

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2021

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
United States ^c	2,471,471,226	673,691,209	1,797,780,017	29,269,916
Alabama	29,812,345	17,295,499	12,516,846	0
Commerce, Department of	3,000,000	0	3,000,000	0
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	2,300,326	707,371	1,592,955	0
Economic & Community Affairs, Department of	533,590	0	533,590	0
Education, Department of	13,196,000	12,449,000	747,000	0
Forensic Sciences, Department of	272,635	272,635	0	0
Geological Survey	2,690,719	2,690,719	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	1,175,774	1,175,774	0	0
Supercomputer Authority	4,432,300	0	4,432,300	0
Transportation, Department of	2,211,001	0	2,211,001	0
Alaska	19,671,388	13,677,498	5,993,890	0
Environmental Conservation, Department of	866,695	38,918	827,777	0
Housing Finance Corporation	500,000	0	500,000	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	9,086,400	9,086,400	0	0
Railroad Corporation	6,685,193	3,999,080	2,686,113	0
Seafood Marketing Institute	26,000	0	26,000	0
Transportation and Public Facilities, Department of	2,507,100	553,100	1,954,000	0
Arizona	15,011,508	3,522,494	11,489,014	0
Agriculture, Department of	1,167,546	0	1,167,546	0
Game and Fish Department	1,585,868	1,205,047	380,821	0
Health Services, Department of	8,467,153	0	8,467,153	0
Juvenile Corrections, Department of	610,954	610,954	0	0
Transportation, Department of	3,179,987	1,706,493	1,473,494	0
Arkansas	9,908,767	170,429	9,738,338	0
Agriculture, Department of	152,420	0	152,420	0
Beef Council	60,406	0	60,406	0
Corn and Grain Sorghum Promotion Board	992,000	0	992,000	0
Economic Development Commission	2,075,000	0	2,075,000	0
Game and Fish Commission	872,648	0	872,648	0
Midwest Dairy Association, Arkansas Division	9,700	0	9,700	0
Natural Heritage Commission	195,378	145,031	50,347	0
Rice Research and Promotion Board	2,775,000	0	2,775,000	0
Soybean Promotion Board	2,400,000	0	2,400,000	0
Transportation, Department of	276,215	25,398	250,817	0
Wheat Promotion Board	100,000	0	100,000	0
California	523,819,635	81,309,690	442,509,945	0
Air Resources Board	16,703,318	9,600,011	7,103,307	0
Children and Families Commission (First 5 California)	4,493,407	0	4,493,407	0
Conservation, Department of	1,508,933	502,000	1,006,933	0
Corrections and Rehabilitation, Department of	1,139,419	0	1,139,419	0
Covered California	3,793,141	0	3,793,141	0
Dairy Council	18,672	0	18,672	0
Delta Stewardship Council	4,093,320	0	4,093,320	0
Energy Commission	230,900,000	23,000,000	207,900,000	0
Environmental Health Hazard Assessment, Office of	17,522,940	16,750,976	771,964	0
Food and Agriculture, Department of	4,686,177	0	4,686,177	0
Forestry and Fire Protection, Department of	5,500,000	0	5,500,000	0

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	All	Intramural	Extramural	
Horse Racing Board	695,130	0	695,130	0
Housing and Community Development, Department of	150,000	0	150,000	0
Institute for Regenerative Medicine	95,739,916	0	95,739,916	0
Mental Health Services Oversight and Accountability Commission	2,500,000	0	2,500,000	0
Motor Vehicles, Department of	1,551,423	1,551,423	0	0
Parks And Recreation, Department of	1,500,000	0	1,500,000	0
Pesticide Regulation, Department of	11,642,098	9,087,241	2,554,857	0
Public Health, Department of	6,089,200	337,200	5,752,000	0
Public Utilities Commission, Executive Division	37,000,000	0	37,000,000	0
Rehabilitation, Department of	2,702,614	348,771	2,353,843	0
Resources Recycling and Recovery, Department of	155,635	0	155,635	0
Social Services, Department of	3,585,336	9,498	3,575,838	0
State Coastal Conservancy	835,489	0	835,489	0
State Water Resources Control Board	5,377,799	1,106,400	4,271,399	0
Toxic Substances Control, Department of	1,887,600	1,887,600	0	0
Transportation, Department of	47,716,505	15,762,848	31,953,657	0
Water Resources, Department of	14,331,563	1,365,722	12,965,841	0
Colorado	38,436,248	11,957,421	26,478,827	0
Agriculture, Department of	676,649	424,585	252,064	0
Economic Development and International Trade, Office of	21,331,814	0	21,331,814	0
Higher Education Competitive, Research Authority	1,748,478	0	1,748,478	0
Natural Resources, Department of	7,530,151	7,505,755	24,396	0
Public Health and Environment, Department of	2,591,744	2,384,904	206,840	0
Public Safety, Department of; Division of Criminal Justice	1,040,036	1,020,036	20,000	0
Transportation, Department of	3,274,866	622,141	2,652,725	0
Wine Industry Development Board	242,510	0	242,510	0
Connecticut	55,050,702	27,217,883	27,832,819	0
Agricultural Experiment Station	13,302,928	13,302,928	0	0
Energy and Environmental Protection, Department of	7,445,420	6,638,597	806,823	0
Innovation Inc.	23,315,658	0	23,315,658	0
Mental Health and Addiction Services, Department of	6,966,358	6,966,358	0	0
Public Health, Department of	20,967	0	20,967	0
Social Services, Department of	1,591,082	0	1,591,082	0
Transportation, Department of	2,408,289	310,000	2,098,289	0
Delaware	3,338,773	1,894,419	1,444,354	0
Geological Survey	1,945,219	1,894,419	50,800	0
Natural Resources and Environmental Control, Department of	257,515	0	257,515	0
Sustainable Energy Utility	46,054	0	46,054	0
Transportation, Department of	1,089,985	0	1,089,985	0
District of Columbia	8,128,666	3,705,656	4,423,010	0
Energy and Environment, Department of	207,000	0	207,000	0
Forensic Sciences, Department of	75,566	75,566	0	0
Health, Department of	5,942,318	2,502,492	3,439,826	0
Transportation, Department of	303,782	127,598	176,184	0
Water and Sewer Authority	1,600,000	1,000,000	600,000	0
Florida	178,360,429	50,793,339	127,567,090	2,646,068
Agriculture and Consumer Services, Department of	16,258,186	1,399,535	14,858,651	0
Business and Professional Regulation, Department of	100,000	0	100,000	0
Citrus, Department of	999,748	119,678	880,070	0

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State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Environmental Protection, Department of	129,087	0	129,087	0
Fish and Wildlife Conservation Commission	57,203,692	47,842,060	9,361,632	2,646,068
Health, Department of	92,142,161	0	92,142,161	0
Space Florida	1,300,000	0	1,300,000	0
Transportation, Department of	10,227,555	1,432,066	8,795,489	0
Georgia	18,798,826	2,016,590	16,782,236	0
Natural Resources, Department of	818,245	171,752	646,493	0
Southern States Energy Board	11,557,770	1,844,838	9,712,932	0
Transportation, Department of	6,422,811	0	6,422,811	0
Hawaii	10,315,823	2,311,413	8,004,410	4,100,000
Agriculture, Department of	484,028	123,148	360,880	0
Business, Economic Development, and Tourism, Department of	2,538,265	2,188,265	350,000	0
Land and Natural Resources, Department of	280,000	0	280,000	0
Natural Energy Laboratory of Hawaii Authority	2,000,000	0	2,000,000	4,100,000
Transportation, Department of	5,013,530	0	5,013,530	0
Idaho	18,210,054	7,124,769	11,085,285	5,000
Agriculture, Department of	336,276	0	336,276	0
Alfalfa and Clover Seed Commission	2,300	0	2,300	0
Barley Commission	210,712	0	210,712	5,000
Bean Commission	40,640	0	40,640	0
Beef Council	123,053	0	123,053	0
Commerce, Department of	1,020,240	0	1,020,240	0
Dairy West	2,805,947	0	2,805,947	0
Environmental Quality, Department of	578,257	0	578,257	0
Fish and Game, Department of	8,895,129	6,988,949	1,906,180	0
Honey Commission	3,500	0	3,500	0
Mint Commission	14,867	14,867	0	0
Oilseed Commission	65,000	0	65,000	0
Pea and Lentil Commission	103,479	0	103,479	0
Potato Commission	747,788	0	747,788	0
Transportation Department	2,095,738	120,953	1,974,785	0
Wheat Commission	1,167,128	0	1,167,128	0
Illinois	16,213,542	554,067	15,659,475	0
Children and Family Services, Department of	2,468,113	0	2,468,113	0
Midwest Dairy Association, Illinois Division	19,400	0	19,400	0
Nutrient Research and Education Council	4,000,000	0	4,000,000	0
Public Health, Department of	295,040	0	295,040	0
Transportation, Department of	9,430,989	554,067	8,876,922	0
Indiana	10,485,205	470,344	10,014,861	0
Economic Development Corporation	1,424,123	0	1,424,123	0
Environmental Management, Department of	16,935	0	16,935	0
Natural Resources, Department of	1,086,728	416,747	669,981	0
St. Joseph River Basin Commission	32,490	0	32,490	0
Transportation, Department of	7,924,929	53,597	7,871,332	0
Iowa	10,579,028	3,091,936	7,487,092	0
Beef Industry Council	58,898	0	58,898	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	472,395	472,395	0	0
Midwest Dairy Association, Iowa Division	111,550	0	111,550	0
Natural Resources, Department of	2,994,029	2,619,541	374,488	0

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State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Transportation, Department of	6,942,156	0	6,942,156	0
Kansas	15,002,554	1,294,643	13,707,911	0
Corn Commission	654,979	0	654,979	0
Grain Sorghum Commission	277,300	0	277,300	0
Midwest Dairy Association, Kansas Division	14,550	0	14,550	0
Soybean Commission	1,200,000	0	1,200,000	0
State Board of Regents	998,754	5,489	993,265	0
Sunflower Commission	20,000	0	20,000	0
Transportation, Department of	3,237,535	968,014	2,269,521	0
Water Office	1,011,797	321,140	690,657	0
Wheat Commission	1,378,000	0	1,378,000	0
Wildlife and Parks, Department of	6,209,639	0	6,209,639	0
Kentucky	29,737,068	1,946,017	27,791,051	0
Behavioral Health, Developmental and Intellectual Disabilities	67,500	0	67,500	0
Economic Development, Cabinet for	3,048,739	0	3,048,739	0
Fish and Wildlife Resources, Department of	2,230,154	1,946,017	284,137	0
Horse Racing Commission	216,983	0	216,983	0
Nature Preserves, Office of Kentucky	175,935	0	175,935	0
Postsecondary Education, Council on	11,086,500	0	11,086,500	0
Public Health, Department for	3,561,572	0	3,561,572	0
Public Service Commission	21,000	0	21,000	0
Soybean Promotion Board	517,000	0	517,000	0
Transportation Cabinet	8,811,685	0	8,811,685	0
Louisiana	32,115,461	9,555,840	22,559,621	0
Agriculture and Forestry, Department of	4,946	0	4,946	0
Board of Regents	13,492,921	0	13,492,921	0
Coastal Protection and Restoration Authority	3,573,798	494,555	3,079,243	0
Transportation and Development, Department of	9,185,327	4,785,327	4,400,000	0
Wildlife and Fisheries, Department of	5,858,469	4,275,958	1,582,511	0
Maine	32,392,463	10,370,488	22,021,975	487,798
Agriculture, Conservation and Forestry, Department of	1,505,860	1,306,030	199,830	0
Inland Fisheries and Wildlife, Department of	1,080,841	763,201	317,640	0
Marine Resources, Department of	2,582,000	2,466,000	116,000	0
MDI Biological Laboratory, Center for Biomedical Innovation	8,048,966	5,335,257	2,713,709	487,798
Technology Institute	17,674,796	0	17,674,796	0
Transportation, Department of	1,500,000	500,000	1,000,000	0
Maryland	28,212,493	878,718	27,333,775	0
Health, Department of	13,500,000	0	13,500,000	0
Natural Resources, Department of	900,754	287,741	613,013	0
Technology Development Corporation	11,600,000	0	11,600,000	0
Transportation, Department of	2,211,739	590,977	1,620,762	0
Massachusetts	23,307,621	1,208,652	22,098,969	6,292,368
Clean Energy Technology Center	5,044,038	0	5,044,038	0
Environmental Protection, Department of	1,771,575	278,302	1,493,273	0
Fish and Game, Department of	915,233	604,975	310,258	0
Gaming Commission	1,480,178	81,600	1,398,578	0
Life Sciences Center	556,868	0	556,868	0
Massventures	3,942,167	0	3,942,167	0
Mental Health, Department of	2,579,520	43,775	2,535,745	0

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State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Public Health, Department of	1,674,277	0	1,674,277	0
Technology Park Corporation	1,176,748	0	1,176,748	6,292,368
Transportation, Department of	3,767,017	0	3,767,017	0
Water Resources Authority	400,000	200,000	200,000	0
Michigan	29,718,391	237,018	29,481,373	0
Agriculture and Rural Development, Department of	1,656,683	0	1,656,683	0
Environmental, Great Lakes, and Energy, Department of	1,249,610	237,018	1,012,592	0
Licensing and Regulatory Affairs	20,000,000	0	20,000,000	0
Transportation, Department of	6,812,098	0	6,812,098	0
Minnesota	22,483,420	2,458,490	20,024,930	0
Agriculture, Department of	5,408,623	876,319	4,532,304	0
Midwest Dairy Association, Minnesota Division	213,400	0	213,400	0
Natural Resources, Department of	1,855,011	1,561,371	293,640	0
Pollution Control Agency	9,888	0	9,888	0
Transportation, Department of	14,996,498	20,800	14,975,698	0
Mississippi	11,143,362	2,005,582	9,137,780	0
Agriculture and Commerce, Department of	152,264	0	152,264	0
Environmental Quality, Department of	1,267,345	105,387	1,161,958	0
Gulf States Marine Fisheries Commission	1,527,915	0	1,527,915	0
Marine Resources, Department of	1,110,829	910,795	200,034	0
Transportation, Department of	5,542,522	218,157	5,324,365	0
Wildlife, Fisheries, and Parks, Department of	1,542,487	771,243	771,244	0
Missouri	14,009,154	6,455,476	7,553,678	0
Agriculture, Department of	273,268	0	273,268	0
Conservation, Department of	9,627,125	6,455,476	3,171,649	0
Mental Health, Department of	242,500	0	242,500	0
Natural Resources, Department of	453,962	0	453,962	0
Technology Corporation	654,232	0	654,232	0
Transportation, Department of	2,120,015	0	2,120,015	0
Wine and Grape Board	638,052	0	638,052	0
Montana	8,447,295	2,846,129	5,601,166	0
Agriculture, Department of	2,841,089	0	2,841,089	0
Environmental Quality, Department of	50,304	50,304	0	0
Fish, Wildlife and Parks, Department of	3,806,115	2,669,435	1,136,680	0
Natural Resources and Conservation, Department of	16,865	0	16,865	0
Transportation, Department of	1,732,922	126,390	1,606,532	0
Nebraska	31,337,947	2,128,727	29,209,220	0
Agriculture, Department of	797,149	0	797,149	0
Corn Board	1,201,594	0	1,201,594	0
Dry Bean Commission	265,487	0	265,487	0
Economic Development, Department of	3,242,710	0	3,242,710	0
Game and Parks Commission	5,125,851	2,037,727	3,088,124	0
Grain Sorghum Board	3,000	0	3,000	0
Health and Human Services, Department of	18,564,076	0	18,564,076	0
Midwest Dairy Association, Nebraska Division	29,100	0	29,100	0
Natural Resources, Department of	50,000	0	50,000	0
Transportation, Department of	1,825,480	91,000	1,734,480	0
Wheat Board	233,500	0	233,500	0
Nevada	4,222,929	237,064	3,985,865	0

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	All	Intramural	Extramural	
Agriculture, Department of	237,064	237,064	0	0
Economic Development, Governor's office of	1,958,195	0	1,958,195	0
Transportation, Department of	2,027,670	0	2,027,670	0
New Hampshire	8,675,207	27,186	8,648,021	0
Agriculture, Markets and Food, Department of	175,563	0	175,563	0
Business and Economic Affairs, Department of	7,275,000	0	7,275,000	0
Environmental Services, Department of	505,937	0	505,937	0
Transportation, Department of	718,707	27,186	691,521	0
New Jersey	12,864,404	3,006,539	9,857,865	0
Children and Families, Department of	250,627	192,394	58,233	0
Community Affairs, Department of	5,000	5,000	0	0
Corrections, Department of	309,449	309,449	0	0
Environmental Protection, Department of	3,398,000	1,997,500	1,400,500	0
Health, Department of	318,305	0	318,305	0
Pinelands Commission	576,457	465,753	110,704	0
Secretary of Higher Education, Office of	2,500,000	0	2,500,000	0
State Parole Board, New Jersey	66,212	36,443	29,769	0
Transit, New Jersey	61,804	0	61,804	0
Transportation, Department of	5,378,550	0	5,378,550	0
New Mexico	3,054,817	1,535,533	1,519,284	0
Cultural Affairs, Department of	108,053	108,053	0	0
Game and Fish, Department of	1,000,000	500,000	500,000	0
Transportation, Department of	1,586,466	927,480	658,986	0
Western State Air Resources Council	360,298	0	360,298	0
New York	417,246,309	259,432,614	157,813,695	2,523,050
Agriculture and Markets, Department of	7,194,600	2,795,000	4,399,600	0
Economic Development, Department of	27,738,133	0	27,738,133	0
Energy Research and Development Authority	58,220,185	7,195,015	51,025,170	0
Environmental Conservation, Department of	11,777,525	4,383,537	7,393,988	0
Health, Department of	65,094,944	34,949,991	30,144,953	0
Mental Health, Office of	151,456,861	131,858,494	19,598,367	520,000
People with Developmental Disabilities, Office of	1,614,170	1,614,170	0	0
Power Authority	14,544,465	1,397,798	13,146,667	503,050
Roswell Park Comprehensive Cancer Center	63,867,651	63,867,651	0	1,500,000
State Museum	10,297,627	9,748,833	548,794	0
Thoroughbred Breeding and Development Fund Corp.	399,308	0	399,308	0
Transportation, Department of	5,040,840	1,622,125	3,418,715	0
North Carolina	36,870,713	17,422,714	19,447,999	1,076,500
Agriculture and Consumer Services, Department of	15,422,911	13,922,911	1,500,000	1,000,000
Biotechnology Center	2,693,795	0	2,693,795	0
Environmental Quality, Department of	3,275,158	1,223,587	2,051,571	0
Golden Leaf, The	0	0	0	76,500
Natural and Cultural Resources, Department of	1,951,431	1,546,672	404,759	0
Science Technology & Innovation, Office of	1,500,000	0	1,500,000	0
Transportation, Department of	11,886,050	729,544	11,156,506	0
Wine and Grape Growers Council	141,368	0	141,368	0
North Dakota	35,139,613	294,748	34,844,865	0
Agriculture, Department of	5,360,395	0	5,360,395	0
Dry Pea and Lentil Commission	253,958	0	253,958	0

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	All	Intramural	Extramural	
Game and Fish, Department of	900,314	0	900,314	0
Historical Society of North Dakota	247,149	232,829	14,320	0
Industrial Commission	24,409,679	0	24,409,679	0
Midwest Dairy Association, North Dakota Division	4,850	0	4,850	0
Soybean Council	1,420,538	0	1,420,538	0
Transportation, Department of	1,204,774	61,919	1,142,855	0
Wheat Commission	1,337,956	0	1,337,956	0
Ohio	55,336,431	1,808,996	53,527,435	9,847
Development, Department of	43,878,812	0	43,878,812	0
Education, Department of	230,700	15,000	215,700	0
Mental Health and Addictions Services, Department of	2,060,000	1,030,000	1,030,000	0
Natural Resources, Department of	2,565,498	763,996	1,801,502	9,847
Rail Development Commission	79,156	0	79,156	0
Transportation, Department of	6,197,692	0	6,197,692	0
Water Development Authority	324,573	0	324,573	0
Oklahoma	55,989,692	2,575,950	53,413,742	0
Advancement of Science and Technology, Center for the	34,830,643	0	34,830,643	0
Agriculture, Food, and Forestry, Department of	327,515	0	327,515	0
Environmental Quality, Department of	217,645	217,645	0	0
Grand River Dam Authority	525,000	315,000	210,000	0
Health, Department of	1,344,978	670,578	674,400	0
Human Services, Department of	566,539	566,539	0	0
Midwest Dairy Association, Oklahoma Division	4,850	0	4,850	0
Tobacco Settlement Endowment Trust	11,931,000	0	11,931,000	0
Transportation, Department of	4,692,262	770,983	3,921,279	0
Wildlife Conservation, Department of	1,549,260	35,205	1,514,055	0
Oregon	37,419,218	16,083,800	21,335,418	2,700,000
Agriculture, Department of	205,647	0	205,647	0
Business Oregon	14,300,000	0	14,300,000	2,700,000
Fish and Wildlife, Department of	12,566,339	11,125,917	1,440,422	0
Forestry, Department of	700,000	350,000	350,000	0
Geology and Mineral Industries, Department of	1,210,168	1,210,168	0	0
Human Services, Department of	2,185,495	2,185,495	0	0
Transportation, Department of	3,638,363	128,939	3,509,424	0
Water Resources Department	1,551,042	1,072,711	478,331	0
Watershed Enhancement Board	1,062,164	10,570	1,051,594	0
Pennsylvania	93,621,093	8,172,000	85,449,093	0
Agriculture, Department of	2,461,164	0	2,461,164	0
Community and Economic Development, Department of	21,500,000	0	21,500,000	0
Conservation and Natural Resources, Department of	309,471	253,240	56,231	0
Environmental Protection, Department of	1,931,821	124,196	1,807,625	0
Fish and Boat Commission	259,114	231,314	27,800	0
Game Commission	7,513,056	7,358,250	154,806	0
Health, Department of	55,000,914	0	55,000,914	0
Susquehanna River Basin Commission	279,000	205,000	74,000	0
Transportation, Department of	4,366,553	0	4,366,553	0
Rhode Island	10,226,630	8,118,721	2,107,909	1,420,067
Commerce Corporation	1,127,624	0	1,127,624	0
Fish and Wildlife; Environmental Management, Department of	5,238,690	4,690,761	547,929	1,420,067

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2021

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Marine Fisheries; Environmental Management, Department of	3,601,968	3,257,112	344,856	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	67,378	67,378	0	0
Transportation, Department of	87,500	0	87,500	0
Water Resources Board	103,470	103,470	0	0
South Carolina	44,557,581	27,709,617	16,847,964	400,000
Agriculture, Department of	1,119,867	0	1,119,867	0
Disabilities and Special Needs, Department of	9,437,880	0	9,437,880	400,000
Health and Environmental Control, Department of	1,314,349	1,204,217	110,132	0
Mental Health, Department of	53,424	53,424	0	0
Natural Resources, Department of	24,893,262	24,621,964	271,298	0
Public Service Authority	424,350	0	424,350	0
Research Authority	2,339,441	0	2,339,441	0
Sea Grant Consortium	2,328,658	1,822,502	506,156	0
Transportation, Department of	2,646,350	7,510	2,638,840	0
South Dakota	3,193,289	359,853	2,833,436	500,000
Corn Utilization Council	150,006	0	150,006	0
Midwest Dairy Association, South Dakota Division	63,050	0	63,050	0
Nutrient Research and Education Council	871,090	0	871,090	0
Oilseeds Council	278,954	0	278,954	0
Pulse Crop Council	4,063	0	4,063	0
Science and Technology Authority	1,968	0	1,968	0
Soybean Research and Promotion Council	342,368	11,255	331,113	500,000
Transportation, Department of	1,178,029	348,598	829,431	0
Weed and Pest Control Commission	43,411	0	43,411	0
Wheat Commission	260,350	0	260,350	0
Tennessee	10,287,206	1,289,255	8,997,951	0
Education, Department of	3,368,383	1,054,099	2,314,284	0
Environment and Conservation, Department of	235,156	235,156	0	0
Transportation, Department of	6,683,667	0	6,683,667	0
Texas	255,731,862	2,686,856	253,045,006	0
Agriculture, Department of	932,510	0	932,510	0
Alzheimer's Research and Care Consortium (TARCC)	4,615,313	0	4,615,313	0
Cancer Prevention and Research Institute	216,766,526	0	216,766,526	0
Environmental Quality, Commission on	1,922,455	41,548	1,880,907	0
Parks and Wildlife Department	6,215,323	2,139,214	4,076,109	0
State Health Services, Department of	1,602,005	506,094	1,095,911	0
Transportation, Department of	20,505,965	0	20,505,965	0
Water Development Board	3,171,765	0	3,171,765	0
Utah	8,316,189	5,326,711	2,989,478	1,000
Environmental Quality, Department of	780,433	75,954	704,479	0
Health, Department of	5,350	5,350	0	0
Natural Resources, Department of	4,215,230	4,215,230	0	0
Transportation, Department of	3,315,176	1,030,177	2,284,999	1,000
Vermont	1,535,157	596,129	939,028	0
Agriculture, Food, and Markets, Agency of	274,477	0	274,477	0
Human Services, Agency of	163,373	163,373	0	0
Transportation, Agency of	1,097,307	432,756	664,551	0
Virginia	44,913,546	16,624,998	28,288,548	788,372

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2021

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Aging and Rehabilitative Services, Department of	128,788	10,076	118,712	0
Agriculture and Consumer Services, Department of	2,821,841	0	2,821,841	0
Commonwealth Health Research Board	1,566,854	0	1,566,854	0
Conservation and Recreation, Department of	467,900	441,900	26,000	0
Education, Department of	2,495,435	518,234	1,977,201	0
Energy, Department of	1,530,387	1,480,387	50,000	0
Environmental Quality, Department of	366,645	11,129	355,516	0
Forensic Science, Department of	1,337,377	1,337,377	0	41,985
Forestry, Department of	701,053	685,865	15,188	0
Foundation for Healthy Youth	787,149	0	787,149	0
Innovative Technology, Center for	11,596,571	992,151	10,604,420	0
Institute for Advanced Learning and Research	57,000	57,000	0	0
Marine Resources Commission	1,847,815	261,607	1,586,208	0
Natural History, Museum of	900,582	900,582	0	64,589
Social Services, Department of	800,000	800,000	0	0
Transportation, Department of	15,943,293	9,128,690	6,814,603	681,798
Wildlife Resources, Department of	1,564,856	0	1,564,856	0
Washington	56,690,210	21,349,303	35,340,907	6,309,062
Agriculture, Department of	3,498,238	0	3,498,238	0
Alfalfa Seed Commission	34,000	0	34,000	0
Commerce, Department of	11,485,246	0	11,485,246	6,309,062
Cranberry Commission	16,000	0	16,000	0
Ecology, Department of	1,398,475	1,082,202	316,273	0
Fish and Wildlife, Department of	11,181,950	11,177,207	4,743	0
Fruit Commission	134,538	0	134,538	0
Grain Commission	1,860,504	0	1,860,504	0
Health, Department of	1,233,000	1,172,000	61,000	0
Hop Commission	272,988	0	272,988	0
Labor and Industries, Department of	3,408,658	3,408,658	0	0
Mint Commission	27,171	0	27,171	0
Natural Resources, Department of	7,587,114	2,469,616	5,117,498	0
Oilseeds Commission	46,152	0	46,152	0
Pesticide Registration, Commission on	357,969	0	357,969	0
Potato Commission	837,892	0	837,892	0
Puget Sound Partnership	850,000	0	850,000	0
Pulse Crops Commission	238,186	0	238,186	0
Red Raspberry Commission	220,248	0	220,248	0
Seed Potato Commission	25,639	0	25,639	0
Transportation, Department of	7,528,900	1,742,600	5,786,300	0
Tree Fruit Research Commission	4,096,282	297,020	3,799,262	0
Turfgrass Seed Commission	107,060	0	107,060	0
Wine Commission	244,000	0	244,000	0
West Virginia	9,013,091	3,378,070	5,635,021	2,500
Agriculture, Department of	166,685	166,685	0	0
Geological and Economic Survey	1,611,208	1,253,631	357,577	0
Higher Education Policy Commission	2,924,776	157,078	2,767,698	0
Natural Resources, Department of	2,052,676	1,800,676	252,000	0
Transportation, Department of	2,257,746	0	2,257,746	2,500
Wisconsin	15,239,075	4,401,850	10,837,225	0

TABLE 17

State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2021

(Dollars)

State and department or agency	R&D performers ^a			R&D plant ^b
	All	Intramural	Extramural	
Agriculture, Trade and Consumer Protection, Department of	1,558,082	0	1,558,082	0
Economic Development Corporation	4,625,125	0	4,625,125	0
Natural Resources, Department of	6,879,700	4,192,800	2,686,900	0
Transportation, Department of	2,176,168	209,050	1,967,118	0
Wyoming	7,278,796	2,753,475	4,525,321	8,284
Agriculture, Department of	531,634	0	531,634	0
Business Council	1,544,835	0	1,544,835	0
Corrections, Department of	123,280	123,280	0	0
Energy Authority	413,533	413,533	0	8,284
Enhanced Oil Recovery Institute	1,126,393	593,746	532,647	0
Game and Fish Department	1,968,341	1,345,407	622,934	0
State Geological Survey	182,179	182,179	0	0
Transportation, Department of	1,105,147	95,330	1,009,817	0
Water Development Office	283,454	0	283,454	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.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2021.