211,642	0
Commerce, Department of	1,289,693	0	1,289,693	0
Dairy West	2,999,460	0	2,999,460	0
Fish and Game, Department of	9,041,798	7,151,744	1,890,054	0
Oilseed Commission	72,645	0	72,645	0
Pea and Lentil Commission	177,697	0	177,697	0
Potato Commission	878,871	0	878,871	0
Transportation Department	2,467,766	126,504	2,341,262	0
Wheat Commission	1,279,961	0	1,279,961	0
Illinois	16,463,839	554,067	15,909,772	0
Children and Family Services, Department of	2,347,655	0	2,347,655	0
Midwest Dairy Association, Illinois Division	20,772	0	20,772	0
Nutrient Research and Education Council	3,912,499	0	3,912,499	0
Public Health, Department of	400,000	0	400,000	0
Transportation, Department of	9,782,913	554,067	9,228,846	0
Indiana	12,104,856	660,237	11,444,619	0
Economic Development Corporation	3,399,111	0	3,399,111	0
Natural Resources, Department of	852,281	586,968	265,313	0
Transportation, Department of	7,853,464	73,269	7,780,195	0
Iowa	10,636,720	2,912,086	7,724,634	0
Beef Industry Council	60,218	0	60,218	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	626,038	626,038	0	0
Midwest Dairy Association, Iowa Division	119,439	0	119,439	0
Natural Resources, Department of	3,688,099	2,286,048	1,402,051	0
Transportation, Department of	6,142,926	0	6,142,926	0
Kansas	17,633,236	1,500,273	16,132,963	0
Corn Commission	311,744	0	311,744	0
Grain Sorghum Commission	700,000	0	700,000	0
Midwest Dairy Association, Kansas Division	15,579	0	15,579	0
Soybean Commission	1,248,862	0	1,248,862	0
State Board of Regents	997,727	4,462	993,265	0
Sunflower Commission	20,000	0	20,000	0
Transportation, Department of	3,765,115	1,061,231	2,703,884	0
Water Office	1,207,240	434,580	772,660	0
Wheat Commission	2,245,000	0	2,245,000	0

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State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Wildlife and Parks, Department of	7,121,969	0	7,121,969	0
Kentucky	34,881,537	4,434,431	30,447,106	0
Economic Development, Cabinet for	3,447,809	0	3,447,809	0
Fish and Wildlife Resources, Department of	6,989,041	4,428,101	2,560,940	0
Horse Racing Commission	70,000	0	70,000	0
Nature Preserves, Office of Kentucky	42,320	6,330	35,990	0
Postsecondary Education, Council on	11,572,700	0	11,572,700	0
Public Health, Department for	3,767,275	0	3,767,275	0
Soybean Promotion Board	210,727	0	210,727	0
Transportation Cabinet	8,781,665	0	8,781,665	0
Louisiana	31,843,839	10,033,831	21,810,008	0
Board of Regents	12,613,939	0	12,613,939	0
Coastal Protection and Restoration Authority	3,681,012	509,392	3,171,620	0
Transportation and Development, Department of	10,000,000	5,000,000	5,000,000	0
Wildlife and Fisheries, Department of	5,548,888	4,524,439	1,024,449	0
Maine	24,812,470	12,208,306	12,604,164	1,579,462
Agriculture, Conservation and Forestry, Department of	1,889,382	1,682,997	206,385	0
Aquaculture Innovation Center	555,101	435,877	119,224	0
Inland Fisheries and Wildlife, Department of	1,080,841	763,201	317,640	0
Marine Resources, Department of	2,712,300	2,589,300	123,000	0
MDI Biological Laboratory, Center for Biomedical Innovation	9,143,683	6,236,931	2,906,752	386,921
Technology Institute	7,931,163	0	7,931,163	1,192,541
Transportation, Department of	1,500,000	500,000	1,000,000	0
Maryland	31,280,581	864,022	30,416,559	0
Energy Administration	2,000,000	0	2,000,000	0
Health, Department of	15,000,000	0	15,000,000	0
Natural Resources, Department of	410,466	272,429	138,037	0
Technology Development Corporation	11,227,112	0	11,227,112	0
Transportation, Department of	2,643,003	591,593	2,051,410	0
Massachusetts	26,616,423	1,636,998	24,979,425	4,484,231
Clean Energy Technology Center	6,848,706	0	6,848,706	0
Environmental Protection, Department of	1,771,575	278,302	1,493,273	0
Fish and Game, Department of	1,064,180	842,896	221,284	0
Gaming Commission	2,831,240	215,800	2,615,440	0
MassVentures	3,400,000	0	3,400,000	0
Mental Health, Department of	2,306,184	0	2,306,184	0
Public Health, Department of	1,888,570	0	1,888,570	0
Technology Park Corporation	1,805,968	0	1,805,968	4,484,231
Transportation, Department of	4,050,000	0	4,050,000	0
Water Resources Authority	650,000	300,000	350,000	0
Michigan	30,525,914	254,848	30,271,066	0
Agriculture and Rural Development, Department of	3,198,958	68,044	3,130,914	0
Environmental, Great Lakes, and Energy, Department of	438,854	186,804	252,050	0
Health and Human Services	662,258	0	662,258	0
Licensing and Regulatory Affairs	20,000,000	0	20,000,000	0
Transportation, Department of	6,225,844	0	6,225,844	0
Minnesota	25,093,959	3,038,564	22,055,395	0
Agriculture, Department of	5,160,630	996,789	4,163,841	0
Forest Resources Council	75,000	0	75,000	0
Midwest Dairy Association, Minnesota Division	228,492	0	228,492	0

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State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Natural Resources, Department of	2,220,492	2,041,775	178,717	0
Pollution Control Agency	233,164	0	233,164	0
Transportation, Department of	17,176,181	0	17,176,181	0
Mississippi	9,788,541	2,820,168	6,968,373	0
Agriculture and Commerce, Department of	114,017	0	114,017	0
Environmental Quality, Department of	833,599	97,936	735,663	0
Gulf States Marine Fisheries Commission	927,742	91,946	835,796	0
Marine Resources, Department of	2,131,369	1,796,095	335,274	0
Transportation, Department of	3,300,333	100,000	3,200,333	0
Wildlife, Fisheries, and Parks, Department of	2,481,481	734,191	1,747,290	0
Missouri	12,430,684	4,338,958	8,091,726	0
Agriculture, Department of	1,197,350	0	1,197,350	0
Conservation, Department of	7,039,079	4,338,958	2,700,121	0
Mental Health, Department of	242,500	0	242,500	0
Natural Resources, Department of	174,359	0	174,359	0
Technology Corporation	500,000	0	500,000	0
Transportation, Department of	2,646,956	0	2,646,956	0
Wine and Grape Board	630,440	0	630,440	0
Montana	9,752,216	3,400,729	6,351,487	0
Agriculture, Department of	3,359,243	0	3,359,243	0
Environmental Quality, Department of	55,000	55,000	0	0
Fish, Wildlife and Parks, Department of	3,824,321	2,786,890	1,037,431	0
Natural Resources and Conservation, Department of	42,740	36,794	5,946	0
Transportation, Department of	2,470,912	522,045	1,948,867	0
Nebraska	32,687,157	2,114,433	30,572,724	10,000
Agriculture, Department of	880,683	0	880,683	0
Corn Board	798,965	0	798,965	0
Dry Bean Commission	305,376	0	305,376	0
Economic Development, Department of	6,618,124	0	6,618,124	0
Game and Parks Commission	3,935,042	2,021,933	1,913,109	0
Grain Sorghum Board	5,000	0	5,000	0
Health and Human Services, Department of	18,833,700	0	18,833,700	0
Midwest Dairy Association, Nebraska Division	31,158	0	31,158	0
Natural Resources, Department of	50,000	0	50,000	0
Pea And Lentil Commission	1,390	0	1,390	0
Transportation, Department of	1,217,719	92,500	1,125,219	10,000
Wheat Board	10,000	0	10,000	0
Nevada	3,643,395	208,642	3,434,753	0
Agriculture, Department of	208,642	208,642	0	0
Economic Development, Governor's office of	1,327,253	0	1,327,253	0
Transportation, Department of	2,107,500	0	2,107,500	0
New Hampshire	9,222,505	136,953	9,085,552	0
Agriculture, Markets and Food, Department of	43,897	0	43,897	0
Business and Economic Affairs, Department of	7,000,000	0	7,000,000	0
Environmental Services, Department of	1,259,624	0	1,259,624	0
Transportation, Department of	918,984	136,953	782,031	0
New Jersey	65,020,915	3,317,395	61,703,520	0
Agriculture, Department of	180,151	180,151	0	0
Children and Families, Department of	368,019	196,441	171,578	0
Community Affairs, Department of	22,000	5,000	17,000	0

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	All	Intramural	Extramural	
Corrections, Department of	416,034	416,034	0	0
Environmental Protection, Department of	6,493,270	2,122,182	4,371,088	0
Health, Department of	45,343,885	0	45,343,885	0
Pinelands Commission	412,081	351,618	60,463	0
Secretary of Higher Education, Office of	4,500,000	0	4,500,000	0
State Parole Board, New Jersey	45,969	45,969	0	0
Transit, New Jersey	251,362	0	251,362	0
Transportation, Department of	6,988,144	0	6,988,144	0
New Mexico	3,456,227	1,110,427	2,345,800	0
Cultural Affairs, Department of	105,527	105,527	0	0
Game and Fish, Department of	1,765,554	545,000	1,220,554	0
Transportation, Department of	1,400,300	459,900	940,400	0
Western State Air Resources Council	184,846	0	184,846	0
New York	506,283,025	274,950,816	231,332,209	70,000
Agriculture and Markets, Department of	7,728,860	2,365,000	5,363,860	0
Economic Development, Department of	103,874,022	0	103,874,022	0
Energy Research and Development Authority	56,620,719	6,494,503	50,126,216	0
Environmental Conservation, Department of	8,217,418	4,399,864	3,817,554	0
Health, Department of	58,241,006	29,578,789	28,662,217	0
Mental Health, Office of	170,676,444	145,294,992	25,381,452	70,000
People with Developmental Disabilities, Office of	1,682,143	1,682,143	0	0
Power Authority	9,714,648	1,759,883	7,954,765	0
Roswell Park Comprehensive Cancer Center	71,562,773	71,562,773	0	0
State Museum	10,982,258	10,584,848	397,410	0
Thoroughbred Breeding and Development Fund Corp.	405,292	0	405,292	0
Transportation, Department of	6,577,442	1,228,021	5,349,421	0
North Carolina	38,818,576	17,505,611	21,312,965	1,000,000
Agriculture and Consumer Services, Department of	15,422,911	13,922,911	1,500,000	1,000,000
Biotechnology Center	2,841,679	0	2,841,679	0
Environmental Quality, Department of	3,275,157	1,223,587	2,051,570	0
Natural and Cultural Resources, Department of	2,425,310	1,809,113	616,197	0
Science Technology & Innovation, Office of	4,660,090	0	4,660,090	0
Transportation, Department of	10,050,000	550,000	9,500,000	0
Wine and Grape Growers Council	143,429	0	143,429	0
North Dakota	17,874,336	131,121	17,743,215	0
Agriculture, Department of	3,313,396	0	3,313,396	0
Dry Pea and Lentil Commission	282,308	0	282,308	0
Game and Fish, Department of	595,698	0	595,698	0
Historical Society of North Dakota	93,115	93,115	0	0
Industrial Commission	9,398,767	0	9,398,767	0
Midwest Dairy Association, North Dakota Division	5,193	0	5,193	0
Soybean Council	1,622,297	0	1,622,297	0
Transportation, Department of	1,298,374	38,006	1,260,368	0
Wheat Commission	1,265,188	0	1,265,188	0
Ohio	70,471,571	1,106,388	69,365,183	0
Development, Department of	57,980,338	0	57,980,338	0
Education, Department of	180,000	20,000	160,000	0
Environmental Protection Agency	379,412	379,412	0	0
Natural Resources, Department of	3,723,242	706,976	3,016,266	0
Transportation, Department of	6,349,868	0	6,349,868	0

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Water Development Authority	1,858,711	0	1,858,711	0
Oklahoma	27,646,238	1,946,574	25,699,664	0
Advancement of Science and Technology, Center for the	8,629,841	0	8,629,841	0
Agriculture, Food, and Forestry, Department of	443,596	0	443,596	0
Environmental Quality, Department of	345,916	296,338	49,578	0
Grand River Dam Authority	525,000	315,000	210,000	0
Health, Department of	1,053,610	412,095	641,515	0
Human Services, Department of	459,801	459,801	0	0
Midwest Dairy Association, Oklahoma Division	5,193	0	5,193	0
Tobacco Settlement Endowment Trust	10,903,905	0	10,903,905	0
Transportation, Department of	3,568,372	460,033	3,108,339	0
Wildlife Conservation, Department of	1,711,004	3,307	1,707,697	0
Oregon	33,801,166	16,703,743	17,097,423	0
Agriculture, Department of	248,348	0	248,348	0
Business Oregon	11,252,148	0	11,252,148	0
Environmental Quality, Department of	145,000	145,000	0	0
Fish and Wildlife, Department of	14,109,145	11,930,138	2,179,007	0
Forestry, Department of	700,000	350,000	350,000	0
Geology and Mineral Industries, Department of	942,340	942,340	0	0
Human Services, Department of	778,318	778,318	0	0
Transportation, Department of	4,292,580	1,706,746	2,585,834	0
Water Resources Department	1,067,424	843,686	223,738	0
Watershed Enhancement Board	265,863	7,515	258,348	0
Pennsylvania	88,557,830	13,041,479	75,516,351	0
Agriculture, Department of	3,206,582	0	3,206,582	0
Community and Economic Development, Department of	22,100,000	0	22,100,000	0
Conservation and Natural Resources, Department of	505,181	158,742	346,439	0
Environmental Protection, Department of	196,401	46,493	149,908	0
Fish and Boat Commission	348,312	272,099	76,213	0
Game Commission	12,697,359	12,444,145	253,214	0
Health, Department of	46,483,760	0	46,483,760	0
Susquehanna River Basin Commission	130,000	120,000	10,000	0
Transportation, Department of	2,890,235	0	2,890,235	0
Rhode Island	8,361,413	5,438,324	2,923,089	0
Commerce Corporation	986,076	0	986,076	0
Fish and Wildlife; Environmental Management, Department of	4,044,625	3,183,962	860,663	0
Marine Fisheries; Environmental Management, Department of	2,169,953	1,905,103	264,850	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	181,937	181,937	0	0
Transportation, Department of	900,000	150,000	750,000	0
Water Resources Board	78,822	17,322	61,500	0
South Carolina	50,056,315	29,595,672	20,460,643	2,000,000
Agriculture, Department of	1,180,047	0	1,180,047	0
Disabilities and Special Needs, Department of	11,798,260	0	11,798,260	2,000,000
Health and Environmental Control, Department of	1,146,936	1,146,936	0	0
Mental Health, Department of	39,467	39,467	0	0
Natural Resources, Department of	26,580,926	26,296,034	284,892	0
Public Service Authority	512,345	0	512,345	0
Research Authority	3,197,270	0	3,197,270	0
Sea Grant Consortium	3,144,115	2,096,811	1,047,304	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2022

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Transportation, Department of	2,456,949	16,424	2,440,525	0
South Dakota	4,595,753	237,313	4,358,440	500,000
Corn Utilization Council	50,000	0	50,000	0
Midwest Dairy Association, South Dakota Division	67,509	0	67,509	0
Nutrient Research and Education Council	972,936	0	972,936	0
Oilseeds Council	352,798	0	352,798	0
Pulse Crop Council	31,390	0	31,390	0
Soybean Research and Promotion Council	449,642	14,068	435,574	500,000
Transportation, Department of	2,109,493	223,245	1,886,248	0
Weed and Pest Control Commission	47,000	0	47,000	0
Wheat Commission	514,985	0	514,985	0
Tennessee	38,959,330	314,273	38,645,057	0
Education, Department of	26,245,253	0	26,245,253	0
Environment and Conservation, Department of	314,273	314,273	0	0
LaunchTN	7,000,000	0	7,000,000	0
Transportation, Department of	5,399,804	0	5,399,804	0
Texas	247,609,284	2,368,161	245,241,123	0
Agriculture, Department of	1,353,356	0	1,353,356	0
Alzheimer's Research and Care Consortium (TARCC)	4,384,547	0	4,384,547	0
Cancer Prevention and Research Institute	208,262,268	0	208,262,268	0
Environmental Quality, Commission on	1,490,243	0	1,490,243	0
Parks and Wildlife Department	4,445,763	1,811,293	2,634,470	0
State Health Services, Department of	1,965,537	556,868	1,408,669	0
Transportation, Department of	24,982,335	0	24,982,335	0
Water Development Board	725,235	0	725,235	0
Utah	8,837,531	6,375,939	2,461,592	0
Agriculture And Food, Department Of	305,965	0	305,965	0
Environmental Quality, Department of	618,560	131,217	487,343	0
Natural Resources, Department of	5,228,943	5,228,943	0	0
Transportation, Department of	2,684,063	1,015,779	1,668,284	0
Vermont	1,460,157	1,170,646	289,511	0
Agriculture, Food, and Markets, Agency of	63,773	0	63,773	0
Human Services, Agency of	553,199	553,199	0	0
Transportation, Agency of	843,185	617,447	225,738	0
Virginia	40,253,504	15,546,707	24,706,797	50,400
Agriculture and Consumer Services, Department of	2,949,439	0	2,949,439	0
Behavioral Health And Developmental Services, Department of	1,240	1,240	0	0
Commonwealth Health Research Board	1,249,650	0	1,249,650	0
Education, Department of	1,115,000	865,000	250,000	0
Energy, Department of	1,629,726	1,600,703	29,023	0
Environmental Quality, Department of	347,705	189,776	157,929	0
Forensic Science, Department of	1,016,000	1,016,000	0	50,400
Forestry, Department of	610,930	610,930	0	0
Foundation for Healthy Youth	808,437	0	808,437	0
Innovation Partnership Corporation	10,980,762	1,695,306	9,285,456	0
Institute for Advanced Learning and Research	73,000	73,000	0	0
Marine Resources Commission	1,990,284	330,022	1,660,262	0
Natural History, Museum of	856,356	856,356	0	0
Rail And Public Transportation	260,000	0	260,000	0
Social Services, Department of	1,000,000	1,000,000	0	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2022

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Transportation, Department of	13,652,178	7,308,374	6,343,804	0
Wildlife Resources, Department of	1,712,797	0	1,712,797	0
Washington	60,886,219	24,507,566	36,378,653	8,532,580
Agriculture, Department of	3,415,009	0	3,415,009	0
Alfalfa Seed Commission	20,000	0	20,000	0
Asparagus Commission	40,000	0	40,000	0
Blueberry Commission	217,000	0	217,000	0
Commerce, Department of	14,792,431	0	14,792,431	8,495,766
Cranberry Commission	15,880	0	15,880	0
Dairy Products Commission	80,000	0	80,000	0
Ecology, Department of	1,353,380	1,312,992	40,388	0
Fish and Wildlife, Department of	11,727,293	11,593,810	133,483	0
Fruit Commission	97,789	0	97,789	0
Grain Commission	2,046,962	0	2,046,962	0
Health, Department of	1,265,000	1,202,000	63,000	0
Hop Commission	134,868	0	134,868	36,814
Labor and Industries, Department of	3,221,766	3,221,766	0	0
Mint Commission	32,739	0	32,739	0
Natural Resources, Department of	7,767,429	5,269,465	2,497,964	0
Oilseeds Commission	120,538	0	120,538	0
Pesticide Registration, Commission on	405,000	0	405,000	0
Potato Commission	895,660	0	895,660	0
Puget Sound Partnership	2,512,800	12,800	2,500,000	0
Pulse Crops Commission	124,303	0	124,303	0
Red Raspberry Commission	180,470	0	180,470	0
Transportation, Department of	4,527,700	1,559,500	2,968,200	0
Tree Fruit Research Commission	5,231,737	335,233	4,896,504	0
Turfgrass Seed Commission	157,209	0	157,209	0
Wine Commission	503,256	0	503,256	0
West Virginia	9,180,282	3,803,985	5,376,297	0
Agriculture, Department of	244,126	244,126	0	0
Geological and Economic Survey	2,053,431	1,772,083	281,348	0
Higher Education Policy Commission	2,748,699	171,450	2,577,249	0
Natural Resources, Department of	1,874,026	1,616,326	257,700	0
Transportation, Department of	2,260,000	0	2,260,000	0
Wisconsin	19,060,693	5,209,332	13,851,361	0
Agriculture, Trade and Consumer Protection, Department of	2,539,311	0	2,539,311	0
Economic Development Corporation	5,256,575	0	5,256,575	0
Natural Resources, Department of	7,047,780	4,804,163	2,243,617	0
Transportation, Department of	4,217,027	405,169	3,811,858	0
Wyoming	5,657,338	2,228,619	3,428,719	0
Agriculture, Department of	640,504	0	640,504	0
Business Council	1,011,555	0	1,011,555	0
Enhanced Oil Recovery Institute	1,032,669	423,984	608,685	0
Game and Fish Department	1,658,878	1,472,216	186,662	0
State Geological Survey	235,372	235,372	0	0
Transportation, Department of	768,083	97,047	671,036	0
Water Development Office	310,277	0	310,277	0
Puerto Rico ^d	17,058,786	11,176,340	5,882,446	0
Comprehensive Cancer Center	8,273,926	8,273,926	0	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2022

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Economic Development & Commerce	760,000	0	760,000	0
Innovation & Technology Services	3,555,203	850,000	2,705,203	0
Institute of Statistics	1,462,042	1,462,042	0	0
Mental Health and Anti-Addiction Services Administration	225,000	0	225,000	0
Science, Technology and Research Trust	2,782,615	590,372	2,192,243	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 2022.