

TABLE 22. State agency expenditures for R&D, by state, department or agency, and performer: FY 2012  
(Dollars)

Department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers			
			Total	Academic	Companies or individuals <sup>b</sup>	Other <sup>c</sup>
United States <sup>d</sup>	1,795,159,257	470,517,395	1,324,641,862	766,333,104	390,920,114	167,388,644
Alabama	17,352,984	8,612,718	8,740,266	4,766,607	3,730,211	243,448
Conservation and Natural Resources, Department of	6,511,092	1,118,905	5,392,187	1,418,528	3,730,211	243,448
Forensic Sciences, Department of	336,920	336,920	0	0	0	0
Geological Survey	2,588,932	2,588,932	0	0	0	0
Marine Environmental Science Consortium	4,567,961	4,567,961	0	0	0	0
Transportation, Department of	3,348,079	0	3,348,079	3,348,079	0	0
Alaska	5,467,944	5,346,296	121,648	121,648	0	0
Natural Resources, Department of	5,240,762	5,240,762	0	0	0	0
Transportation and Public Facilities, Department of	227,182	105,534	121,648	121,648	0	0
Arizona	22,809,895	13,303,829	9,506,066	2,434,141	6,747,817	324,108
Agriculture, Department of	753,581	0	753,581	721,578	0	32,003
Game and Fish Department	3,372,974	3,232,974	140,000	50,000	90,000	0
Geological Survey	7,804,412	7,333,195	471,217	95,722	240,290	135,205
Health Services, Department of	8,805,168	1,588,900	7,216,268	1,288,241	5,928,027	0
Transportation, Department of	2,073,760	1,148,760	925,000	278,600	489,500	156,900
Arkansas	15,518,374	3,006,648	12,511,726	12,001,448	510,278	0
Beef Council	67,450	0	67,450	67,450	0	0
Calfish Promotion Board	32,000	0	32,000	32,000	0	0
Corn and Grain Sorghum Board	668,900	0	668,900	618,900	50,000	0
Game and Fish Commission	692,557	568,314	124,243	99,843	24,400	0
Rice Research and Promotion Board	2,318,512	0	2,318,512	2,318,512	0	0
Science and Technology Authority	6,168,326	1,283,473	4,884,853	4,448,975	435,878	0
Soybean Promotion Board	3,250,921	0	3,250,921	3,250,921	0	0
State Highway and Transportation Department	2,057,208	1,154,861	902,347	902,347	0	0
Wheat Promotion Board	262,500	0	262,500	262,500	0	0
California	401,522,758	59,490,293	342,032,465	194,662,355	61,160,057	86,210,053
Air Resources Board	14,346,132	10,050,000	4,296,132	3,453,626	842,506	0
Children and Families Commission	770,468	0	770,468	770,468	0	0
Energy Commission	75,665,000	14,069,000	61,596,000	17,180,570	39,510,563	4,904,867
Environmental Health Hazard Assessment, Office of	12,705,197	12,430,573	274,624	182,543	0	92,081
Food and Agriculture, Department of	2,973,167	0	2,973,167	2,176,158	754,462	42,547
Forestry and Fire Protection, Department of	1,903,305	675,000	1,228,305	320,000	0	908,305
Institute for Regenerative Medicine	231,753,694	0	231,753,694	143,973,753	18,308,090	69,471,851
Motor Vehicles, Department of	1,437,293	1,437,293	0	0	0	0
Pesticide Regulation, Department of	8,369,000	5,395,000	2,974,000	1,422,000	0	1,552,000
Public Health, Genetic Disease, Department of	2,390,350	2,390,350	0	0	0	0
Public Health, Science and Education, Department of	800,000	800,000	0	0	0	0
Resources Recycling and Recovery, Department of	2,042,521	0	2,042,521	1,754,250	245,398	42,873
Social Services, Department of	815,778	15,737	800,041	800,041	0	0
Seismic Safety Commission	459,827	0	459,827	459,827	0	0
State Coastal Conservancy	1,564,593	0	1,564,593	1,050,900	105,533	408,160
State Hospitals, Department of	350,000	0	350,000	350,000	0	0
State Water Resources Control Board	200,000	0	200,000	0	0	200,000
Statewide Health Planning and Development, Office of	175,000	75,000	100,000	100,000	0	0
Transportation, Department of	36,897,000	10,997,000	25,900,000	19,070,000	1,242,000	5,588,000
Water Resources, Department of	5,904,433	1,155,340	4,749,093	1,598,219	151,505	2,999,369
Colorado	14,928,809	8,170,313	6,758,496	2,598,937	1,844,993	2,314,566
Economic Development and International Trade, Office of	3,986,305	0	3,986,305	1,565,353	1,575,000	845,952
Natural Resources, Department of	6,957,024	6,503,327	453,697	453,697	0	0
Public Health and Environment, Department of	1,459,114	0	1,459,114	0	0	1,459,114
Public Safety, Department of	902,386	902,386	0	0	0	0
Transportation, Department of	1,623,980	764,600	859,380	579,887	269,993	9,500

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Connecticut	40,017,523	24,039,989	15,977,534	10,223,022	4,612,846	1,141,666
Agricultural Experiment Station	11,083,069	11,083,069	0	0	0	0
Energy and Environmental Protection, Department of	8,023,426	7,540,617	482,809	284,499	11,528	186,782
Mental Health and Addiction Services, Department of	4,492,470	3,327,278	1,165,192	1,165,192	0	0
Public Health, Department of	12,400,558	211,025	12,189,533	7,448,331	4,601,318	139,884
Transportation, Department of	4,018,000	1,878,000	2,140,000	1,325,000	0	815,000
Delaware	4,635,720	2,181,693	2,454,027	2,454,027	0	0
Geological Survey	1,392,201	1,392,201	0	0	0	0
Natural Resources and Environmental Control, Department of	839,492	789,492	50,000	50,000	0	0
Transportation, Department of	2,404,027	0	2,404,027	2,404,027	0	0
District of Columbia	2,018,447	354,612	1,663,835	1,004,685	659,150	0
Health, Department of	656,448	144,988	511,460	21,507	489,953	0
Transportation, Department of	1,361,999	209,624	1,152,375	983,178	169,197	0
Florida	136,706,540	48,910,954	87,795,586	52,772,948	31,169,945	3,852,693
Agriculture and Consumer Services, Department of	19,111,188	3,256,399	15,854,789	4,349,441	7,862,381	3,642,967
Citrus, Department of	11,250,400	256,182	10,994,218	10,184,145	810,073	0
Environmental Protection, Department of	3,228,954	2,369,670	859,284	710,791	148,493	0
Fish and Wildlife Conservation Commission	44,921,965	43,028,703	1,893,262	1,893,262	0	0
Health, Department of	46,122,505	0	46,122,505	24,233,131	21,889,374	0
Space Florida	737,383	0	737,383	424,262	290,696	22,425
Transportation, Department of	11,334,145	0	11,334,145	10,977,916	168,928	187,301
Georgia	12,820,412	4,145,859	8,674,553	8,674,553	0	0
Herty Advanced Materials Development Center	2,500,000	2,500,000	0	0	0	0
Natural Resources, Department of	2,607,843	1,645,859	961,984	961,984	0	0
Transportation, Department of	7,712,569	0	7,712,569	7,712,569	0	0
Hawaii	11,145,520	4,267,994	6,877,526	2,863,813	3,563,713	450,000
Agriculture, Department of	1,516,064	490,000	1,026,064	576,064	0	450,000
Business, Economic Development, and Tourism, Department of	4,024,303	460,590	3,563,713	0	3,563,713	0
Health, Department of	190,000	190,000	0	0	0	0
Land and Natural Resources, Department of	4,533,302	2,891,404	1,641,898	1,641,898	0	0
Transportation, Department of	881,851	236,000	645,851	645,851	0	0
Idaho	11,785,529	7,179,818	4,605,711	3,366,115	492,416	747,180
Barley Commission	129,566	35,486	94,080	0	0	94,080
Bean Commission	75,171	75,021	150	0	150	0
Environmental Quality, Department of	30,451	0	30,451	0	30,451	0
Fish and Game, Department of	7,391,714	6,460,259	931,455	931,455	0	0
Potato Commission	1,007,267	99,652	907,615	626,000	281,615	0
Transportation Department	1,368,700	209,400	1,159,300	496,000	10,200	653,100
Water Resources, Department of	782,660	300,000	482,660	482,660	0	0
Wheat Commission	1,000,000	0	1,000,000	830,000	170,000	0
Illinois	17,859,438	1,618,580	16,240,858	11,822,012	102,063	4,316,783
Children and Family Services, Department of	8,535,674	0	8,535,674	8,535,674	0	0
Commerce and Economic Opportunity, Department of	21,110	0	21,110	21,110	0	0
Public Health, Department of	1,947,822	0	1,947,822	0	0	1,947,822
Transportation, Department of	7,354,832	1,618,580	5,736,252	3,265,228	102,063	2,368,961
Indiana	7,667,988	870,605	6,797,383	6,111,383	686,000	0
Criminal Justice Institute	413,937	245,000	168,937	168,937	0	0
Economic Development Corporation	806,000	0	806,000	135,000	671,000	0
Natural Resources, Department of	192,000	0	192,000	177,000	15,000	0
Transportation, Department of	6,256,051	625,605	5,630,446	5,630,446	0	0
Iowa	16,147,249	4,376,976	11,770,273	5,298,355	5,448,031	1,023,887
Economic Development Authority, Energy Office	5,207,302	0	5,207,302	484,867	4,722,435	0

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			Total	Academic	Companies or individuals <sup>b</sup>	Other <sup>c</sup>
Human Rights, Criminal and Juvenile Justice Planning, Division of	22,475	22,475	0	0	0	0
Natural Resources, Department of	3,278,552	3,278,552	0	0	0	0
Transportation, Department of	7,638,920	1,075,949	6,562,971	4,813,488	725,596	1,023,887
Kansas	6,160,680	1,484,948	4,675,732	3,731,670	0	944,062
Transportation, Department of	5,147,330	1,484,948	3,662,382	2,718,320	0	944,062
Wheat Commission	1,013,350	0	1,013,350	1,013,350	0	0
Kentucky	19,886,257	2,893,270	16,992,987	9,221,242	7,771,745	0
Budget and Fiscal Management, Office of	4,074,600	350,000	3,724,600	3,724,600	0	0
Early Childhood, Governor's Office of	247,996	0	247,996	247,996	0	0
Economic Development, Cabinet for	7,634,353	0	7,634,353	0	7,634,353	0
Education Professional Standards Board	427,730	400,754	26,976	26,976	0	0
Energy Development and Independence, Department for	2,265,142	0	2,265,142	2,265,142	0	0
Fish and Wildlife Resources, Department of	2,569,823	2,104,516	465,307	327,915	137,392	0
Horse Racing Commission	478,313	0	478,313	478,313	0	0
Public Health, Department for	2,150,300	0	2,150,300	2,150,300	0	0
State Nature Preserves Commission	38,000	38,000	0	0	0	0
Louisiana	18,143,396	4,884,739	13,258,657	4,896,322	8,362,335	0
Coastal Protection and Restoration Authority	8,620,668	240,000	8,380,668	740,000	7,640,668	0
Transportation and Development, Department of	6,975,472	2,569,838	4,405,634	3,754,478	651,156	0
Wildlife and Fisheries, Department of	2,547,256	2,074,901	472,355	401,844	70,511	0
Maine	7,094,736	1,071,798	6,022,938	774,416	20,000	5,228,522
Agriculture, Conservation and Forestry, Department of	380,000	380,000	0	0	0	0
Drug Enforcement Agency	75,000	0	75,000	75,000	0	0
Environmental Protection, Department of	205,000	120,000	85,000	65,000	20,000	0
Inland Fisheries and Wildlife, Department of	27,000	0	27,000	27,000	0	0
Marine Resources, Department of	824,751	292,775	531,976	531,976	0	0
Technology Institute	5,228,522	0	5,228,522	0	0	5,228,522
Transportation, Department of	354,463	279,023	75,440	75,440	0	0
Maryland	21,890,225	513,661	21,376,564	19,177,600	1,800,500	398,464
Business and Economic Development, Department of	1,650,500	0	1,650,500	0	1,650,500	0
Health and Mental Hygiene, Department of	2,400,000	0	2,400,000	2,400,000	0	0
Natural Resources, Department of	763,777	323,661	440,116	219,763	150,000	70,353
Technology Development Corporation	15,147,837	0	15,147,837	15,147,837	0	0
Transportation, Department of	1,928,111	190,000	1,738,111	1,410,000	0	328,111
Massachusetts	3,918,500	917,177	3,001,323	1,896,714	368,040	736,569
Environmental Protection, Department of	236,527	172,480	64,047	23,998	40,049	0
Fish and Game, Department of	691,602	603,883	87,719	0	87,719	0
Mental Health, Department of	1,889,449	140,814	1,748,635	1,748,635	0	0
Public Health, Department of	1,100,922	0	1,100,922	124,081	240,272	736,569
Michigan	12,557,954	2,277,811	10,280,143	6,062,378	1,017,765	3,200,000
Agriculture and Rural Development, Department of	437,895	0	437,895	420,130	17,765	0
Natural Resources, Department of	3,220,059	577,811	2,642,248	2,642,248	0	0
Transportation, Department of	8,900,000	1,700,000	7,200,000	3,000,000	1,000,000	3,200,000
Minnesota	11,524,686	1,471,472	10,053,214	5,625,911	3,432,597	994,706
Agriculture Department	3,907,984	813,000	3,094,984	1,141,674	1,794,893	158,417
Forest Resources Council	45,273	45,273	0	0	0	0
Pollution Control Agency	63,177	0	63,177	63,177	0	0
Transportation, Department of	7,508,252	613,199	6,895,053	4,421,060	1,637,704	836,289
Mississippi	6,260,080	1,890,566	4,369,514	1,702,322	1,471,567	1,195,625
Transportation, Department of	4,801,812	939,416	3,862,396	1,265,555	1,401,216	1,195,625
Wildlife, Fisheries, and Parks, Department of	1,458,268	951,150	507,118	436,767	70,351	0

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Missouri	13,041,450	7,274,626	5,766,824	3,770,795	1,563,887	432,142
Agriculture, Department of	349,210	0	349,210	349,210	0	0
Conservation, Department of	8,795,535	6,544,654	2,250,881	2,115,501	0	135,380
Natural Resources, Department of	706,697	135,541	571,156	446,503	55,448	69,205
Transportation, Department of	3,190,008	594,431	2,595,577	859,581	1,508,439	227,557
Montana	6,841,897	1,669,440	5,172,457	3,197,818	943,223	1,031,416
Agriculture, Department of	2,015,402	0	2,015,402	1,404,745	610,657	0
Commerce, Department of	87,163	0	87,163	87,163	0	0
Environmental Quality, Department of	33,472	24,624	8,848	6,128	2,720	0
Fish, Wildlife and Parks	1,757,432	1,376,828	380,604	372,604	0	8,000
Natural Resources and Conservation, Department of	1,327,228	0	1,327,228	385,792	0	941,436
Transportation, Department of	1,621,200	267,988	1,353,212	941,386	329,846	81,980
Nebraska	6,367,304	303,472	6,063,832	2,910,814	1,895,848	1,257,170
Agriculture, Department of	387,118	0	387,118	305,577	81,541	0
Corn Board	267,123	0	267,123	267,123	0	0
Dry Bean Commission	150,089	150,089	0	0	0	0
Economic Development, Department of	1,893,383	0	1,893,383	298,450	1,594,933	0
Grain Sorghum Board	15,000	0	15,000	15,000	0	0
Natural Resources, Department of	1,701,779	150,169	1,551,610	87,920	206,520	1,257,170
Roads, Department of	1,631,444	0	1,631,444	1,631,444	0	0
Wheat Board	321,368	3,214	318,154	305,300	12,854	0
Nevada	1,166,762	376,301	790,461	694,670	95,791	0
Transportation, Department of	1,119,857	374,743	745,114	649,323	95,791	0
Wildlife, Department of	46,905	1,558	45,347	45,347	0	0
New Hampshire	2,241,149	760,392	1,480,757	797,750	583,338	99,669
Agriculture, Markets and Food, Department of	100,066	0	100,066	100,066	0	0
Resources and Economic Development, Department of	761,000	377,000	384,000	0	384,000	0
Transportation, Department of	1,380,083	383,392	996,691	697,684	199,338	99,669
New Jersey	17,818,258	2,952,996	14,865,262	14,103,395	100,000	661,867
Brain Injury Research, Commission on	3,856,178	127,675	3,728,503	3,066,636	0	661,867
Cancer Research, Commission on	1,118,015	0	1,118,015	1,118,015	0	0
Environmental Protection, Department of	2,742,767	1,456,100	1,286,667	1,286,667	0	0
Medical Research and Treatment of Autism, Governor's Council for	3,930,000	183,080	3,746,920	3,746,920	0	0
Spinal Cord Research, Commission on	2,395,107	133,028	2,262,079	2,262,079	0	0
Transportation, Department of	3,776,191	1,053,113	2,723,078	2,623,078	100,000	0
New Mexico	1,793,561	671,314	1,122,247	1,036,528	85,719	0
Transportation, Department of	1,793,561	671,314	1,122,247	1,036,528	85,719	0
New York	171,841,187	76,176,309	95,664,878	47,328,762	27,392,780	20,943,336
Agriculture and Markets, Department of	4,166,404	2,520,000	1,646,404	1,596,404	0	50,000
Empire State Development	29,975,639	767,676	29,207,963	27,441,600	0	1,766,363
Energy Research and Development Authority	49,967,821	8,668,393	41,299,428	5,810,524	25,983,120	9,505,784
Environmental Conservation, Department of	7,342,873	1,952,180	5,390,693	4,754,917	185,776	450,000
Health, Department of	66,731,547	51,713,113	15,018,434	5,557,171	341,263	9,120,000
State Museum	9,911,688	8,430,806	1,480,882	1,384,567	45,126	51,189
Transportation, Department of	3,745,215	2,124,141	1,621,074	783,579	837,495	0
North Carolina	32,529,885	20,437,242	12,092,643	11,992,983	39,801	59,859
Agriculture and Consumer Services, Department of	17,944,847	13,544,847	4,400,000	4,400,000	0	0
Environment and Natural Resources, Department of	5,319,038	4,852,395	466,643	366,983	39,801	59,859
Transportation, Department of	9,266,000	2,040,000	7,226,000	7,226,000	0	0
North Dakota	6,034,991	530,023	5,504,968	3,808,257	1,140,311	556,400
Agriculture, Department of	137,903	0	137,903	137,903	0	0
Lignite Research Council	560,634	297,134	263,500	98,500	85,000	80,000

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Mineral Resources, Department of	50,000	5,000	45,000	25,000	20,000	0
Oil and Gas Program	860,219	97,997	762,222	434,892	107,330	220,000
Renewable Energy Research Program	1,472,482	62,998	1,409,484	690,859	507,225	211,400
Soybean Council	904,207	0	904,207	904,207	0	0
Transportation, Department of	569,931	66,894	503,037	82,281	420,756	0
Wheat Commission	1,479,615	0	1,479,615	1,434,615	0	45,000
Ohio	153,382,845	2,246,092	151,136,753	6,583,380	144,370,849	182,524
Development Services Agency	143,949,463	0	143,949,463	0	143,949,463	0
Mental Health and Addiction Services, Department of	420,000	420,000	0	0	0	0
Natural Resources, Department of	4,952,239	1,528,995	3,423,244	3,423,244	0	0
Transportation, Department of	4,061,143	297,097	3,764,046	3,160,136	421,386	182,524
Oklahoma	23,133,843	1,057,822	22,076,021	17,116,145	3,786,126	1,173,750
Advancement of Science and Technology, Center for the	10,090,791	0	10,090,791	5,431,748	3,485,293	1,173,750
Agriculture, Food, and Forestry, Department of	1,008,868	5,000	1,003,868	882,395	121,473	0
Grand River Dam Authority	100,000	100,000	0	0	0	0
Health, State Department of	829,825	16,825	813,000	813,000	0	0
Sorghum Commission	12,500	0	12,500	12,500	0	0
Tobacco Settlement Endowment Trust	6,051,216	0	6,051,216	6,051,216	0	0
Transportation, Department of	2,721,721	935,997	1,785,724	1,785,724	0	0
Wheat Commission	200,860	0	200,860	21,500	179,360	0
Wildlife Conservation, Department of	2,118,062	0	2,118,062	2,118,062	0	0
Oregon	22,003,035	18,162,372	3,840,663	2,886,908	25,956	927,799
Agriculture, Department of	239,145	0	239,145	139,145	0	100,000
Fish and Wildlife, Department of	13,732,500	13,607,500	125,000	125,000	0	0
Forestry, Department of	325,868	21,379	304,489	303,482	1,007	0
Geology and Mineral Industries, Department of	3,995,911	3,853,022	142,889	142,889	0	0
Transportation, Department of	2,004,957	649,573	1,355,384	1,355,384	0	0
Watershed Enhancement Board	1,704,654	30,898	1,673,756	821,008	24,949	827,799
Pennsylvania	80,600,099	5,632,495	74,967,604	41,556,324	12,796,777	20,614,503
Agriculture, Department of	708,000	0	708,000	591,714	0	116,286
Community and Economic Development, Department of	13,876,129	0	13,876,129	6,163,627	7,712,502	0
Conservation and Natural Resources, Department of	752,315	210,638	541,677	129,693	238,485	173,499
Environmental Protection, Department of	2,135,435	468,953	1,666,482	1,532,522	133,960	0
Fish and Boat Commission	895,025	634,178	260,847	9,228	0	251,619
Game Commission	4,406,340	3,721,121	685,219	685,219	0	0
Health, Department of	54,088,921	0	54,088,921	31,009,324	3,006,498	20,073,099
Transportation, Department of	3,737,934	597,605	3,140,329	1,434,997	1,705,332	0
Rhode Island	2,028,402	20,000	2,008,402	1,830,857	177,545	0
Commerce Corporation	1,419,271	0	1,419,271	1,241,726	177,545	0
Transportation, Department of	609,131	20,000	589,131	589,131	0	0
South Carolina	72,467,293	49,917,998	22,549,295	11,758,222	10,685,654	105,419
Agriculture, Department of	402,388	0	402,388	222,388	180,000	0
Mental Health, Department of	189,334	88,450	100,884	100,884	0	0
Natural Resources, Department of	44,211,153	42,879,125	1,332,028	1,332,028	0	0
Research Authority	24,069,114	6,634,012	17,435,102	6,824,029	10,505,654	105,419
Sea Grant Consortium	1,826,972	307,007	1,519,965	1,519,965	0	0
Transportation, Department of	1,768,332	9,404	1,758,928	1,758,928	0	0
South Dakota	3,447,633	60,976	3,386,657	2,102,173	1,284,484	0
Agriculture, Department of	75,000	0	75,000	75,000	0	0
Game, Fish and Parks	1,894,989	0	1,894,989	1,835,050	59,939	0
Transportation, Department of	1,477,644	60,976	1,416,668	192,123	1,224,545	0
Tennessee	4,293,334	762,313	3,531,021	3,531,021	0	0
Environment and Conservation, Division of Archaeology, Department of	61,313	61,313	0	0	0	0

TABLE 22. State agency expenditures for R&D, by state, department or agency, and performer: FY 2012  
(Dollars)

Department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers			
			Total	Academic	Companies or individuals <sup>b</sup>	Other <sup>c</sup>
Environment and Conservation, Division of Remediation, Department of	681,000	681,000	0	0	0	0
Environment and Conservation, Division of Water Resources, Department of	175,000	20,000	155,000	155,000	0	0
Geological Survey	6,553	0	6,553	6,553	0	0
Transportation, Department of	3,369,468	0	3,369,468	3,369,468	0	0
<b>Texas</b>	<b>146,989,380</b>	<b>12,375,067</b>	<b>134,614,313</b>	<b>112,740,527</b>	<b>21,428,113</b>	<b>445,673</b>
Agriculture, Department of	2,147,725	0	2,147,725	2,114,775	0	32,950
Cancer Prevention and Research Institute	115,488,847	9,611,384	105,877,463	84,851,043	21,026,420	0
Environmental Quality, Commission on	1,000,000	0	1,000,000	1,000,000	0	0
Health and Human Services Commission	160,000	160,000	0	0	0	0
Parks and Wildlife Department	3,111,887	1,085,874	2,026,013	1,945,429	80,584	0
Transportation, Department of	22,715,697	760,430	21,955,267	21,955,267	0	0
Water Development Board	2,365,224	757,379	1,607,845	874,013	321,109	412,723
<b>Utah</b>	<b>47,388,335</b>	<b>17,654,475</b>	<b>29,733,860</b>	<b>29,508,860</b>	<b>225,000</b>	<b>0</b>
Health, Department of	274,475	274,475	0	0	0	0
Natural Resources, Department of	16,400,000	16,400,000	0	0	0	0
Science Technology and Research Initiative, Governor's Office of Economic Development	28,683,860	0	28,683,860	28,563,860	120,000	0
Transportation, Department of	2,030,000	980,000	1,050,000	945,000	105,000	0
<b>Vermont</b>	<b>1,653,315</b>	<b>1,074,198</b>	<b>579,117</b>	<b>461,772</b>	<b>117,345</b>	<b>0</b>
Agriculture, Food, and Markets, Agency of	671,077	602,577	68,500	34,250	34,250	0
Human Services, Agency of	160,853	160,853	0	0	0	0
Natural Resources, Agency of	115,469	107,310	8,159	8,159	0	0
Transportation, Agency of	705,916	203,458	502,458	419,363	83,095	0
<b>Virginia</b>	<b>24,379,497</b>	<b>8,766,523</b>	<b>15,612,974</b>	<b>11,505,595</b>	<b>3,700,000</b>	<b>407,379</b>
Agriculture and Consumer Services, Department of	1,552,434	0	1,552,434	1,545,055	0	7,379
Consolidated Laboratory Services, Division of	303,000	303,000	0	0	0	0
Corrections, Department of	1,085,144	1,085,144	0	0	0	0
Forensic Science, Department of	159,944	159,944	0	0	0	0
Innovative Technology, Center for	6,590,000	260,000	6,330,000	2,230,000	3,700,000	400,000
Marine Resources Commission	2,769,016	0	2,769,016	2,769,016	0	0
Mines, Minerals and Energy, Department of	1,446,394	1,446,394	0	0	0	0
Natural History, Museum of	559,119	559,119	0	0	0	0
Transportation, Department of	9,914,446	4,952,922	4,961,524	4,961,524	0	0
<b>Washington</b>	<b>49,553,326</b>	<b>12,875,297</b>	<b>36,678,029</b>	<b>25,152,740</b>	<b>8,949,782</b>	<b>2,575,507</b>
Archaeology and Historic Preservation, Department of	234,565	234,565	0	0	0	0
Agriculture, Department of	446,409	0	446,409	400,832	41,818	3,759
Ecology, Department of	332,220	144,000	188,220	152,500	720	35,000
Fish and Wildlife, Department of	5,005,913	4,805,913	200,000	200,000	0	0
Grain Commission	2,540,857	0	2,540,857	2,540,857	0	0
Labor and Industries, Department of	2,811,637	2,811,637	0	0	0	0
Life Sciences Discovery Fund	22,801,588	1,525,000	21,276,588	16,981,988	4,294,600	0
Natural Resources, Department of	5,247,161	1,283,464	3,963,697	4,132	1,422,817	2,536,748
Potato Commission	986,084	116,400	869,684	869,684	0	0
Puget Sound Partnership	282,647	12,300	270,347	2,795	267,552	0
Red Raspberry Commission	123,033	0	123,033	114,263	8,770	0
Transportation, Department of	4,893,607	1,517,018	3,376,589	463,084	2,913,505	0
Tree Fruit Research Commission	3,675,000	425,000	3,250,000	3,250,000	0	0
Wine Commission	172,605	0	172,605	172,605	0	0
<b>West Virginia</b>	<b>33,580,156</b>	<b>4,965,278</b>	<b>28,614,878</b>	<b>28,069,044</b>	<b>134,098</b>	<b>411,736</b>
Agriculture, Department of	206,137	206,137	0	0	0	0
Geological and Economic Survey	2,258,374	1,252,640	1,005,734	459,900	134,098	411,736
Higher Education Policy Commission	28,585,672	976,528	27,609,144	27,609,144	0	0
Justice and Community Services, Division of	11,973	11,973	0	0	0	0

TABLE 22. State agency expenditures for R&D, by state, department or agency, and performer: FY 2012  
(Dollars)

Department or agency	All R&D expenditures	Intramural performers <sup>a</sup>	Extramural performers			
			Total	Academic	Companies or individuals <sup>b</sup>	Other <sup>c</sup>
Transportation, Department of	2,518,000	2,518,000	0	0	0	0
Wisconsin	17,861,390	6,896,219	10,965,171	4,839,791	4,117,217	2,008,163
Agriculture, Trade and Consumer Protection, Department of	864,399	213,915	650,484	626,674	23,810	0
Economic Development Corporation	3,781,450	0	3,781,450	0	3,781,450	0
Natural Resources, Department of	9,081,222	6,350,648	2,730,574	2,388,805	107,970	233,799
Transportation, Department of	4,134,319	331,656	3,802,663	1,824,312	203,987	1,774,364
Wyoming	6,879,286	3,615,536	3,263,750	2,783,349	308,401	172,000
Agriculture, Department of	293,909	0	293,909	121,909	0	172,000
Environmental Quality, Department of	100,000	0	100,000	100,000	0	0
Game and Fish Department	1,730,051	380,424	1,349,627	1,290,325	59,302	0
State Geological Survey	2,482,744	2,482,744	0	0	0	0
Transportation, Department of	1,872,582	752,368	1,120,214	871,115	249,099	0
Water Development Commission	400,000	0	400,000	400,000	0	0
Puerto Rico <sup>e</sup>	7,625,412	6,360,716	1,264,696	1,051,756	106,470	106,470
Agriculture, Department of	507,174	507,174	0	0	0	0
Health, Department of	3,122,975	3,122,975	0	0	0	0
Highways and Transportation Authority	200,000	0	200,000	200,000	0	0
Hospital San Juan <sup>f, g</sup>	1,933,258	1,933,258	0	0	0	0
Institute of Statistics	11,774	11,774	0	0	0	0
Manufacturing Extension, Incorporated <sup>f</sup>	380,860	380,860	0	0	0	0
Mental Health and Anti-Addiction Services Administration <sup>f</sup>	404,675	404,675	0	0	0	0
Science, Technology and Research Trust	1,064,696	0	1,064,696	851,756	106,470	106,470

<sup>a</sup> Intramural performers include employees within the same state department or agency in support of an internal R&D project.

<sup>b</sup> Companies and individuals include individuals under contract for research projects.

<sup>c</sup> Other includes federal government; nonprofit organizations; city, county, regional, or other local governments; other departments or agencies within the same state; and other state governments.

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

<sup>e</sup> Puerto Rico is not included in U.S. total due to its classification as a U.S. territory.

<sup>f</sup> Data are provided as imputed by the Puerto Rico Institute of Statistics.

<sup>g</sup> Operated by the San Juan municipal government.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FYs 2012 and 2013.