

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
United States <sup>g</sup>	3,034,601,074	741,613,066	2,292,988,008	1,229,894,644	597,851,734	325,965,825	58,291,567	80,984,238
Alabama	83,778,649	8,885,851	74,892,798	18,357,900	1,215,357	53,329,500	1,990,041	0
Commerce, Department of	54,419,133	0	54,419,133	1,000,000	419,133	53,000,000	0	0
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	2,637,830	0	2,637,830	2,637,830	0	0	0	0
Economic and Community Affairs, Department of	3,255,511	0	3,255,511	2,794,814	460,697	0	0	0
Education, Department of	6,883,453	989,326	5,894,127	5,125,000	335,527	329,500	104,100	0
Forensic Sciences, Department of	231,757	231,757	0	0	0	0	0	0
Geological Survey	2,971,380	2,971,380	0	0	0	0	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	3,913,492	3,913,492	0	0	0	0	0	0
Supercomputer Authority	4,204,072	0	4,204,072	4,204,072	0	0	0	0
Transportation, Department of	5,262,021	779,896	4,482,125	2,596,184	0	0	1,885,941	0
Alaska	19,451,112	14,118,929	5,332,183	707,567	2,698,817	0	784,713	1,141,086
Energy Authority	242,896	0	242,896	0	242,896	0	0	0
Environmental Conservation, Department of	192,715	137,502	55,213	29,390	25,823	0	0	0
Housing Finance Corporation	500,000	0	500,000	0	0	0	500,000	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	12,212,300	12,212,300	0	0	0	0	0	0
Railroad Corporation	3,098,866	1,221,457	1,877,409	0	1,877,409	0	0	0
Seafood Marketing Institute	74,015	0	74,015	18,037	55,978	0	0	0
Transportation and Public Facilities, Department of	3,130,320	547,670	2,582,650	660,140	496,711	0	284,713	1,141,086
Arizona	14,011,612	2,901,013	11,110,599	4,296,040	6,499,559	0	315,000	0
Agriculture, Department of	1,943,155	0	1,943,155	1,833,984	109,171	0	0	0
Deaf and Hard of Hearing	115,000	0	115,000	115,000	0	0	0	0
Game and Fish Department	1,419,872	1,299,872	120,000	120,000	0	0	0	0
Health Services, Department of	7,868,651	0	7,868,651	1,957,022	5,911,629	0	0	0
Juvenile Corrections, Department of	600,000	600,000	0	0	0	0	0	0
Transportation, Department of	2,064,934	1,001,141	1,063,793	270,034	478,759	0	315,000	0
Arkansas	9,521,076	391,998	9,129,078	7,594,303	876,241	400,829	257,705	0
Beef Council	76,605	0	76,605	76,605	0	0	0	0
Corn and Grain Sorghum Promotion Board	965,315	0	965,315	947,120	18,195	0	0	0
Economic Development Commission	605,749	0	605,749	0	605,749	0	0	0
Game and Fish Commission	1,966,097	248,065	1,718,032	1,030,819	171,803	257,705	257,705	0
Midwest Dairy Association, Arkansas Division	7,425	0	7,425	7,425	0	0	0	0
Natural Heritage Commission	208,588	102,653	105,935	25,441	80,494	0	0	0
Rice Research and Promotion Board	2,500,050	0	2,500,050	2,500,050	0	0	0	0
Soybean Promotion Board	1,221,170	0	1,221,170	1,078,046	0	143,124	0	0

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Transportation, Department of	1,936,385	41,280	1,895,105	1,895,105	0	0	0	0
Wheat Promotion Board	33,692	0	33,692	33,692	0	0	0	0
California	594,541,351	97,801,248	496,740,103	218,194,624	143,433,375	64,035,082	15,823,082	55,253,940
Air Resources Board	17,641,553	10,629,196	7,012,357	5,522,867	770,513	718,977	0	0
Coachella Valley Mountains	215,912	0	215,912	215,912	0	0	0	0
Conservation, Department of	1,490,818	1,166,321	324,497	324,497	0	0	0	0
Corrections and Rehabilitation, Department of	6,466,366	0	6,466,366	0	6,466,366	0	0	0
Covered California	5,765,443	0	5,765,443	1,010,236	4,755,207	0	0	0
Dairy Council	69,421	0	69,421	69,421	0	0	0	0
Delta Stewardship Council	5,138,976	0	5,138,976	3,686,564	687,308	140,290	624,814	0
Emergency Services Governor's Office	2,020,000	120,000	1,900,000	1,100,000	0	500,000	300,000	0
Energy Commission	170,673,193	36,001,202	134,671,991	10,263,090	110,605,549	12,618,014	1,185,338	0
Environmental Health Hazard Assessment, Office of	25,263,123	18,194,997	7,068,126	7,018,527	49,599	0	0	0
First 5 California (Children and Families Commission)	6,000,000	0	6,000,000	2,000,000	0	4,000,000	0	0
Food and Agriculture, Department of	6,187,795	0	6,187,795	6,064,903	0	55,698	67,194	0
Forestry and Fire Protection, Department of	16,600,000	2,600,000	14,000,000	9,500,000	0	4,500,000	0	0
Horse Racing Board	976,291	0	976,291	976,291	0	0	0	0
Housing and Community Development, Department of	79,000	79,000	0	0	0	0	0	0
Institute for Regenerative Medicine	152,261,013	0	152,261,013	116,674,576	3,610,592	31,975,845	0	0
Motor Vehicles, Department of	1,714,131	1,696,942	17,189	17,189	0	0	0	0
Parks And Recreation, Department of	3,297,362	0	3,297,362	3,297,362	0	0	0	0
Pesticide Regulation, Department of	20,772,486	13,757,992	7,014,494	1,877,611	0	5,136,883	0	0
Public Health, Department of	8,500,000	0	8,500,000	8,500,000	0	0	0	0
Public Utilities Commission, Executive Division	55,035,940	0	55,035,940	0	0	0	0	55,035,940
Resources Recycling and Recovery, Department of	250,112	0	250,112	0	250,112	0	0	0
San Diego River Conservancy	495,155	0	495,155	0	0	495,155	0	0
State Coastal Conservancy	751,289	0	751,289	202,884	109,370	417,034	22,001	0
State Water Resources Control Board	24,800,361	0	24,800,361	5,081,422	15,000,000	3,477,186	1,023,753	218,000
Toxic Substances Control, Department of	221,058	221,058	0	0	0	0	0	0
Transportation, Department of	49,446,825	13,234,540	36,212,285	24,205,471	1,128,759	0	10,878,055	0
Water Resources, Department of	12,407,728	100,000	12,307,728	10,585,801	0	0	1,721,927	0
Colorado	39,665,229	10,548,105	29,117,124	9,208,168	18,619,670	0	1,186,426	102,860
Agriculture, Department of	362,802	337,677	25,125	25,125	0	0	0	0
Economic Development and International Trade, Office of	22,767,255	0	22,767,255	4,540,496	18,128,899	0	0	97,860
Higher Education Competitive Research Authority	1,843,141	0	1,843,141	1,843,141	0	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Natural Resources, Department of	6,892,590	6,826,610	65,980	60,980	0	0	0	5,000
Public Health and Environment, Department of	3,439,025	2,642,560	796,465	796,465	0	0	0	0
Transportation, Department of	4,153,335	741,258	3,412,077	1,734,880	490,771	0	1,186,426	0
Wine Industry Development Board	207,081	0	207,081	207,081	0	0	0	0
Connecticut	55,924,506	29,335,244	26,589,262	2,035,295	22,357,867	0	7,875	2,188,225
Agricultural Experiment Station	14,165,952	14,165,952	0	0	0	0	0	0
Energy and Environmental Protection, Department of	8,086,000	7,188,455	897,545	530,420	359,250	0	7,875	0
Innovation Inc.	22,043,617	0	22,043,617	45,000	21,998,617	0	0	0
Mental Health and Addiction Services, Department of	7,079,816	7,079,816	0	0	0	0	0	0
Social Services, Department of	641,305	391,305	250,000	250,000	0	0	0	0
Transportation, Department of	3,907,816	509,716	3,398,100	1,209,875	0	0	0	2,188,225
Delaware	3,584,063	1,600,464	1,983,599	917,009	973,253	0	93,337	0
Geological Survey	1,651,264	1,600,464	50,800	50,800	0	0	0	0
Natural Resources and Environmental Control, Department of	488,092	0	488,092	344,092	50,663	0	93,337	0
Sustainable Energy Utility	50,500	0	50,500	50,500	0	0	0	0
Transportation, Department of	1,394,207	0	1,394,207	471,617	922,590	0	0	0
District of Columbia	10,563,918	7,041,016	3,522,902	851,907	270,401	2,046,290	354,304	0
Energy and Environment, Department of	348,077	0	348,077	0	90,000	66,777	191,300	0
Health, Department of	7,909,103	5,929,590	1,979,513	0	0	1,979,513	0	0
Transportation, Department of	806,738	111,426	695,312	401,907	130,401	0	163,004	0
Water and Sewer Authority	1,500,000	1,000,000	500,000	450,000	50,000	0	0	0
Florida	222,882,689	53,921,437	168,961,252	96,667,036	6,012,904	66,211,572	69,740	0
Agriculture and Consumer Services, Department of	22,629,310	1,089,702	21,539,608	11,604,957	257,559	9,607,871	69,221	0
Citrus, Department of	2,067,852	93,920	1,973,932	111,134	862,798	1,000,000	0	0
Environmental Protection, Department of	60,125	0	60,125	0	60,125	0	0	0
Fish and Wildlife Conservation Commission	60,990,297	51,516,677	9,473,620	3,104,404	2,967,798	3,400,899	519	0
Gaming Control Commission	100,000	0	100,000	100,000	0	0	0	0
Health, Department of	121,558,745	0	121,558,745	69,355,943	0	52,202,802	0	0
Space Florida	1,110,000	0	1,110,000	10,000	1,100,000	0	0	0
Transportation, Department of	14,366,360	1,221,138	13,145,222	12,380,598	764,624	0	0	0
Georgia	20,739,193	2,930,709	17,808,484	10,326,984	4,257,065	1,811,783	1,412,652	0
Commodity Commission, Agriculture, Department of	2,513,762	0	2,513,762	2,513,762	0	0	0	0
Natural Resources, Department of	2,297,557	0	2,297,557	2,297,557	0	0	0	0
Southern States Energy Board	9,213,432	2,930,709	6,282,723	1,668,896	4,257,065	11,110	345,652	0
Transportation, Department of	6,714,442	0	6,714,442	3,846,769	0	1,800,673	1,067,000	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Hawaii	5,280,407	628,842	4,651,565	2,472,730	2,066,607	80,000	32,228	0
Agriculture, Department of	652,670	198,717	453,953	404,346	49,607	0	0	0
Business, Economic Development, and Tourism, Department of	2,447,125	430,125	2,017,000	0	2,017,000	0	0	0
Land and Natural Resources, Department of	445,210	0	445,210	332,982	0	80,000	32,228	0
Transportation, Department of	1,735,402	0	1,735,402	1,735,402	0	0	0	0
Idaho	18,670,602	7,349,090	11,321,512	7,231,429	562,811	371,967	2,856,071	299,234
Agriculture, Department of	1,020,066	0	1,020,066	533,865	0	186,967	0	299,234
Barley Commission	254,646	0	254,646	224,646	0	0	30,000	0
Bean Commission	33,575	0	33,575	33,575	0	0	0	0
Commerce, Department of	784,945	0	784,945	784,945	0	0	0	0
Dairy West	2,843,786	0	2,843,786	2,843,786	0	0	0	0
Fish and Game, Department of	9,232,224	7,136,173	2,096,051	888,582	0	0	1,207,469	0
Oilseed Commission	66,548	0	66,548	66,548	0	0	0	0
Pea and Lentil Commission	61,179	0	61,179	61,179	0	0	0	0
Potato Commission	650,880	0	650,880	494,366	156,514	0	0	0
Transportation Department	2,832,749	212,917	2,619,832	435,045	406,297	185,000	1,593,490	0
Wheat Commission	890,004	0	890,004	864,892	0	0	25,112	0
Illinois	45,907,372	554,067	45,353,305	39,963,806	4,548,609	806,010	34,880	0
Children and Family Services, Department of	2,814,959	0	2,814,959	2,814,959	0	0	0	0
Great Lakes - St. Lawrence River Basin	100,000	0	100,000	100,000	0	0	0	0
Midwest Dairy Association, Illinois Division	15,345	0	15,345	15,345	0	0	0	0
Natural Resources, Department of	27,317,164	0	27,317,164	23,161,915	4,155,249	0	0	0
Nature Preserves Commission	1,065,000	0	1,065,000	1,065,000	0	0	0	0
Nutrient Research and Education Council	3,844,915	0	3,844,915	3,554,905	0	290,010	0	0
Public Health, Department of	516,000	0	516,000	0	0	516,000	0	0
Transportation, Department of	10,233,989	554,067	9,679,922	9,251,682	393,360	0	34,880	0
Indiana	24,179,311	1,902,083	22,277,228	12,315,640	9,961,588	0	0	0
Economic Development Corporation	9,961,588	0	9,961,588	0	9,961,588	0	0	0
Natural Resources, Department of	4,366,329	1,828,814	2,537,515	2,537,515	0	0	0	0
Transportation, Department of	9,851,394	73,269	9,778,125	9,778,125	0	0	0	0
Iowa	9,809,708	1,366,776	8,442,932	7,597,858	818,225	24,154	2,695	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	632,002	632,002	0	0	0	0	0	0
Midwest Dairy Association, Iowa Division	113,850	0	113,850	113,850	0	0	0	0
Natural Resources, Department of	1,945,868	734,774	1,211,094	1,179,500	4,745	24,154	2,695	0
Transportation, Department of	7,117,988	0	7,117,988	6,304,508	813,480	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Kansas	10,364,853	2,166,223	8,198,630	6,017,483	154,363	11,248	2,015,536	0
Corn Commission	375,941	0	375,941	375,941	0	0	0	0
Grain Sorghum Commission	553,341	0	553,341	553,341	0	0	0	0
Midwest Dairy Association, Kansas Division	13,860	0	13,860	13,860	0	0	0	0
Soybean Commission	1,400,000	0	1,400,000	1,400,000	0	0	0	0
State Board of Regents	1,000,314	7,049	993,265	993,265	0	0	0	0
Sunflower Commission	11,248	0	11,248	0	0	11,248	0	0
Transportation, Department of	3,882,450	1,290,541	2,591,909	1,232,490	94,363	0	1,265,056	0
Water Office	1,805,720	868,633	937,087	186,607	0	0	750,480	0
Wheat Commission	1,321,979	0	1,321,979	1,261,979	60,000	0	0	0
Kentucky	37,765,916	4,842,218	32,923,698	28,970,060	3,952,108	0	1,530	0
Economic Development, Cabinet for	3,126,802	0	3,126,802	1,648,739	1,478,063	0	0	0
Fish and Wildlife Resources, Department of	7,566,970	4,794,264	2,772,706	297,131	2,474,045	0	1,530	0
Horse Racing Commission	140,153	0	140,153	140,153	0	0	0	0
Nature Preserves, Office of Kentucky	55,409	47,954	7,455	7,455	0	0	0	0
Postsecondary Education, Council on	11,029,618	0	11,029,618	11,029,618	0	0	0	0
Public Health, Department for	7,256,093	0	7,256,093	7,256,093	0	0	0	0
Soybean Promotion Board	502,893	0	502,893	502,893	0	0	0	0
Transportation Cabinet	8,087,978	0	8,087,978	8,087,978	0	0	0	0
Louisiana	31,663,714	10,567,296	21,096,418	17,592,263	3,117,754	47,934	258,811	79,656
Board of Regents	12,395,006	0	12,395,006	12,395,006	0	0	0	0
Coastal Protection and Restoration Authority	3,791,442	524,674	3,266,768	625,146	2,482,309	0	79,657	79,656
Transportation and Development, Department of	8,500,000	4,250,000	4,250,000	3,750,000	500,000	0	0	0
Wildlife and Fisheries, Department of	6,977,266	5,792,622	1,184,644	822,111	135,445	47,934	179,154	0
Maine	47,576,007	12,319,129	35,256,878	3,169,145	30,097,800	1,888,267	101,666	0
Agriculture, Conservation and Forestry, Department of	1,697,100	1,466,400	230,700	96,200	74,500	0	60,000	0
Aquaculture Innovation Center	587,473	587,473	0	0	0	0	0	0
Inland Fisheries and Wildlife, Department of	1,776,000	1,659,000	117,000	50,000	0	67,000	0	0
Marine Resources, Department of	2,790,668	2,663,978	126,690	0	126,690	0	0	0
MDI Biological Laboratory, Center for Biomedical Innovation	7,615,174	5,457,951	2,157,223	1,685,517	0	471,706	0	0
Technology Institute	31,923,642	0	31,923,642	648,105	29,884,310	1,349,561	41,666	0
Transportation, Department of	1,185,950	484,327	701,623	689,323	12,300	0	0	0
Maryland	46,489,603	622,465	45,867,138	34,185,779	11,431,359	0	0	250,000
Energy Administration	250,000	0	250,000	0	0	0	0	250,000
Health, Department of	15,000,000	0	15,000,000	15,000,000	0	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Natural Resources, Department of	670,841	0	670,841	670,841	0	0	0	0
Technology Development Corporation	28,682,169	0	28,682,169	17,395,809	11,286,360	0	0	0
Transportation, Department of	1,886,593	622,465	1,264,128	1,119,129	144,999	0	0	0
Massachusetts	48,424,086	1,690,736	46,733,350	15,167,081	17,624,471	2,067,506	93,604	11,780,688
Clean Energy Technology Center	27,560,771	0	27,560,771	292,585	15,775,956	0	0	11,492,230
Environmental Protection, Department of	2,125,890	333,963	1,791,927	996,986	784,941	10,000	0	0
Fish and Game, Department of	262,343	26,915	235,428	0	0	235,428	0	0
Gaming Commission	1,363,550	220,350	1,143,200	760,200	308,000	0	75,000	0
MassVentures	400,000	200,000	200,000	200,000	0	0	0	0
Mental Health, Department of	2,761,879	0	2,761,879	994,881	346,385	1,420,613	0	0
Public Health, Department of	2,306,457	0	2,306,457	2,097,771	184,189	0	0	24,497
Technology Park Corporation	3,143,796	0	3,143,796	2,584,766	225,000	51,465	18,604	263,961
Transportation, Department of	7,849,400	609,508	7,239,892	7,239,892	0	0	0	0
Water Resources Authority	650,000	300,000	350,000	0	0	350,000	0	0
Michigan	22,654,435	143,576	22,510,859	13,783,149	1,300,681	4,998,043	2,428,986	0
Agriculture and Rural Development, Department of	3,846,005	35,000	3,811,005	3,389,805	6,039	378,099	37,062	0
Economic Development Corporation	5,000,000	0	5,000,000	5,000,000	0	0	0	0
Environmental, Great Lakes, and Energy, Department of	4,935,956	108,576	4,827,380	87,869	566,441	4,173,070	0	0
Health and Human Services	2,644,979	0	2,644,979	2,644,979	0	0	0	0
Transportation, Department of	6,227,495	0	6,227,495	2,660,496	728,201	446,874	2,391,924	0
Minnesota	22,732,170	3,138,073	19,594,097	13,127,427	3,758,666	170,354	2,537,650	0
Agriculture, Department of	4,966,177	1,006,689	3,959,488	3,214,492	179,800	170,354	394,842	0
Forest Resources Council	15,684	0	15,684	15,684	0	0	0	0
Health, Department of	250,000	150,000	100,000	100,000	0	0	0	0
Midwest Dairy Association, Minnesota Division	208,395	0	208,395	208,395	0	0	0	0
Natural Resources, Department of	2,101,074	1,981,384	119,690	118,276	1,414	0	0	0
Pollution Control Agency	230,894	0	230,894	0	230,894	0	0	0
Transportation, Department of	14,959,946	0	14,959,946	9,470,580	3,346,558	0	2,142,808	0
Mississippi	10,030,897	2,030,108	8,000,789	5,025,882	494,973	1,146,667	1,333,267	0
Agriculture and Commerce, Department of	207,791	0	207,791	207,791	0	0	0	0
Environmental Quality, Department of	1,649,886	100,727	1,549,159	1,549,159	0	0	0	0
Gulf States Marine Fisheries Commission	1,064,916	65,341	999,575	613,628	47,013	0	338,934	0
Marine Resources, Department of	1,927,800	1,123,546	804,254	804,254	0	0	0	0
Transportation, Department of	2,763,759	2,444	2,761,315	269,855	415,460	1,081,667	994,333	0
Wildlife, Fisheries, and Parks, Department of	2,416,745	738,050	1,678,695	1,581,195	32,500	65,000	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Missouri	17,210,400	4,589,925	12,620,475	6,846,948	5,496,089	171,666	105,772	0
Agriculture, Department of	1,374,152	0	1,374,152	1,151,775	222,377	0	0	0
Conservation, Department of	7,416,216	4,589,925	2,826,291	2,622,718	0	160,073	43,500	0
Mental Health, Department of	242,500	0	242,500	242,500	0	0	0	0
Natural Resources, Department of	250,591	0	250,591	176,726	0	11,593	62,272	0
Technology Corporation	3,806,999	0	3,806,999	0	3,806,999	0	0	0
Transportation, Department of	3,342,278	0	3,342,278	1,875,565	1,466,713	0	0	0
Wine and Grape Board	777,664	0	777,664	777,664	0	0	0	0
Montana	9,956,071	3,806,428	6,149,643	5,275,871	9,055	412,189	452,528	0
Agriculture, Department of	3,466,168	0	3,466,168	3,466,168	0	0	0	0
Environmental Quality, Department of	63,976	63,976	0	0	0	0	0	0
Fish, Wildlife and Parks, Department of	4,472,983	3,277,294	1,195,689	1,195,689	0	0	0	0
Natural Resources and Conservation, Department of	68,874	18,077	50,797	50,797	0	0	0	0
Transportation, Department of	1,884,070	447,081	1,436,989	563,217	9,055	412,189	452,528	0
Nebraska	29,171,378	74,500	29,096,878	25,871,076	3,093,032	112,770	20,000	0
Agriculture, Department of	1,196,095	0	1,196,095	951,293	132,032	112,770	0	0
Corn Board	762,728	0	762,728	762,728	0	0	0	0
Dry Bean Commission	343,193	0	343,193	343,193	0	0	0	0
Economic Development, Department of	4,733,801	0	4,733,801	1,842,801	2,891,000	0	0	0
Game and Parks Commission	2,018,739	0	2,018,739	2,018,739	0	0	0	0
Grain Sorghum Board	3,000	0	3,000	3,000	0	0	0	0
Health and Human Services, Department of	18,879,659	0	18,879,659	18,879,659	0	0	0	0
Midwest Dairy Association, Nebraska Division	25,740	0	25,740	25,740	0	0	0	0
Natural Resources, Department of	50,000	0	50,000	0	50,000	0	0	0
Pea And Lentil Commission	30,372	0	30,372	30,372	0	0	0	0
Transportation, Department of	1,088,051	74,500	1,013,551	1,013,551	0	0	0	0
Wheat Board	40,000	0	40,000	0	20,000	0	20,000	0
Nevada	4,072,717	256,192	3,816,525	2,867,745	69,300	0	879,480	0
Agriculture, Department of	204,134	204,134	0	0	0	0	0	0
Conservation and Natural Resources, Department of	198,678	52,058	146,620	10,940	0	0	135,680	0
Economic Development, Governor's office of	2,190,905	0	2,190,905	2,190,905	0	0	0	0
Transportation, Department of	1,479,000	0	1,479,000	665,900	69,300	0	743,800	0
New Hampshire	2,521,016	89,546	2,431,470	279,470	1,464,456	0	687,544	0
Agriculture, Markets and Food, Department of	86,551	0	86,551	66,591	0	0	19,960	0
Environmental Services, Department of	1,563,535	0	1,563,535	107,877	1,360,958	0	94,700	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Transportation, Department of	870,930	89,546	781,384	105,002	103,498	0	572,884	0
New Jersey	99,832,733	3,917,853	95,914,880	52,920,552	1,556,739	41,432,589	5,000	0
Children and Families, Department of	330,877	132,600	198,277	78,277	0	120,000	0	0
Community Affairs, Department of	15,489	14,769	720	0	720	0	0	0
Corrections, Department of	498,425	498,425	0	0	0	0	0	0
Environmental Protection, Department of	7,878,841	2,469,745	5,409,096	3,993,634	708,327	702,135	5,000	0
Health, Department of	79,121,918	0	79,121,918	42,649,797	0	36,472,121	0	0
Pinelands Commission	797,409	709,097	88,312	0	88,312	0	0	0
Secretary of Higher Education, Office of	8,500,000	0	8,500,000	4,500,000	0	4,000,000	0	0
State Parole Board, New Jersey	93,217	93,217	0	0	0	0	0	0
Transportation, Department of	2,596,557	0	2,596,557	1,698,844	759,380	138,333	0	0
New Mexico	2,337,788	781,067	1,556,721	813,963	312,327	30,000	400,431	0
Game and Fish, Department of	1,501,778	475,000	1,026,778	722,336	274,442	30,000	0	0
Transportation, Department of	770,937	306,067	464,870	64,439	0	0	400,431	0
Western State Air Resources Council	65,073	0	65,073	27,188	37,885	0	0	0
New York	486,576,578	286,453,348	200,123,230	126,493,029	37,796,428	26,242,293	279,491	9,311,989
Agriculture and Markets, Department of	6,775,611	2,582,000	4,193,611	4,193,611	0	0	0	0
Economic Development, Department of	98,660,735	0	98,660,735	89,001,142	0	9,659,593	0	0
Energy Research and Development Authority	55,115,891	8,551,208	46,564,683	2,556,995	34,695,699	0	0	9,311,989
Environmental Conservation, Department of	11,196,566	4,262,602	6,933,964	4,848,213	1,800,000	11,241	274,510	0
Health, Department of	42,199,899	26,751,347	15,448,552	7,686,296	1,222,323	6,534,952	4,981	0
Mental Health, Office of	170,362,799	149,760,923	20,601,876	16,626,296	78,406	3,897,174	0	0
People with Developmental Disabilities, Office of	2,317,096	2,317,096	0	0	0	0	0	0
Power Authority	9,265,322	2,975,989	6,289,333	150,000	0	6,139,333	0	0
Roswell Park Comprehensive Cancer Center	76,048,189	76,048,189	0	0	0	0	0	0
State Museum	11,121,948	10,729,590	392,358	392,358	0	0	0	0
Thoroughbred Breeding and Development Fund Corp	365,189	0	365,189	365,189	0	0	0	0
Transportation, Department of	3,147,333	2,474,404	672,929	672,929	0	0	0	0
North Carolina	36,106,613	16,335,642	19,770,971	11,297,102	8,030,154	337,015	106,700	0
Agriculture and Consumer Services, Department of	15,422,911	13,922,911	1,500,000	1,300,000	200,000	0	0	0
Biotechnology Center	7,770,931	0	7,770,931	2,170,931	5,600,000	0	0	0
Natural and Cultural Resources, Department of	2,135,087	1,762,688	372,399	99,975	151,733	13,991	106,700	0
Science Technology & Innovation, Office of	2,048,421	0	2,048,421	0	2,048,421	0	0	0
Transportation, Department of	8,572,434	650,043	7,922,391	7,696,367	0	226,024	0	0
Wine and Grape Growers Council	156,829	0	156,829	29,829	30,000	97,000	0	0



TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
North Dakota	25,822,123	981,502	24,840,621	14,469,584	7,382,680	461,683	2,526,674	0
Agriculture, Department of	924,605	0	924,605	0	890,994	33,611	0	0
Dry Pea and Lentil Commission	257,308	0	257,308	257,308	0	0	0	0
Game and Fish, Department of	659,780	52,550	607,230	446,489	0	160,741	0	0
Historical Society of North Dakota	1,034,581	893,850	140,731	0	0	140,731	0	0
Industrial Commission	18,378,646	0	18,378,646	10,873,069	6,491,686	0	1,013,891	0
Midwest Dairy Association, North Dakota Division	6,435	0	6,435	6,435	0	0	0	0
Soybean Council	1,531,730	0	1,531,730	1,531,730	0	0	0	0
Transportation, Department of	1,820,328	35,102	1,785,226	272,443	0	0	1,512,783	0
Wheat Commission	1,208,710	0	1,208,710	1,082,110	0	126,600	0	0
Ohio	117,471,257	641,094	116,830,163	38,256,245	78,180,697	127,565	265,656	0
Development, Department of	88,778,286	0	88,778,286	12,933,020	75,845,266	0	0	0
Education & Workforce, Department of	166,000	25,000	141,000	141,000	0	0	0	0
Mental Health and Addictions Services, Department of	20,000,000	0	20,000,000	20,000,000	0	0	0	0
Natural Resources, Department of	2,230,912	616,094	1,614,818	1,580,185	22,366	12,267	0	0
Transportation, Department of	5,432,652	0	5,432,652	2,887,406	2,313,065	115,298	116,883	0
Water Development Authority	863,407	0	863,407	714,634	0	0	148,773	0
Oklahoma	28,885,260	1,434,856	27,450,404	17,955,918	3,764,509	4,062,147	1,667,830	0
Advancement of Science and Technology, Center for the	8,294,382	0	8,294,382	4,334,873	3,719,509	240,000	0	0
Agriculture, Food, and Forestry, Department of	426,689	0	426,689	426,689	0	0	0	0
Grand River Dam Authority	455,000	250,000	205,000	160,000	45,000	0	0	0
Health, Department of	1,314,070	432,788	881,282	881,282	0	0	0	0
Human Services, Department of	174,930	174,930	0	0	0	0	0	0
Midwest Dairy Association, Oklahoma Division	4,950	0	4,950	4,950	0	0	0	0
Tobacco Settlement Endowment Trust	12,280,957	0	12,280,957	8,523,428	0	3,757,529	0	0
Transportation, Department of	4,240,128	573,370	3,666,758	1,998,928	0	0	1,667,830	0
Wildlife Conservation, Department of	1,694,154	3,768	1,690,386	1,625,768	0	64,618	0	0
Oregon	40,257,488	19,770,459	20,487,029	11,220,208	3,690,000	3,913,105	1,663,716	0
Agriculture, Department of	203,998	0	203,998	188,998	15,000	0	0	0
Business Development Department	12,000,000	0	12,000,000	4,900,000	3,600,000	3,500,000	0	0
Education, Department of	456,836	0	456,836	456,836	0	0	0	0
Fish and Wildlife, Department of	16,166,574	14,440,498	1,726,076	1,722,956	0	3,120	0	0
Forestry, Department of	700,000	350,000	350,000	50,000	75,000	75,000	150,000	0
Geology and Mineral Industries, Department of	1,118,540	1,118,540	0	0	0	0	0	0
Human Services, Department of	3,077,411	2,613,332	464,079	464,079	0	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Transportation, Department of	3,836,183	1,049,358	2,786,825	2,686,317	0	0	100,508	0
Water Resources Department	1,526,296	188,083	1,338,213	0	0	0	1,338,213	0
Watershed Enhancement Board	1,171,650	10,648	1,161,002	751,022	0	334,985	74,995	0
Pennsylvania	99,487,575	16,987,160	82,500,415	48,476,231	624,184	33,382,908	17,092	0
Agriculture, Department of	2,817,440	0	2,817,440	2,592,232	0	225,208	0	0
Community and Economic Development, Department of	21,742,628	0	21,742,628	6,317,628	0	15,425,000	0	0
Conservation and Natural Resources, Department of	682,346	149,625	532,721	254,594	0	261,035	17,092	0
Environmental Protection, Department of	257,919	4,359	253,560	0	253,560	0	0	0
Fish and Boat Commission	163,584	143,542	20,042	20,042	0	0	0	0
Game Commission	16,916,509	16,509,634	406,875	406,875	0	0	0	0
Health, Department of	54,141,877	0	54,141,877	36,670,212	0	17,471,665	0	0
Susquehanna River Basin Commission	255,000	180,000	75,000	0	75,000	0	0	0
Transportation, Department of	2,510,272	0	2,510,272	2,214,648	295,624	0	0	0
Rhode Island	4,635,868	236,546	4,399,322	1,889,803	2,199,530	237,000	72,989	0
Commerce Corporation	749,530	0	749,530	0	749,530	0	0	0
Fish and Wildlife; Environmental Management, Department of	1,755,569	0	1,755,569	1,755,569	0	0	0	0
Marine Fisheries; Environmental Management, Department of	134,234	0	134,234	134,234	0	0	0	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	236,546	236,546	0	0	0	0	0	0
Transportation, Department of	1,687,000	0	1,687,000	0	1,450,000	237,000	0	0
Water Resources Board	72,989	0	72,989	0	0	0	72,989	0
South Carolina	53,419,952	32,709,409	20,710,543	6,780,967	699,643	12,760,948	468,985	0
Agriculture, Department of	1,229,068	0	1,229,068	1,229,068	0	0	0	0
Disabilities and Special Needs, Department of	12,227,417	0	12,227,417	0	0	12,227,417	0	0
Health and Environmental Control, Department of	1,824,716	1,824,716	0	0	0	0	0	0
Natural Resources, Department of	29,190,303	28,539,233	651,070	612,821	0	3,786	34,463	0
Public Service Authority	512,345	0	512,345	30,000	0	482,345	0	0
Research Authority	2,075,537	0	2,075,537	1,375,894	699,643	0	0	0
Sea Grant Consortium	4,121,416	2,333,614	1,787,802	1,533,555	0	47,400	206,847	0
Transportation, Department of	2,239,150	11,846	2,227,304	1,999,629	0	0	227,675	0
South Dakota	5,227,211	273,454	4,953,757	3,379,907	1,311,405	37,445	225,000	0
Corn Utilization Council	37,445	0	37,445	0	0	37,445	0	0
Midwest Dairy Association, South Dakota Division	90,090	0	90,090	90,090	0	0	0	0
Nutrient Research and Education Council	1,479,262	0	1,479,262	1,411,262	68,000	0	0	0
Oilseeds Council	204,975	0	204,975	204,975	0	0	0	0
Pulse Crop Council	33,610	0	33,610	33,610	0	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Soybean Research and Promotion Council	845,866	29,267	816,599	581,599	10,000	0	225,000	0
Transportation, Department of	1,904,042	244,187	1,659,855	426,450	1,233,405	0	0	0
Weed and Pest Control Commission	47,000	0	47,000	47,000	0	0	0	0
Wheat Commission	584,921	0	584,921	584,921	0	0	0	0
Tennessee	67,457,255	175,000	67,282,255	8,163,359	59,118,896	0	0	0
Education, Department of	57,171,745	0	57,171,745	5,103,700	52,068,045	0	0	0
Environment and Conservation, Department of	50,851	0	50,851	0	50,851	0	0	0
LaunchTN	7,000,000	0	7,000,000	0	7,000,000	0	0	0
Transportation, Department of	3,234,659	175,000	3,059,659	3,059,659	0	0	0	0
Texas	282,261,790	1,993,899	280,267,891	224,879,502	52,747,989	965,656	1,674,744	0
Agriculture, Department of	2,086,663	0	2,086,663	1,686,632	0	400,031	0	0
Alzheimer's Research and Care Consortium (TARCC)	4,384,547	0	4,384,547	4,384,547	0	0	0	0
Cancer Prevention and Research Institute	237,997,927	0	237,997,927	186,815,086	51,182,841	0	0	0
Environmental Quality, Commission on	2,255,204	63,981	2,191,223	1,737,947	453,276	0	0	0
Parks and Wildlife Department	5,484,621	1,578,191	3,906,430	3,164,921	130,310	553,868	57,331	0
State Health Services, Department of	2,257,536	351,727	1,905,809	1,905,809	0	0	0	0
Transportation, Department of	24,220,565	0	24,220,565	23,206,994	0	0	1,013,571	0
Water Development Board	3,574,727	0	3,574,727	1,977,566	981,562	11,757	603,842	0
Utah	10,119,476	7,748,094	2,371,382	1,617,856	753,526	0	0	0
Agriculture and Food, Department of	1,317	0	1,317	1,317	0	0	0	0
Environmental Quality, Department of	1,036,855	273,553	763,302	657,563	105,739	0	0	0
Natural Resources, Department of	6,352,113	6,352,113	0	0	0	0	0	0
Transportation, Department of	2,729,191	1,122,428	1,606,763	958,976	647,787	0	0	0
Vermont	2,833,206	2,163,824	669,382	358,495	290,850	20,037	0	0
Agriculture, Food, and Markets, Agency of	79,783	0	79,783	0	79,783	0	0	0
Human Services, Agency of	1,818,036	1,698,182	119,854	0	99,817	20,037	0	0
Transportation, Agency of	935,387	465,642	469,745	358,495	111,250	0	0	0
Virginia	57,260,560	20,744,159	36,516,401	17,549,067	14,203,660	551,095	4,068,259	144,320
Agriculture and Consumer Services, Department of	3,066,176	0	3,066,176	3,066,176	0	0	0	0
Behavioral Health and Developmental Services, Department of	5,100	5,100	0	0	0	0	0	0
Commonwealth Health Research Board	1,573,838	0	1,573,838	1,573,838	0	0	0	0
Education, Department of	1,115,000	865,000	250,000	250,000	0	0	0	0
Energy, Department of	1,321,426	1,283,426	38,000	38,000	0	0	0	0
Environmental Quality, Department of	382,014	146,816	235,198	90,878	0	0	0	144,320
Forensic Science, Department of	1,067,190	1,067,190	0	0	0	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Forestry, Department of	481,630	481,630	0	0	0	0	0	0
Foundation for Healthy Youth	907,041	0	907,041	907,041	0	0	0	0
Innovation Partnership Corporation	18,076,226	2,366,008	15,710,218	1,472,176	14,179,660	0	58,382	0
Institute for Advanced Learning and Research	68,000	68,000	0	0	0	0	0	0
Marine Resources Commission	2,314,260	558,126	1,756,134	0	0	0	1,756,134	0
Natural History, Museum of	1,001,282	1,001,282	0	0	0	0	0	0
Rail and Public Transportation	1,004,284	879,284	125,000	0	0	0	125,000	0
Social Services, Department of	1,050,000	1,050,000	0	0	0	0	0	0
Transportation, Department of	15,450,372	9,341,820	6,108,552	6,108,552	0	0	0	0
Wildlife Resources, Department of	8,376,721	1,630,477	6,746,244	4,042,406	24,000	551,095	2,128,743	0
Washington	60,479,947	26,263,518	34,216,429	17,661,416	10,027,553	976,419	5,169,251	381,790
Agriculture, Department of	3,880,349	0	3,880,349	2,653,596	844,963	0	0	381,790
Alfalfa Seed Commission	20,000	0	20,000	20,000	0	0	0	0
Asparagus Commission	33,000	0	33,000	0	33,000	0	0	0
Blueberry Commission	77,262	0	77,262	0	77,262	0	0	0
Commerce, Department of	7,387,066	0	7,387,066	220,646	5,036,287	864,995	1,265,138	0
Dairy Products Commission	20,000	0	20,000	20,000	0	0	0	0
Ecology, Department of	2,886,743	2,156,422	730,321	710,101	20,220	0	0	0
Fish and Wildlife, Department of	11,115,720	10,756,073	359,647	17,856	0	0	341,791	0
Fruit Commission	92,424	0	92,424	92,424	0	0	0	0
Grain Commission	2,050,158	0	2,050,158	2,050,158	0	0	0	0
Health, Department of	1,265,000	1,202,000	63,000	63,000	0	0	0	0
Hop Commission	141,228	0	141,228	0	141,228	0	0	0
Labor and Industries, Department of	3,337,518	3,337,518	0	0	0	0	0	0
Mint Commission	35,289	0	35,289	35,289	0	0	0	0
Natural Resources, Department of	11,714,582	6,748,718	4,965,864	2,184,551	1,990,524	11,424	779,365	0
Oilseeds Commission	69,887	0	69,887	69,887	0	0	0	0
Pesticide Registration, Commission on	427,997	0	427,997	427,997	0	0	0	0
Potato Commission	808,462	0	808,462	515,226	109,954	0	183,282	0
Puget Sound Partnership	3,615,000	115,000	3,500,000	700,000	900,000	100,000	1,800,000	0
Pulse Crops Commission	140,077	0	140,077	140,077	0	0	0	0
Red Raspberry Commission	179,481	0	179,481	149,708	29,773	0	0	0
Transportation, Department of	6,136,300	1,627,400	4,508,900	4,164,100	223,000	0	121,800	0
Tree Fruit Research Commission	4,484,773	320,387	4,164,386	2,887,511	599,000	0	677,875	0
Turfgrass Seed Commission	110,619	0	110,619	110,619	0	0	0	0

TABLE 20

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

(Dollars)

State and department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers <sup>b</sup>					
			Total	Higher education institutions	Companies and individuals <sup>c</sup>	Nonprofit organizations <sup>d</sup>	Other governments <sup>e</sup>	All other <sup>f</sup>
Wine Commission	451,012	0	451,012	428,670	22,342	0	0	0
West Virginia	8,731,717	4,773,515	3,958,202	3,147,745	51,957	3,500	705,000	50,000
Agriculture, Department of	43,500	43,500	0	0	0	0	0	0
Geological and Economic Survey	2,516,066	2,094,323	421,743	371,743	0	0	0	50,000
Higher Education Policy Commission	1,832,049	196,339	1,635,710	1,627,210	0	3,500	5,000	0
Justice and Community Services, Division of Administrative Services	105,395	105,395	0	0	0	0	0	0
Natural Resources, Division of	2,148,601	2,074,488	74,113	22,156	51,957	0	0	0
Transportation, Department of	2,086,106	259,470	1,826,636	1,126,636	0	0	700,000	0
Wisconsin	16,366,530	5,377,653	10,988,877	3,877,962	4,223,711	228,352	2,658,402	450
Agriculture, Trade and Consumer Protection, Department of	2,384,761	0	2,384,761	893,896	1,255,338	222,352	13,175	0
Economic Development Corporation	2,096,000	0	2,096,000	0	2,096,000	0	0	0
Natural Resources, Department of	7,574,828	5,100,602	2,474,226	1,755,225	628,551	6,000	84,000	450
Transportation, Department of	4,310,941	277,051	4,033,890	1,228,841	243,822	0	2,561,227	0
Wyoming	9,886,086	4,237,727	5,648,359	1,768,058	3,648,840	52,237	179,224	0
Agriculture, Department of	549,736	0	549,736	270,898	47,377	52,237	179,224	0
Business Council	2,010,000	0	2,010,000	0	2,010,000	0	0	0
Enhanced Oil Recovery Institute	2,049,753	476,536	1,573,217	64,854	1,508,363	0	0	0
Game and Fish Department	1,991,442	1,563,972	427,470	344,370	83,100	0	0	0
State Geological Survey	2,095,403	2,095,403	0	0	0	0	0	0
Transportation, Department of	746,932	101,816	645,116	645,116	0	0	0	0
Water Development Office	442,820	0	442,820	442,820	0	0	0	0
Puerto Rico <sup>h</sup>	47,543,226	30,716,521	16,826,705	7,636,361	5,868,235	0	3,322,109	0
Business Development Office, Economic Development & Commerce	7,190,000	0	7,190,000	3,595,000	3,595,000	0	0	0
Comprehensive Cancer Center	16,142,829	9,702,293	6,440,536	2,562,254	556,173	0	3,322,109	0
Economic Development & Commerce	528,263	0	528,263	360,000	168,263	0	0	0
Health, Department of	17,000,000	17,000,000	0	0	0	0	0	0
Innovation and Technology Services	3,453,922	1,905,123	1,548,799	0	1,548,799	0	0	0
Institute of Statistics	1,615,810	1,615,810	0	0	0	0	0	0
Science, Technology and Research Trust	1,612,402	493,295	1,119,107	1,119,107	0	0	0	0

<sup>a</sup> 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.<sup>b</sup> Extramural performers are those outside the department or agency who perform R&D.<sup>c</sup> Companies and individuals include individuals under contract for research projects.<sup>d</sup> Nonprofit organizations, including foundations.

<sup>e</sup> Other governments include federal government departments and agencies; other departments or agencies within the state; other state governments; and county, city, special district, or regional local governments.

<sup>f</sup> All other performers not elsewhere classified.

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

<sup>h</sup> 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.