

TABLE 18. State agency expenditures for R&D for all performers, by state, department or agency, and source of funds: FY 2012  
(Dollars)

Department or agency	Total	Federal government	State and all others <sup>a</sup>
United States <sup>b</sup>	1,795,159,257	433,418,386	1,361,740,871
Alabama	17,352,984	12,966,760	4,386,224
Conservation and Natural Resources, Department of	6,511,092	5,961,640	549,452
Forensic Sciences, Department of	336,920	0	336,920
Geological Survey	2,588,932	1,194,261	1,394,671
Marine Environmental Science Consortium	4,567,961	3,034,395	1,533,566
Transportation, Department of	3,348,079	2,776,464	571,615
Alaska	5,467,944	206,004	5,261,940
Natural Resources, Department of	5,240,762	0	5,240,762
Transportation and Public Facilities, Department of	227,182	206,004	21,178
Arizona	22,809,895	12,004,585	10,805,310
Agriculture, Department of	753,581	603,598	149,983
Game and Fish Department	3,372,974	2,782,974	590,000
Geological Survey	7,804,412	6,975,013	829,399
Health Services, Department of	8,805,168	0	8,805,168
Transportation, Department of	2,073,760	1,643,000	430,760
Arkansas	15,518,374	8,031,452	7,486,922
Beef Council	67,450	0	67,450
Catfish Promotion Board	32,000	0	32,000
Corn and Grain Sorghum Board	668,900	0	668,900
Game and Fish Commission	692,557	692,557	0
Rice Research and Promotion Board	2,318,512	2,318,512	0
Science and Technology Authority	6,168,326	3,547,975	2,620,351
Soybean Promotion Board	3,250,921	0	3,250,921
State Highway and Transportation Department	2,057,208	1,472,408	584,800
Wheat Promotion Board	262,500	0	262,500
California	401,522,758	22,646,488	378,876,270
Air Resources Board	14,346,132	0	14,346,132
Children and Families Commission	770,468	0	770,468
Energy Commission	75,665,000	1,087,000	74,578,000
Environmental Health Hazard Assessment, Office of	12,705,197	0	12,705,197
Institute for Regenerative Medicine	231,753,694	0	231,753,694
Food and Agriculture, Department of	2,973,167	653,500	2,319,667
Forestry and Fire Protection, Department of	1,903,305	950,000	953,305
Motor Vehicles, Department of	1,437,293	907,810	529,483
Pesticide Regulation, Department of	8,369,000	21,000	8,348,000
Public Health, Genetic Disease, Department of	2,390,350	2,162,000	228,350
Public Health, Science and Education, Department of	800,000	50,000	750,000
Resources Recycling and Recovery, Department of	2,042,521	0	2,042,521
Seismic Safety Commission	459,827	0	459,827
Social Services, Department of	815,778	814,178	1,600
State Coastal Conservancy	1,564,593	0	1,564,593
State Hospitals, Department of	350,000	0	350,000
State Water Resources Control Board	200,000	0	200,000
Statewide Health Planning and Development, Office of	175,000	0	175,000
Transportation, Department of	36,897,000	15,863,000	21,034,000
Water Resources, Department of	5,904,433	138,000	5,766,433
Colorado	14,928,809	5,170,087	9,758,722
Economic Development and International Trade, Office of	3,986,305	0	3,986,305
Natural Resources, Department of	6,957,024	2,087,527	4,869,497
Public Health and Environment, Department of	1,459,114	1,459,114	0
Public Safety, Department of	902,386	152,386	750,000
Transportation, Department of	1,623,980	1,471,060	152,920
Connecticut	40,017,523	11,904,666	28,112,857
Agricultural Experiment Station	11,083,069	3,129,814	7,953,255

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Department or agency	Total	Federal government	State and all others <sup>a</sup>
Energy and Environmental Protection, Department of	8,023,426	4,558,712	3,464,714
Mental Health and Addiction Services, Department of	4,492,470	1,391,140	3,101,330
Public Health, Department of	12,400,558	0	12,400,558
Transportation, Department of	4,018,000	2,825,000	1,193,000
Delaware	4,635,720	1,687,502	2,948,218
Geological Survey	1,392,201	216,788	1,175,413
Natural Resources and Environmental Control, Department of	839,492	336,315	503,177
Transportation, Department of	2,404,027	1,134,399	1,269,628
District of Columbia	2,018,447	1,712,507	305,940
Health, Department of	656,448	656,448	0
Transportation, Department of	1,361,999	1,056,059	305,940
Florida	136,706,540	26,701,503	110,005,037
Agriculture and Consumer Services, Department of	19,111,188	5,020,853	14,090,335
Citrus, Department of	11,250,400	105,794	11,144,606
Environmental Protection, Department of	3,228,954	387,085	2,841,869
Fish and Wildlife Conservation Commission	44,921,965	13,878,520	31,043,445
Health, Department of	46,122,505	0	46,122,505
Space Florida	737,383	0	737,383
Transportation, Department of	11,334,145	7,309,251	4,024,894
Georgia	12,820,412	8,600,759	4,219,653
Herty Advanced Materials Development Center	2,500,000	0	2,500,000
Natural Resources, Department of	2,607,843	2,002,655	605,188
Transportation, Department of	7,712,569	6,598,104	1,114,465
Hawaii	11,145,520	8,180,435	2,965,085
Agriculture, Department of	1,516,064	1,266,064	250,000
Business, Economic Development, and Tourism, Department of	4,024,303	4,024,303	0
Health, Department of	190,000	130,000	60,000
Land and Natural Resources, Department of	4,533,302	2,243,387	2,289,915
Transportation, Department of	881,851	516,681	365,170
Idaho	11,785,529	6,959,273	4,826,256
Barley Commission	129,566	0	129,566
Bean Commission	75,171	46,783	28,388
Environmental Quality, Department of	30,451	30,451	0
Fish and Game, Department of	7,391,714	5,617,839	1,773,875
Potato Commission	1,007,267	50,000	957,267
Transportation Department	1,368,700	1,214,200	154,500
Water Resources, Department of	782,660	0	782,660
Wheat Commission	1,000,000	0	1,000,000
Illinois	17,859,438	5,421,531	12,437,907
Children and Family Services, Department of	8,535,674	940,407	7,595,267
Commerce and Economic Opportunity, Department of	21,110	0	21,110
Public Health, Department of	1,947,822	0	1,947,822
Transportation, Department of	7,354,832	4,481,124	2,873,708
Indiana	7,667,988	6,187,545	1,480,443
Criminal Justice Institute	413,937	413,937	0
Economic Development Corporation	806,000	671,000	135,000
Natural Resources, Department of	192,000	15,000	177,000
Transportation, Department of	6,256,051	5,087,608	1,168,443
Iowa	16,147,249	3,370,143	12,777,106
Economic Development Authority, Energy Office	5,207,302	0	5,207,302
Human Rights, Criminal and Juvenile Justice Planning, Division of	22,475	12,106	10,369
Natural Resources, Department of	3,278,552	0	3,278,552
Transportation, Department of	7,638,920	3,358,037	4,280,883

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Department or agency	Total	Federal government	State and all others <sup>a</sup>
Kansas	6,160,680	3,356,770	2,803,910
Transportation, Department of	5,147,330	3,356,770	1,790,560
Wheat Commission	1,013,350	0	1,013,350
Kentucky	19,886,257	6,170,250	13,716,007
Budget and Fiscal Management, Office of	4,074,600	3,724,600	350,000
Early Childhood, Governor's Office of	247,996	247,996	0
Economic Development, Cabinet for	7,634,353	0	7,634,353
Education Professional Standards Board	427,730	122,520	305,210
Energy Development and Independence, Department for	2,265,142	0	2,265,142
Fish and Wildlife Resources, Department of	2,569,823	2,037,134	532,689
Horse Racing Commission	478,313	0	478,313
Public Health, Department for	2,150,300	0	2,150,300
State Nature Preserves Commission	38,000	38,000	0
Louisiana	18,143,396	7,295,467	10,847,929
Coastal Protection and Restoration Authority	8,620,668	600,000	8,020,668
Transportation and Development, Department of	6,975,472	5,469,720	1,505,752
Wildlife and Fisheries, Department of	2,547,256	1,225,747	1,321,509
Maine	7,094,736	1,167,751	5,926,985
Agriculture, Conservation and Forestry, Department of	380,000	120,000	260,000
Drug Enforcement Agency	75,000	0	75,000
Environmental Protection, Department of	205,000	0	205,000
Inland Fisheries and Wildlife, Department of	27,000	27,000	0
Marine Resources, Department of	824,751	824,751	0
Technology Institute	5,228,522	0	5,228,522
Transportation, Department of	354,463	196,000	158,463
Maryland	21,890,225	1,888,327	20,001,898
Business and Economic Development, Department of	1,650,500	0	1,650,500
Health and Mental Hygiene, Department of	2,400,000	0	2,400,000
Natural Resources, Department of	763,777	345,838	417,939
Technology Development Corporation	15,147,837	0	15,147,837
Transportation, Department of	1,928,111	1,542,489	385,622
Massachusetts	3,918,500	1,328,828	2,589,672
Environmental Protection, Department of	236,527	18,054	218,473
Fish and Game, Department of	691,602	209,852	481,750
Mental Health, Department of	1,889,449	0	1,889,449
Public Health, Department of	1,100,922	1,100,922	0
Michigan	12,557,954	8,187,688	4,370,266
Agriculture and Rural Development, Department of	437,895	252,800	185,095
Natural Resources, Department of	3,220,059	1,534,888	1,685,171
Transportation, Department of	8,900,000	6,400,000	2,500,000
Minnesota	11,524,686	3,718,840	7,805,846
Agriculture, Department of	3,907,984	528,000	3,379,984
Forest Resources Council	45,273	0	45,273
Pollution Control Agency	63,177	0	63,177
Transportation, Department of	7,508,252	3,190,840	4,317,412
Mississippi	6,260,080	5,174,275	1,085,805
Transportation, Department of	4,801,812	4,080,574	721,238
Wildlife, Fisheries, and Parks, Department of	1,458,268	1,093,701	364,567
Missouri	13,041,450	3,702,943	9,338,507
Agriculture, Department of	349,210	0	349,210
Conservation, Department of	8,795,535	58,514	8,737,021
Natural Resources, Department of	706,697	644,639	62,058
Transportation, Department of	3,190,008	2,999,790	190,218

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Department or agency	Total	Federal government	State and all others <sup>a</sup>
Montana	6,841,897	2,907,039	3,934,858
Agriculture, Department of	2,015,402	203,468	1,811,934
Commerce, Department of	87,163	0	87,163
Environmental Quality, Department of	33,472	13,247	20,225
Fish, Wildlife and Parks	1,757,432	1,256,577	500,855
Natural Resources and Conservation, Department of	1,327,228	0	1,327,228
Transportation, Department of	1,621,200	1,433,747	187,453
Nebraska	6,367,304	1,900,163	4,467,141
Agriculture, Department of	387,118	268,719	118,399
Corn Board	267,123	0	267,123
Dry Bean Commission	150,089	0	150,089
Economic Development, Department of	1,893,383	0	1,893,383
Grain Sorghum Board	15,000	0	15,000
Natural Resources, Department of	1,701,779	0	1,701,779
Roads, Department of	1,631,444	1,631,444	0
Wheat Board	321,368	0	321,368
Nevada	1,166,762	469,512	697,250
Transportation, Department of	1,119,857	452,160	667,697
Wildlife, Department of	46,905	17,352	29,553
New Hampshire	2,241,149	1,302,649	938,500
Agriculture, Markets and Food, Department of	100,066	37,881	62,185
Resources and Economic Development, Department of	761,000	77,000	684,000
Transportation, Department of	1,380,083	1,187,768	192,315
New Jersey	17,818,258	3,628,894	14,189,364
Brain Injury Research, Commission on	3,856,178	0	3,856,178
Cancer Research, Commission on	1,118,015	0	1,118,015
Environmental Protection, Department of	2,742,767	272,916	2,469,851
Medical Research and Treatment of Autism, Governor's Council for	3,930,000	0	3,930,000
Spinal Cord Research, Commission on	2,395,107	0	2,395,107
Transportation, Department of	3,776,191	3,355,978	420,213
New Mexico	1,793,561	1,434,849	358,712
Transportation, Department of	1,793,561	1,434,849	358,712
New York	171,841,187	47,591,963	124,249,224
Agriculture and Markets, Department of	4,166,404	4,096,404	70,000
Empire State Development	29,975,639	872,520	29,103,119
Energy Research and Development Authority	49,967,821	0	49,967,821
Environmental Conservation, Department of	7,342,873	3,878,398	3,464,475
Health, Department of	66,731,547	35,288,047	31,443,500
State Museum	9,911,688	460,422	9,451,266
Transportation, Department of	3,745,215	2,996,172	749,043
North Carolina	32,529,885	7,904,917	24,624,968
Agriculture and Consumer Services, Department of	17,944,847	0	17,944,847
Environment and Natural Resources, Department of	5,319,038	915,117	4,403,921
Transportation, Department of	9,266,000	6,989,800	2,276,200
North Dakota	6,034,991	540,086	5,494,905
Agriculture, Department of	137,903	0	137,903
Lignite Research Council	560,634	0	560,634
Mineral Resources, Department of	50,000	0	50,000
Oil and Gas Program	860,219	0	860,219
Renewable Energy Research Program	1,472,482	0	1,472,482
Soybean Council	904,207	0	904,207
Transportation, Department of	569,931	540,086	29,845
Wheat Commission	1,479,615	0	1,479,615

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Department or agency	Total	Federal government	State and all others <sup>a</sup>
Ohio	153,382,845	6,415,795	146,967,050
Development Services Agency	143,949,463	0	143,949,463
Mental Health and Addiction Services, Department of	420,000	0	420,000
Natural Resources, Department of	4,952,239	3,404,558	1,547,681
Transportation, Department of	4,061,143	3,011,237	1,049,906
Oklahoma	23,133,843	5,283,506	17,850,337
Advancement of Science and Technology, Center for the	10,090,791	0	10,090,791
Agriculture, Food, and Forestry, Department of	1,008,868	126,473	882,395
Grand River Dam Authority	100,000	0	100,000
Health, State Department of	829,825	813,425	16,400
Sorghum Commission	12,500	0	12,500
Tobacco Settlement Endowment Trust	6,051,216	0	6,051,216
Transportation, Department of	2,721,721	2,721,721	0
Wheat Commission	200,860	33,340	167,520
Wildlife Conservation, Department of	2,118,062	1,588,547	529,515
Oregon	22,003,035	17,582,132	4,420,903
Agriculture, Department of	239,145	2,458	236,687
Fish and Wildlife, Department of	13,732,500	12,953,000	779,500
Forestry, Department of	325,868	6,229	319,639
Geology and Mineral Industries, Department of	3,995,911	1,827,541	2,168,370
Transportation, Department of	2,004,957	1,875,042	129,915
Watershed Enhancement Board	1,704,654	917,862	786,792
Pennsylvania	80,600,099	6,442,990	74,157,109
Agriculture, Department of	708,000	0	708,000
Community and Economic Development, Department of	13,876,129	230,226	13,645,903
Conservation and Natural Resources, Department of	752,315	185,230	567,085
Environmental Protection, Department of	2,135,435	1,149,157	986,278
Fish and Boat Commission	895,025	617,662	277,363
Game Commission	4,406,340	1,173,783	3,232,557
Health, Department of	54,088,921	0	54,088,921
Transportation, Department of	3,737,934	3,086,932	651,002
Rhode Island	2,028,402	487,305	1,541,097
Commerce Corporation	1,419,271	0	1,419,271
Transportation, Department of	609,131	487,305	121,826
South Carolina	72,467,293	59,056,716	13,410,577
Agriculture, Department of	402,388	0	402,388
Mental Health, Department of	189,334	0	189,334
Natural Resources, Department of	44,211,153	33,413,312	10,797,841
Research Authority	24,069,114	22,621,826	1,447,288
Sea Grant Consortium	1,826,972	1,519,965	307,007
Transportation, Department of	1,768,332	1,501,613	266,719
South Dakota	3,447,633	2,618,318	829,315
Agriculture, Department of	75,000	0	75,000
Game, Fish and Parks	1,894,989	1,558,097	336,892
Transportation, Department of	1,477,644	1,060,221	417,423
Tennessee	4,293,334	3,594,115	699,219
Environment and Conservation, Division of Archaeology, Department of	61,313	36,788	24,525
Environment and Conservation, Division of Remediation, Department of	681,000	681,000	0
Environment and Conservation, Division of Water Resources, Department of	175,000	175,000	0
Geological Survey	6,553	6,553	0
Transportation, Department of	3,369,468	2,694,774	674,694
Texas	146,989,380	20,949,356	126,040,024
Agriculture, Department of	2,147,725	209,367	1,938,358
Cancer Prevention and Research Institute	115,488,847	0	115,488,847
Environmental Quality, Commission on	1,000,000	0	1,000,000

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Department or agency	Total	Federal government	State and all others <sup>a</sup>
Health and Human Services Commission	160,000	136,000	24,000
Parks and Wildlife Department	3,111,887	2,267,908	843,979
Transportation, Department of	22,715,697	18,336,081	4,379,616
Water Development Board	2,365,224	0	2,365,224
Utah	47,388,335	21,153,987	26,234,348
Health, Department of	274,475	274,475	0
Natural Resources, Department of	16,400,000	0	16,400,000
Science Technology and Research Initiative, Governor's Office of Economic Development	28,683,860	19,239,512	9,444,348
Transportation, Department of	2,030,000	1,640,000	390,000
Vermont	1,653,315	1,121,698	531,617
Agriculture, Food, and Markets, Agency of	671,077	300,000	371,077
Human Services, Agency of	160,853	160,853	0
Natural Resources, Agency of	115,469	88,300	27,169
Transportation, Agency of	705,916	572,545	133,371
Virginia	24,379,497	9,710,044	14,669,453
Agriculture and Consumer Services, Department of	1,552,434	154,158	1,398,276
Consolidated Laboratory Services, Division of	303,000	91,000	212,000
Corrections, Department of	1,085,144	0	1,085,144
Forensic Science, Department of	159,944	5,944	154,000
Innovative Technology, Center for	6,590,000	560,000	6,030,000
Marine Resources Commission	2,769,016	2,237,668	531,348
Mines, Minerals and Energy, Department of	1,446,394	771,563	674,831
Natural History, Museum of	559,119	1,614	557,505
Transportation, Department of	9,914,446	5,888,097	4,026,349
Washington	49,553,326	8,462,965	41,090,361
Agriculture, Department of	446,409	79,143	367,266
Archaeology and Historic Preservation, Department of	234,565	234,565	0
Ecology, Department of	332,220	22,000	310,220
Fish and Wildlife, Department of	5,005,913	2,566,271	2,439,642
Grain Commission	2,540,857	0	2,540,857
Labor and Industries, Department of	2,811,637	921,767	1,889,870
Life Sciences Discovery Fund	22,801,588	0	22,801,588
Natural Resources, Department of	5,247,161	278,500	4,968,661
Potato Commission	986,084	0	986,084
Puget Sound Partnership	282,647	138,248	144,399
Red Raspberry Commission	123,033	0	123,033
Transportation, Department of	4,893,607	4,222,471	671,136
Tree Fruit Research Commission	3,675,000	0	3,675,000
Wine Commission	172,605	0	172,605
West Virginia	33,580,156	8,139,084	25,441,072
Agriculture, Department of	206,137	206,137	0
Geological and Economic Survey	2,258,374	758,648	1,499,726
Higher Education Policy Commission	28,585,672	5,271,444	23,314,228
Justice and Community Services, Division of	11,973	2,855	9,118
Transportation, Department of	2,518,000	1,900,000	618,000
Wisconsin	17,861,390	9,632,605	8,228,785
Agriculture, Trade and Consumer Protection, Department of	864,399	44,302	820,097
Economic Development Corporation	3,781,450	0	3,781,450
Natural Resources, Department of	9,081,222	5,925,980	3,155,242
Transportation, Department of	4,134,319	3,662,323	471,996
Wyoming	6,879,286	1,345,319	5,533,967
Agriculture, Department of	293,909	8,724	285,185
Environmental Quality, Department of	100,000	0	100,000
Game and Fish Department	1,730,051	326,894	1,403,157

TABLE 18. State agency expenditures for R&D for all performers, by state, department or agency, and source of funds: FY 2012  
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Department or agency	Total	Federal government	State and all others <sup>a</sup>
State Geological Survey	2,482,744	48,131	2,434,613
Transportation, Department of	1,872,582	961,570	911,012
Water Development Commission	400,000	0	400,000
Puerto Rico <sup>c</sup>	7,625,412	4,070,151	3,555,261
Agriculture, Department of	507,174	316,050	191,124
Health, Department of	3,122,975	2,276,005	846,970
Hospital San Juan <sup>d, e</sup>	1,933,258	966,629	966,629
Mental Health and Anti-Addiction Services Administration <sup>d</sup>	404,675	404,675	0
Highways and Transportation Authority	200,000	0	200,000
Institute of Statistics	11,774	0	11,774
Manufacturing Extension, Incorporated <sup>d</sup>	380,860	106,792	274,068
Science, Technology and Research Trust	1,064,696	0	1,064,696

<sup>a</sup> State and all others includes primarily other state governments and city, county, regional, township, or other local governments; it also includes nonprofit organizations and companies.

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

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

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

<sup>e</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.