

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
United States ^b	3,344,696,717	188,178,712	503,270,221	615,568,273	1,455,608,217	344,791,030	237,280,264
Alabama	65,159,736	513,012	1,556,686	45,830,380	2,463,376	5,805,616	8,990,666
Commerce, Department of	38,319,907	0	1,000,000	36,319,907	1,000,000	0	0
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	2,735,751	0	0	2,735,751	0	0	0
Economic and Community Affairs, Department of	3,010,094	513,012	168,799	269,894	1,463,376	245,415	349,598
Education, Department of	3,899,855	0	0	0	0	0	3,899,855
Forensic Sciences, Department of	240,688	0	0	0	0	0	240,688
Geological Survey	3,631,424	0	387,887	3,243,537	0	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	3,261,291	0	0	3,261,291	0	0	0
Supercomputer Authority	4,500,525	0	0	0	0	0	4,500,525
Transportation, Department of	5,560,201	0	0	0	0	5,560,201	0
Alaska	18,477,002	178,293	582,223	10,752,476	122,970	6,841,040	0
Energy Authority	82,223	0	82,223	0	0	0	0
Environmental Conservation, Department of	122,970	0	0	0	122,970	0	0
Housing Finance Corporation	500,000	0	500,000	0	0	0	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	10,732,738	0	0	10,732,738	0	0	0
Railroad Corporation	3,007,378	0	0	0	0	3,007,378	0
Seafood Marketing Institute	178,293	178,293	0	0	0	0	0
Transportation and Public Facilities, Department of	3,853,400	0	0	19,738	0	3,833,662	0
Arizona	17,162,845	1,705,901	0	2,131,091	11,719,582	1,389,618	216,653
Agriculture, Department of	1,847,686	1,705,901	0	141,785	0	0	0
Game and Fish Department	1,989,306	0	0	1,989,306	0	0	0
Health Services, Department of	11,719,582	0	0	0	11,719,582	0	0
Juvenile Corrections, Department of	216,653	0	0	0	0	0	216,653
Transportation, Department of	1,389,618	0	0	0	0	1,389,618	0
Arkansas	13,727,825	7,349,137	0	3,181,923	0	198,644	2,998,121
Corn and Grain Sorghum Promotion Board	1,021,996	1,021,996	0	0	0	0	0
Economic Development Commission	2,998,121	0	0	0	0	0	2,998,121
Game and Fish Commission	3,142,997	0	0	3,142,997	0	0	0
Natural Heritage Commission	38,926	0	0	38,926	0	0	0
Rice Research and Promotion Board	2,927,141	2,927,141	0	0	0	0	0
Soybean Promotion Board	3,400,000	3,400,000	0	0	0	0	0
Transportation, Department of	198,644	0	0	0	0	198,644	0
California	800,971,651	12,177,438	295,872,603	70,943,128	359,744,919	53,967,136	8,266,427
Air Resources Board	19,974,359	0	0	19,974,359	0	0	0
Conservation, Department of	3,136,065	0	0	2,285,108	0	0	850,957
Corrections and Rehabilitation, Department of	2,226,717	0	0	0	0	0	2,226,717
Covered California	10,906,729	0	0	0	10,906,729	0	0

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(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Dairy Council	100,000	0	0	0	100,000	0	0
Delta Stewardship Council	4,842,068	0	0	4,842,068	0	0	0
Earthquake Authority	75,000	0	0	0	0	0	75,000
Emergency Services Governor's Office	1,708,673	0	0	0	0	95,270	1,613,403
Energy Commission	246,371,838	0	246,371,838	0	0	0	0
Environmental Health Hazard Assessment, Office of	21,350,349	0	0	0	21,350,349	0	0
First 5 California	6,000,000	0	0	0	3,000,000	0	3,000,000
Food and Agriculture, Department of	6,164,999	6,164,999	0	0	0	0	0
Forestry and Fire Protection, Department of	14,178,000	0	0	14,178,000	0	0	0
Horse Racing Board	1,064,589	1,064,589	0	0	0	0	0
Housing and Community Development, Department of	500,350	0	0	0	0	0	500,350
Institute for Regenerative Medicine	297,497,898	0	0	0	297,497,898	0	0
Motor Vehicles, Department of	2,391,913	0	0	0	2,391,913	0	0
Parks and Recreation, Department of	3,297,352	0	0	3,297,352	0	0	0
Pesticide Regulation, Department of	21,928,190	4,947,850	0	3,427,763	13,552,577	0	0
Public Health, Department of	9,028,453	0	0	0	9,028,453	0	0
Public Utilities Commission, Executive Division	49,500,765	0	49,500,765	0	0	0	0
Resources Recycling and Recovery, Department of	258,397	0	0	258,397	0	0	0
San Diego River Conservancy	1,016,645	0	0	1,016,645	0	0	0
State Coastal Conservancy	850,449	0	0	850,449	0	0	0
State Water Resources Control Board	10,772,717	0	0	8,855,717	1,917,000	0	0
Toxic Substances Control, Department of	249,832	0	0	249,832	0	0	0
Transportation, Department of	53,871,866	0	0	0	0	53,871,866	0
Water Resources, Department of	11,707,438	0	0	11,707,438	0	0	0
Colorado	42,146,785	975,693	2,903,750	11,926,882	6,870,833	5,129,531	14,340,096
Agriculture, Department of	301,916	0	0	0	301,916	0	0
Economic Development and International Trade, Office of	21,935,844	310,000	2,903,750	634,968	5,462,275	0	12,624,851
Higher Education Competitive Research Authority	2,622,484	301,540	0	0	400,000	275,000	1,645,944
Natural Resources, Department of	7,222,995	0	0	7,168,694	0	5,000	49,301
Public Health and Environment, Department of	4,829,862	0	0	4,123,220	706,642	0	0
Transportation, Department of	4,849,531	0	0	0	0	4,849,531	0
Wine Industry Development Board	384,153	364,153	0	0	0	0	20,000
Connecticut	59,935,851	4,887,351	5,700,000	12,644,615	20,465,360	3,566,574	12,671,951
Agricultural Experiment Station	15,285,122	4,887,351	0	5,132,899	5,264,872	0	0
Energy and Environmental Protection, Department of	7,420,806	0	0	7,420,806	0	0	0
Innovation Inc.	26,085,650	0	5,700,000	0	8,405,287	0	11,980,363
Mental Health and Addiction Services, Department of	6,795,201	0	0	0	6,795,201	0	0
Social Services, Department of	691,588	0	0	0	0	0	691,588

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Transportation, Department of	3,657,484	0	0	90,910	0	3,566,574	0
Delaware	3,706,676	0	0	2,281,072	0	1,425,604	0
Geological Survey	1,756,651	0	0	1,744,959	0	11,692	0
Natural Resources and Environmental Control, Department of	536,113	0	0	536,113	0	0	0
Transportation, Department of	1,413,912	0	0	0	0	1,413,912	0
District of Columbia	8,243,133	0	0	1,850,270	5,492,578	496,322	403,963
Energy and Environment, Department of	350,270	0	0	350,270	0	0	0
Health, Department of	5,492,578	0	0	0	5,492,578	0	0
Transportation, Department of	900,285	0	0	0	0	496,322	403,963
Water and Sewer Authority	1,500,000	0	0	1,500,000	0	0	0
Florida	326,433,033	45,123,731	179,287	83,757,827	182,599,063	14,773,125	0
Agriculture and Consumer Services, Department of	54,507,248	42,378,711	179,287	11,379,073	570,177	0	0
Citrus, Department of	3,049,833	2,745,020	0	0	304,813	0	0
Fish and Wildlife Conservation Commission	72,378,754	0	0	72,378,754	0	0	0
Health, Department of	181,724,073	0	0	0	181,724,073	0	0
Space Florida	1,235,000	0	0	0	0	1,235,000	0
Transportation, Department of	13,538,125	0	0	0	0	13,538,125	0
Georgia	28,195,324	2,864,387	13,101,035	3,154,472	0	9,075,430	0
Commodity Commission, Agriculture, Department of	2,864,387	2,864,387	0	0	0	0	0
Natural Resources, Department of	2,390,690	0	0	2,390,690	0	0	0
Southern States Energy Board	13,864,817	0	13,101,035	763,782	0	0	0
Transportation, Department of	9,075,430	0	0	0	0	9,075,430	0
Hawaii	6,358,304	929,873	673,600	1,017,703	108,900	2,937,628	690,600
Agriculture, Department of	748,473	678,473	35,000	35,000	0	0	0
Business, Economic Development, and Tourism, Department of	1,752,000	251,400	638,600	62,500	108,900	0	690,600
Land and Natural Resources, Department of	920,203	0	0	920,203	0	0	0
Transportation, Department of	2,937,628	0	0	0	0	2,937,628	0
Idaho	14,897,781	6,201,382	0	6,062,574	0	2,633,825	0
Agriculture, Department of	844,061	844,061	0	0	0	0	0
Barley Commission	293,740	293,740	0	0	0	0	0
Bean Commission	36,218	36,218	0	0	0	0	0
Dairy West	3,090,000	3,090,000	0	0	0	0	0
Fish and Game, Department of	6,062,574	0	0	6,062,574	0	0	0
Mint Commission	85,171	85,171	0	0	0	0	0
Oilseed Commission	68,064	68,064	0	0	0	0	0
Pea and Lentil Commission	68,766	68,766	0	0	0	0	0
Potato Commission	695,006	695,006	0	0	0	0	0
Transportation Department	2,633,825	0	0	0	0	2,633,825	0

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State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Wheat Commission	1,020,356	1,020,356	0	0	0	0	0
Illinois	17,571,750	0	0	4,623,526	454,000	9,744,978	2,749,246
Children and Family Services, Department of	2,749,246	0	0	0	0	0	2,749,246
Nature Preserves Commission	500,000	0	0	500,000	0	0	0
Nutrient Research and Education Council	4,123,526	0	0	4,123,526	0	0	0
Public Health, Department of	454,000	0	0	0	454,000	0	0
Transportation, Department of	9,744,978	0	0	0	0	9,744,978	0
Indiana	32,777,869	400,000	548,358	2,815,311	0	24,294,542	4,719,658
Economic Development Corporation	7,300,000	0	548,358	0	0	2,031,984	4,719,658
Natural Resources, Department of	3,215,311	400,000	0	2,815,311	0	0	0
Transportation, Department of	22,262,558	0	0	0	0	22,262,558	0
Iowa	14,471,132	492,187	0	4,471,907	0	9,132,038	375,000
Beef Council	438,439	438,439	0	0	0	0	0
Management, Department of Data; Division of Planning and Improvement	375,000	0	0	0	0	0	375,000
Midwest Dairy Association, Iowa Division	53,748	53,748	0	0	0	0	0
Natural Resources, Department of	4,471,907	0	0	4,471,907	0	0	0
Transportation, Department of	9,132,038	0	0	0	0	9,132,038	0
Kansas	12,652,250	3,879,038	234,164	3,907,840	0	3,630,258	1,000,950
Corn Commission	365,705	158,078	99,632	107,995	0	0	0
Grain Sorghum Commission	1,245,590	1,245,590	0	0	0	0	0
Soybean Commission	1,091,882	937,350	134,532	20,000	0	0	0
State Board of Regents	1,000,950	0	0	0	0	0	1,000,950
Sunflower Commission	12,862	12,862	0	0	0	0	0
Transportation, Department of	3,630,258	0	0	0	0	3,630,258	0
Water Office	1,769,184	170,000	0	1,599,184	0	0	0
Wheat Commission	1,355,158	1,355,158	0	0	0	0	0
Wildlife and Parks, Department of	2,180,661	0	0	2,180,661	0	0	0
Kentucky	31,186,521	626,035	360,605	9,036,158	9,479,065	9,991,432	1,693,226
Economic Development, Cabinet for	3,577,283	195,816	360,605	142,396	1,185,240	0	1,693,226
Fish and Wildlife Resources, Department of	8,872,995	0	0	8,872,995	0	0	0
Nature Preserves, Office of Kentucky	20,767	0	0	20,767	0	0	0
Public Health, Department for	8,293,825	0	0	0	8,293,825	0	0
Soybean Promotion Board	430,219	430,219	0	0	0	0	0
Transportation Cabinet	9,991,432	0	0	0	0	9,991,432	0
Louisiana	45,656,537	524,409	851,261	26,537,429	968,435	54,281	16,720,722
Board of Regents	11,486,002	524,409	851,261	622,748	968,435	54,281	8,464,868
Coastal Protection and Restoration Authority	3,981,014	0	0	3,981,014	0	0	0
Transportation and Development, Department of	8,255,854	0	0	0	0	0	8,255,854

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(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Wildlife and Fisheries, Department of	21,933,667	0	0	21,933,667	0	0	0
Maine	41,400,506	10,174,122	0	5,534,422	14,374,011	1,854,258	9,463,693
Agriculture, Conservation and Forestry, Department of	1,766,203	83,167	0	1,683,036	0	0	0
Aquaculture Innovation Center	511,217	511,217	0	0	0	0	0
Inland Fisheries and Wildlife, Department of	2,000,000	0	0	2,000,000	0	0	0
Marine Resources, Department of	1,170,818	0	0	1,170,818	0	0	0
MDI Biological Laboratory, Center for Biomedical Innovation	11,668,074	0	0	161,563	11,506,511	0	0
Technology Institute	22,429,936	9,579,738	0	519,005	2,867,500	0	9,463,693
Transportation, Department of	1,854,258	0	0	0	0	1,854,258	0
Maryland	41,003,629	0	1,000,000	157,000	37,278,524	2,568,105	0
Energy Administration	1,000,000	0	1,000,000	0	0	0	0
Environment, Department of	70,000	0	0	70,000	0	0	0
Health, Department of	15,000,000	0	0	0	15,000,000	0	0
Natural Resources, Department of	87,000	0	0	87,000	0	0	0
Technology Development Corporation	22,278,524	0	0	0	22,278,524	0	0
Transportation, Department of	2,568,105	0	0	0	0	2,568,105	0
Massachusetts	58,755,361	0	33,754,301	3,001,382	7,258,818	8,177,210	6,563,650
Clean Energy Technology Center	33,961,301	0	33,709,301	0	0	0	252,000
Environmental Protection, Department of	2,125,890	0	0	2,125,890	0	0	0
Fish and Game, Department of	280,312	0	0	280,312	0	0	0
Gaming Commission	1,359,461	0	0	0	1,340,711	0	18,750
MassVentures	195,000	0	45,000	0	150,000	0	0
Mental Health, Department of	2,971,914	0	0	0	2,971,914	0	0
Public Health, Department of	2,346,693	0	0	0	2,346,693	0	0
Technology Park Corporation	6,687,580	0	0	245,180	149,500	0	6,292,900
Transportation, Department of	8,177,210	0	0	0	0	8,177,210	0
Water Resources Authority	650,000	0	0	350,000	300,000	0	0
Michigan	16,827,281	3,966,998	404,961	909,155	1,852,096	7,744,071	1,950,000
Agriculture and Rural Development, Department of	3,785,298	3,416,998	0	368,300	0	0	0
Economic Development Corporation	4,500,000	550,000	0	0	1,000,000	1,000,000	1,950,000
Environmental, Great Lakes, and Energy, Department of	1,374,488	0	404,961	540,855	0	428,672	0
Health and Human Services, Department of	852,096	0	0	0	852,096	0	0
Transportation, Department of	6,315,399	0	0	0	0	6,315,399	0
Minnesota	28,917,361	4,660,793	0	6,233,155	0	16,990,060	1,033,353
Agriculture, Department of	7,141,691	4,368,543	0	2,773,148	0	0	0
Employment and Economic Development, Department of	100,000	0	0	0	0	0	100,000
Forest Resources Council	167,362	0	0	167,362	0	0	0
Labor and Industry, Department of	933,353	0	0	0	0	0	933,353

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(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Midwest Dairy Association, Minnesota Division	292,250	292,250	0	0	0	0	0
Natural Resources, Department of	1,828,394	0	0	1,828,394	0	0	0
Pollution Control Agency	40,889	0	0	40,889	0	0	0
Transportation, Department of	18,413,422	0	0	1,423,362	0	16,990,060	0
Mississippi	12,365,286	270,332	0	8,889,870	0	3,205,084	0
Agriculture and Commerce, Department of	270,332	270,332	0	0	0	0	0
Environmental Quality, Department of	902,684	0	0	902,684	0	0	0
Gulf States Marine Fisheries Commission	1,430,001	0	0	1,430,001	0	0	0
Marine Resources, Department of	4,833,162	0	0	4,833,162	0	0	0
Transportation, Department of	3,205,084	0	0	0	0	3,205,084	0
Wildlife, Fisheries, and Parks, Department of	1,724,023	0	0	1,724,023	0	0	0
Missouri	17,580,231	2,040,575	1,979,775	7,637,047	1,893,865	4,028,969	0
Agriculture, Department of	984,588	940,535	0	44,053	0	0	0
Conservation, Department of	6,743,448	0	0	6,743,448	0	0	0
Mental Health, Department of	485,000	0	0	0	485,000	0	0
Midwest Dairy Association, Missouri Division	50,877	50,877	0	0	0	0	0
Natural Resources, Department of	849,546	0	0	849,546	0	0	0
Technology Corporation	3,538,639	149,999	1,979,775	0	1,408,865	0	0
Transportation, Department of	4,028,969	0	0	0	0	4,028,969	0
Wine and Grape Board	899,164	899,164	0	0	0	0	0
Montana	14,667,731	5,587,028	0	7,102,438	0	1,978,265	0
Agriculture, Department of	5,587,028	5,587,028	0	0	0	0	0
Environmental Quality, Department of	206,364	0	0	206,364	0	0	0
Fish, Wildlife and Parks, Department of	6,887,404	0	0	6,887,404	0	0	0
Natural Resources and Conservation, Department of	8,670	0	0	8,670	0	0	0
Transportation, Department of	1,978,265	0	0	0	0	1,978,265	0
Nebraska	31,562,589	3,558,668	218,017	3,232,300	19,898,274	1,788,598	2,866,732
Agriculture, Department of	949,078	949,078	0	0	0	0	0
Corn Board	786,777	590,082	118,017	0	0	78,678	0
Dry Bean Commission	154,550	154,550	0	0	0	0	0
Economic Development, Department of	4,867,332	983,400	100,000	0	917,200	0	2,866,732
Game and Parks Commission	3,146,687	0	0	3,146,687	0	0	0
Grain Sorghum Board	3,000	3,000	0	0	0	0	0
Health and Human Services, Department of	18,981,074	0	0	0	18,981,074	0	0
Natural Resources, Department of	50,000	0	0	50,000	0	0	0
Pea And Lentil Commission	34,292	34,292	0	0	0	0	0
Transportation, Department of	1,745,533	0	0	35,613	0	1,709,920	0
Wheat Board	844,266	844,266	0	0	0	0	0

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

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Nevada	6,811,110	403,079	0	3,285,206	0	1,317,935	1,804,890
Agriculture, Department of	203,079	203,079	0	0	0	0	0
Conservation and Natural Resources, Department of	2,916,818	200,000	0	2,716,818	0	0	0
Economic Development, Governor's office of	2,164,225	0	0	359,335	0	0	1,804,890
Transportation, Department of	1,526,988	0	0	209,053	0	1,317,935	0
New Hampshire	1,257,547	146,922	10,000	149,472	0	871,739	79,414
Agriculture, Markets and Food, Department of	156,922	146,922	10,000	0	0	0	0
Transportation, Department of	1,100,625	0	0	149,472	0	871,739	79,414
New Jersey	114,110,735	0	0	7,671,387	91,773,563	5,097,040	9,568,745
Children and Families, Department of	1,377,857	0	0	0	0	0	1,377,857
Corrections, Department of	544,202	0	0	0	0	0	544,202
Environmental Protection, Department of	8,270,381	0	0	6,888,568	1,381,813	0	0
Health, Department of	90,391,750	0	0	0	90,391,750	0	0
Pinelands Commission	782,819	0	0	782,819	0	0	0
Secretary of Higher Education, Office of	7,500,000	0	0	0	0	0	7,500,000
State Parole Board	146,686	0	0	0	0	0	146,686
Transportation, Department of	5,097,040	0	0	0	0	5,097,040	0
New Mexico	3,543,922	0	0	1,357,029	0	2,106,925	79,968
Game and Fish, Department of	1,129,000	0	0	1,129,000	0	0	0
Transportation, Department of	2,342,423	0	0	155,530	0	2,106,925	79,968
Western State Air Resources Council	72,499	0	0	72,499	0	0	0
New York	472,861,004	13,447,691	66,848,863	35,047,412	306,404,664	4,480,681	46,631,693
Agriculture and Markets, Department of	12,594,295	11,454,999	0	1,139,296	0	0	0
Economic Development, Department of	61,938,660	1,250,000	4,000,000	4,000,000	6,125,000	0	46,563,660
Energy Research and Development Authority	57,430,498	0	53,505,301	3,845,673	0	79,524	0
Environmental Conservation, Department of	12,057,644	0	0	12,057,644	0	0	0
Health, Department of	42,057,299	244,558	0	1,467,348	40,345,393	0	0
Mental Health, Office of	169,554,913	0	0	0	169,554,913	0	0
People with Developmental Disabilities, Office of	2,593,058	0	0	0	2,543,058	0	50,000
Power Authority	10,882,017	76,240	9,343,562	931,482	48,333	464,367	18,033
Roswell Park Comprehensive Cancer Center	87,787,967	0	0	0	87,787,967	0	0
State Museum	11,605,969	0	0	11,605,969	0	0	0
Thoroughbred Breeding and Development Fund Corporation	421,894	421,894	0	0	0	0	0
Transportation, Department of	3,936,790	0	0	0	0	3,936,790	0
North Carolina	39,656,480	13,906,200	1,740,000	4,718,145	8,180,782	10,169,513	941,840
Agriculture and Consumer Services, Department of	14,714,600	13,214,600	1,500,000	0	0	0	0
Biotechnology Center	8,020,782	500,000	0	0	7,520,782	0	0
Environmental Quality, Department of	1,172,150	0	0	1,172,150	0	0	0

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Natural and Cultural Resources, Department of	2,585,696	0	0	2,585,696	0	0	0
Science, Technology & Innovation, Office of	2,011,840	60,000	240,000	110,000	660,000	0	941,840
Transportation, Department of	11,019,812	0	0	850,299	0	10,169,513	0
Wine and Grape Growers Council	131,600	131,600	0	0	0	0	0
North Dakota	39,052,516	3,869,805	30,205,490	1,197,474	914,259	1,539,234	1,326,254
Agriculture, Department of	1,276,724	362,465	0	0	914,259	0	0
Dry Pea and Lentil Commission	332,940	332,940	0	0	0	0	0
Game and Fish, Department of	1,197,474	0	0	1,197,474	0	0	0
Historical Society of North Dakota	1,326,254	0	0	0	0	0	1,326,254
Industrial Commission	30,205,490	0	30,205,490	0	0	0	0
Soybean Council	1,944,108	1,944,108	0	0	0	0	0
Transportation, Department of	1,539,234	0	0	0	0	1,539,234	0
Wheat Commission	1,230,292	1,230,292	0	0	0	0	0
Ohio	73,535,535	0	5,975,652	46,317,006	13,345,000	6,007,875	1,890,002
Development, Department of	48,789,758	0	5,917,888	41,286,868	0	0	1,585,002
Education and Workforce, Department of	305,000	0	0	0	0	0	305,000
Mental Health and Addictions Services, Department of	13,345,000	0	0	0	13,345,000	0	0
Natural Resources, Department of	4,044,548	0	57,764	3,986,784	0	0	0
Transportation, Department of	6,007,875	0	0	0	0	6,007,875	0
Water Development Authority	1,043,354	0	0	1,043,354	0	0	0
Oklahoma	31,173,972	1,573,195	2,045,141	3,801,498	17,873,894	5,015,636	864,608
Advancement of Science and Technology, Center for the	7,911,543	768,495	2,045,141	774,326	3,168,561	290,412	864,608
Agriculture, Food, and Forestry, Department of	804,700	804,700	0	0	0	0	0
Grand River Dam Authority	410,000	0	0	410,000	0	0	0
Health, Department of	1,275,333	0	0	0	1,275,333	0	0
Tobacco Settlement Endowment Trust	13,430,000	0	0	0	13,430,000	0	0
Transportation, Department of	4,725,224	0	0	0	0	4,725,224	0
Wildlife Conservation, Department of	2,617,172	0	0	2,617,172	0	0	0
Oregon	34,898,696	599,070	3,516,670	20,121,499	5,501,925	3,802,532	1,357,000
Agriculture, Department of	307,403	307,403	0	0	0	0	0
Business Development Department	12,685,262	291,667	3,516,670	1,000,000	5,501,925	1,125,000	1,250,000
Education, Department of	107,000	0	0	0	0	0	107,000
Fish and Wildlife, Department of	15,842,487	0	0	15,842,487	0	0	0
Forestry, Department of	700,000	0	0	700,000	0	0	0
Geology and Mineral Industries, Department of	906,807	0	0	906,807	0	0	0
Transportation, Department of	2,677,532	0	0	0	0	2,677,532	0
Water Resources Department	710,934	0	0	710,934	0	0	0
Watershed Enhancement Board	961,271	0	0	961,271	0	0	0

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Pennsylvania	95,489,670	5,580,750	2,461,597	18,974,193	56,496,720	4,086,264	7,890,146
Agriculture, Department of	2,837,000	2,837,000	0	0	0	0	0
Community and Economic Development, Department of	25,525,000	2,743,750	1,922,500	2,463,750	8,169,072	2,335,782	7,890,146
Conservation and Natural Resources, Department of	691,862	0	0	691,862	0	0	0
Environmental Protection, Department of	580,570	0	539,097	0	41,473	0	0
Fish and Boat Commission	133,434	0	0	133,434	0	0	0
Game Commission	15,488,147	0	0	15,488,147	0	0	0
Health, Department of	48,286,175	0	0	0	48,286,175	0	0
Susquehanna River Basin Commission	197,000	0	0	197,000	0	0	0
Transportation, Department of	1,750,482	0	0	0	0	1,750,482	0
Rhode Island	2,668,740	0	0	732,267	449,876	1,050,000	436,597
Commerce Corporation	886,473	0	0	0	449,876	0	436,597
Fish and Wildlife; Environmental Management, Department of	297,891	0	0	297,891	0	0	0
Marine Fisheries; Environmental Management, Department of	68,881	0	0	68,881	0	0	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	272,028	0	0	272,028	0	0	0
Transportation, Department of	1,050,000	0	0	0	0	1,050,000	0
Water Resources Board	93,467	0	0	93,467	0	0	0
South Carolina	60,272,615	3,866,729	740,763	36,481,183	16,496,376	2,046,024	641,540
Agriculture, Department of	1,371,340	1,371,340	0	0	0	0	0
Disabilities and Special Needs, Department of	14,169,753	0	0	0	14,169,753	0	0
Health and Environmental Control, Department of	1,578,338	663,932	0	0	914,406	0	0
Natural Resources, Department of	33,406,763	0	0	33,406,763	0	0	0
Public Service Authority	524,025	0	436,915	46,839	0	40,271	0
Research Authority	2,281,886	25,000	303,848	45,000	1,412,217	314,979	180,842
Sea Grant Consortium	5,249,736	1,806,457	0	2,982,581	0	0	460,698
Transportation, Department of	1,690,774	0	0	0	0	1,690,774	0
South Dakota	5,069,428	2,951,252	22,097	0	0	2,046,079	50,000
Corn Utilization Council	72,097	0	22,097	0	0	0	50,000
Midwest Dairy Association, South Dakota Division	159,219	159,219	0	0	0	0	0
Nutrient Research and Education Council	1,110,090	1,110,090	0	0	0	0	0
Oilseeds Council	130,003	130,003	0	0	0	0	0
Pulse Crop Council	34,292	34,292	0	0	0	0	0
Soybean Research and Promotion Council	833,323	833,323	0	0	0	0	0
Transportation, Department of	2,046,079	0	0	0	0	2,046,079	0
Weed and Pest Control Commission	47,000	47,000	0	0	0	0	0
Wheat Commission	637,325	637,325	0	0	0	0	0
Tennessee	88,292,627	200,000	9,001,487	759,197	9,495,595	18,157,736	50,678,612
Economic and Community Development, Department of	31,582,387	0	7,895,595	0	7,895,595	15,791,197	0

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Education, Department of	49,478,612	0	0	0	0	0	49,478,612
Environment and Conservation, Department of	765,089	0	5,892	759,197	0	0	0
LaunchTN	4,500,000	200,000	1,100,000	0	1,600,000	400,000	1,200,000
Transportation, Department of	1,966,539	0	0	0	0	1,966,539	0
Texas	263,798,186	758,361	0	9,621,662	231,042,658	22,375,505	0
Agriculture, Department of	741,393	741,393	0	0	0	0	0
Animal Health Commission	16,968	16,968	0	0	0	0	0
Cancer Prevention and Research Institute	231,042,658	0	0	0	231,042,658	0	0
Environmental Quality, Commission on	2,625,587	0	0	2,625,587	0	0	0
Parks and Wildlife Department	5,793,793	0	0	5,793,793	0	0	0
Transportation, Department of	22,375,505	0	0	0	0	22,375,505	0
Water Development Board	1,202,282	0	0	1,202,282	0	0	0
Utah	11,350,593	0	0	8,424,400	0	2,926,193	0
Environmental Quality, Department of	1,956,435	0	0	1,956,435	0	0	0
Natural Resources, Department of	6,467,965	0	0	6,467,965	0	0	0
Transportation, Department of	2,926,193	0	0	0	0	2,926,193	0
Vermont	1,724,837	0	0	35,450	798,646	890,741	0
Agriculture, Food, and Markets, Agency of	9,419	0	0	9,419	0	0	0
Human Services, Agency of	798,646	0	0	0	798,646	0	0
Natural Resources, Agency of	26,031	0	0	26,031	0	0	0
Transportation, Agency of	890,741	0	0	0	0	890,741	0
Virginia	57,082,897	4,378,183	937,176	9,478,187	9,398,622	24,182,863	8,707,866
Agriculture and Consumer Services, Department of	3,728,575	3,728,575	0	0	0	0	0
Commonwealth Health Research Board	1,608,870	0	0	0	1,608,870	0	0
Education, Department of	1,000,000	0	0	0	0	0	1,000,000
Energy, Department of	1,664,444	0	189,088	1,461,203	0	0	14,153
Environmental Quality, Department of	449,060	0	0	449,060	0	0	0
Forensic Science, Department of	1,163,967	0	0	0	0	0	1,163,967
Forestry, Department of	823,618	0	0	823,618	0	0	0
Foundation for Healthy Youth	1,192,122	0	0	0	1,192,122	0	0
Innovation Partnership Authority	16,517,486	306,876	676,088	2,553,746	4,435,316	3,139,214	5,406,246
Marine Resources Commission	1,941,990	0	0	1,941,990	0	0	0
Natural History, Museum of	1,112,900	0	0	1,112,900	0	0	0
Rail and Public Transportation	525,000	0	0	0	0	525,000	0
Social Services, Department of	1,123,500	0	0	0	0	0	1,123,500
Transportation, Department of	20,297,649	0	0	0	0	20,297,649	0
Veterans Services, Department of	1,562,314	0	0	0	1,562,314	0	0
Wildlife Resources, Department of	2,371,402	342,732	72,000	1,135,670	600,000	221,000	0

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Washington	77,892,601	13,894,197	8,702,876	44,359,876	1,545,000	5,472,000	3,918,652
Agriculture, Department of	3,545,097	3,545,097	0	0	0	0	0
Alfalfa Seed Commission	17,000	17,000	0	0	0	0	0
Asparagus Commission	33,000	33,000	0	0	0	0	0
Blueberry Commission	231,487	231,487	0	0	0	0	0
Commerce, Department of	7,989,275	0	7,989,275	0	0	0	0
Cranberry Commission	11,000	11,000	0	0	0	0	0
Ecology, Department of	2,724,112	0	0	2,724,112	0	0	0
Fish and Wildlife, Department of	22,265,674	0	0	22,265,674	0	0	0
Fruit Commission	60,000	0	0	0	60,000	0	0
Grain Commission	2,135,826	2,135,826	0	0	0	0	0
Health, Department of	1,485,000	0	0	0	1,485,000	0	0
Hop Commission	164,546	164,546	0	0	0	0	0
Integrated Pest Management, Commission on	432,913	432,913	0	0	0	0	0
Labor and Industries, Department of	3,918,652	0	0	0	0	0	3,918,652
Mint Commission	40,529	40,529	0	0	0	0	0
Natural Resources, Department of	16,368,691	0	713,601	15,655,090	0	0	0
Oilseeds Commission	118,784	118,784	0	0	0	0	0
Potato Commission	879,508	879,508	0	0	0	0	0
Puget Sound Partnership	3,715,000	0	0	3,715,000	0	0	0
Pulse Crops Commission	142,290	142,290	0	0	0	0	0
Red Raspberry Commission	209,188	209,188	0	0	0	0	0
Transportation, Department of	5,472,000	0	0	0	0	5,472,000	0
Tree Fruit Research Commission	5,482,677	5,482,677	0	0	0	0	0
Turfgrass Seed Commission	118,269	118,269	0	0	0	0	0
Wine Commission	332,083	332,083	0	0	0	0	0
West Virginia	11,946,339	160,000	3,223,124	2,588,233	2,575,968	2,201,284	1,197,730
Agriculture, Department of	160,000	160,000	0	0	0	0	0
Geological and Economic Survey	3,192,295	0	2,307,812	884,483	0	0	0
Higher Education Policy Commission	4,412,628	0	915,312	140,557	2,575,968	0	780,791
Justice and Community Services, Division of Administrative Services	416,939	0	0	0	0	0	416,939
Natural Resources, Division of	1,563,193	0	0	1,563,193	0	0	0
Transportation, Department of	2,201,284	0	0	0	0	2,201,284	0
Wisconsin	15,612,828	2,599,764	0	7,355,100	0	4,157,964	1,500,000
Agriculture, Trade and Consumer Protection, Department of	2,599,764	2,599,764	0	0	0	0	0
Economic Development Corporation	1,500,000	0	0	0	0	0	1,500,000
Natural Resources, Department of	7,355,100	0	0	7,355,100	0	0	0
Transportation, Department of	4,157,964	0	0	0	0	4,157,964	0

Table 21. State agency expenditures for R&D, by state department or agency and function of R&D: FY 2024

(Dollars)

State and department or agency	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other R&D functions ^a
Wyoming	13,781,859	757,131	7,918,659	3,469,044	270,000	1,367,025	0
Agriculture, Department of	657,131	657,131	0	0	0	0	0
Business Council	1,044,968	100,000	0	274,968	270,000	400,000	0
Enhanced Oil Recovery Institute	6,445,631	0	6,445,631	0	0	0	0
Game and Fish Department	1,323,535	0	0	1,323,535	0	0	0
State Geological Survey	2,946,055	0	1,473,028	1,473,027	0	0	0
Transportation, Department of	967,025	0	0	0	0	967,025	0
Water Development Office	397,514	0	0	397,514	0	0	0
Puerto Rico ^c	48,065,120	141,550	0	354,553	40,644,457	45,784	6,878,776
Agriculture, Department of	141,550	141,550	0	0	0	0	0
Economic Development and Commerce, Department of	5,000,000	0	0	0	0	0	5,000,000
Comprehensive Cancer Center	21,142,003	0	0	0	21,142,003	0	0
Health, Department of	15,788,813	0	0	0	15,788,813	0	0
Institute of Statistics	2,113,301	0	0	0	335,467	45,784	1,732,050
Science, Technology and Research Trust	3,879,453	0	0	354,553	3,378,174	0	146,726

^a Other R&D functions includes but is not limited to corrections, criminal justice, education, forensic science, labor, public safety, and social services functions.^b U.S. total reflects all 50 states and the District of Columbia.^c 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 2024.