

TABLE 11. State agency expenditures for R&amp;D for internal performers, by department, state, and source of funds: FY 2009

(Dollars)

Department or agency	All R&D by internal performers	Source of funds		
		Federal government	State	Other <sup>a</sup>
United States	318,264,391	126,042,475	170,951,238	21,270,678
Alabama	9,138,896	5,672,713	3,453,207	12,976
Conservation and Natural Resources, Department of	2,554,175	1,168,274	1,385,901	0
Forensic Science, Department of	301,434	245,471	55,963	0
Geological Survey	2,287,062	1,199,626	1,074,460	12,976
Marine Environmental Sciences Consortium	3,568,454	3,059,342	509,112	0
Transportation, Department of	427,771	0	427,771	0
Alaska	6,387,016	2,036,873	4,182,143	168,000
Fish and Game, Department of	1,602,000	451,000	1,151,000	0
Natural Resources, Department of	4,657,300	1,483,700	3,005,600	168,000
Transportation and Public Facilities, Department of	127,716	102,173	25,543	0
Arizona	7,373,390	4,742,669	2,097,848	532,873
Agriculture, Department of	0	0	0	0
Biomedical Research Commission	448,000	0	448,000	0
Environmental Quality, Department of	34,000	0	34,000	0
Game and Fish Department	4,703,887	3,237,429	1,126,162	340,296
Geological Survey	775,469	447,390	135,502	192,577
Health Services, Department of	27,750	27,750	0	0
Juvenile Corrections, Department of	19,572	0	19,572	0
Schools for the Deaf and Blind	2,312	0	2,312	0
Transportation, Department of	1,362,400	1,030,100	332,300	0
Arkansas	768,453	352,656	415,797	0
Beef Council	0	0	0	0
Catfish Promotion Board	0	0	0	0
Corn and Grain Sorghum Promotion Board	0	0	0	0
Forestry Commission	300,686	0	300,686	0
Game and Fish Commission	0	0	0	0
Highway and Transportation Department	153,000	109,600	43,400	0
Rice Research and Promotion Board	0	0	0	0
Science and Technology Authority	314,767	243,056	71,711	0
Soybean Promotion Board	0	0	0	0
Wheat Promotion Board	0	0	0	0
California	25,144,000	3,927,000	19,726,000	1,491,000
Energy Commission	11,900,000	0	11,900,000	0
Food and Agriculture, Department of	0	0	0	0
Transportation, Department of	8,444,000	3,733,000	4,711,000	0
Water Resources, Department of	4,800,000	194,000	3,115,000	1,491,000
Colorado	9,395,554	2,454,095	5,820,128	1,121,331
Economic Development, Office of	0	0	0	0
Natural Resources, Department of	7,480,482	1,197,541	5,561,610	721,331
Public Health and Environment, Department of	388,999	388,999	0	0
Public Safety, Department of	636,000	200,000	36,000	400,000
Transportation, Department of	890,073	667,555	222,518	0
Connecticut	12,663,055	4,382,333	7,827,713	453,009
Agricultural Experiment Station	8,556,478	3,147,255	4,956,214	453,009
Agriculture, Department of	87,443	87,443	0	0
Children and Families, Department of	4,000	0	4,000	0
Environmental Protection, Department of	0	0	0	0
Mental Health and Addiction Services, Department of	2,065,082	198,000	1,867,082	0
Public Health, Department of	90,000	35,000	55,000	0
Transportation, Department of	1,860,052	914,635	945,417	0

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Delaware	1,021,115	170,449	786,178	64,488
Agriculture, Department of	0	0	0	0
Economic Development Office	0	0	0	0
Geological Survey	823,128	0	758,640	64,488
Natural Resources and Environmental Control, Department of	197,987	170,449	27,538	0
Transportation, Department of	0	0	0	0
District of Columbia	0	0	0	0
Health, Department of	0	0	0	0
Florida	10,356,355	4,702,407	5,617,112	36,836
Agriculture and Consumer Services, Department of	1,123,244	777,491	345,753	0
Citrus, Department of	1,352,000	0	1,352,000	0
Environmental Protection, Department of	4,831,111	1,534,916	3,259,359	36,836
Fish and Wildlife Conservation Commission	3,050,000	2,390,000	660,000	0
Health, Department of	0	0	0	0
Space Florida	0	0	0	0
Transportation, Department of	0	0	0	0
Georgia	3,500,000	0	0	3,500,000
Herty Advanced Materials Development Center	3,500,000	0	0	3,500,000
Transportation, Department of	0	0	0	0
Hawaii	3,268,044	2,114,211	1,146,436	7,397
Agriculture, Department of	0	0	0	0
Business Economic Development, Department of	350,000	350,000	0	0
Land and Natural Resources, Department of	1,990,640	1,422,659	560,584	7,397
Transportation, Department of	927,404	341,552	585,852	0
Idaho	1,897,225	354,029	837,696	705,500
Agriculture, Department of	56,200	0	56,200	0
Barley Commission	0	0	0	0
Bean Commission	0	0	0	0
Environmental Quality, Department of	60,557	44,454	16,103	0
Fish and Game, Department of	463,700	79,500	321,700	62,500
Potato Commission	643,000	0	0	643,000
Transportation, Department of	136,968	109,575	27,393	0
Water Resources, Department of	536,800	120,500	416,300	0
Wheat Commission	0	0	0	0
Illinois	5,445,719	2,750,854	2,646,425	48,440
Commerce and Economic Opportunity, Department of	0	0	0	0
Natural Resources, Department of	4,141,291	1,691,404	2,401,447	48,440
Public Health, Department of	0	0	0	0
Transportation, Department of	1,304,428	1,059,450	244,978	0
Indiana	941,982	428,491	513,491	0
Criminal Justice Institute	205,000	205,000	0	0
Economic Development Corporation	0	0	0	0
Natural Resources, Department of	336,982	123,491	213,491	0
Transportation, Department of	400,000	100,000	300,000	0
Iowa	953,909	0	953,909	0
Energy Independence, Office of	0	0	0	0
Lottery, Department of	175,059	0	175,059	0
Revenue, Department of	751,650	0	751,650	0
Transportation, Department of	27,200	0	27,200	0
Kansas	1,598,127	1,016,419	581,708	0
Technology Enterprise Corporation	0	0	0	0
Transportation, Department of	1,543,127	976,419	566,708	0

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Wheat Commission	0	0	0	0
Wildlife and Parks, Department of	55,000	40,000	15,000	0
Kentucky	6,241,919	4,268,192	1,973,727	0
Energy Policy, Governor's Office for	0	0	0	0
Environmental Education Council	0	0	0	0
Fish and Wildlife Resources, Department of	1,836,879	1,155,600	681,279	0
Highways, Department of	4,228,240	3,082,592	1,145,648	0
Natural Resources, Department of	0	0	0	0
Nature Preserves Commission	176,800	30,000	146,800	0
Public Health, Department of	0	0	0	0
Louisiana	5,021,302	3,645,388	1,244,144	131,770
Environmental Quality, Department of	6,731	4,039	2,692	0
Transportation and Development, Department of	4,122,437	3,156,957	833,710	131,770
Wildlife and Fisheries, Department of	892,134	484,392	407,742	0
Maine	1,566,832	668,684	898,148	0
Conservation, Department of	350,600	90,100	260,500	0
Drug Enforcement Agency	0	0	0	0
Environmental Protection, Department of	550,000	0	550,000	0
Fire Marshal's Office	3,963	0	3,963	0
Marine Resources, Department of	414,024	379,988	34,036	0
Technology Institute	0	0	0	0
Transportation, Department of	248,245	198,596	49,649	0
Maryland	5,683,023	2,282,000	3,363,523	37,500
Business and Economic Development, Department of	1,305,523	0	1,305,523	0
Health and Mental Hygiene, Department of	0	0	0	0
Natural Resources, Department of	3,500,000	1,800,000	1,700,000	0
Technology Development Corporation	337,500	50,000	250,000	37,500
Transportation, Department of	540,000	432,000	108,000	0
Massachusetts	1,112,793	541,224	571,569	0
Conservation and Recreation, Department of	240,091	128,177	111,914	0
Environmental Protection, Department of	161,800	64,847	96,953	0
Fish and Game, Department of	560,000	315,000	245,000	0
Mental Health, Department of	109,402	0	109,402	0
Technology Collaborative	0	0	0	0
Transportation Planning, Office of	41,500	33,200	8,300	0
Michigan	7,850,696	4,527,751	3,022,945	300,000
Agriculture, Department of	0	0	0	0
Natural Resources, Department of	6,713,624	4,437,459	1,976,165	300,000
Transportation, Department of	1,137,072	90,292	1,046,780	0
Minnesota	1,974,655	615,306	305,399	1,053,950
Agriculture, Department of	906,316	599,937	305,399	980
Forest Resources Council	0	0	0	0
Pollution Control Agency	0	0	0	0
Transportation, Department of	1,068,339	15,369	0	1,052,970
Mississippi	8,215,940	6,343,510	1,805,868	66,562
Innovative Geospatial Solutions, Enterprise for	5,075,000	3,900,000	1,175,000	0
Technology Alliance	256,000	256,000	0	0
Transportation, Department of	1,518,130	1,347,262	170,868	0
Wildlife, Fisheries, and Parks, Department of	1,366,810	840,248	460,000	66,562
Missouri	9,405,566	1,702,185	7,698,058	5,323
Conservation, Department of	7,473,511	110,739	7,357,449	5,323
Health and Senior Services, Department of	115,749	115,749	0	0

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Natural Resources, Department of	383,744	365,944	17,800	0
Transportation, Department of	1,432,562	1,109,753	322,809	0
Montana	1,304,712	898,783	405,929	0
Agriculture, Department of	0	0	0	0
Commerce, Department of	178,311	0	178,311	0
Environmental Quality, Department of	15,841	15,841	0	0
Fish, Wildlife, and Parks, Department of	839,954	666,457	173,497	0
Transportation, Department of	270,606	216,485	54,121	0
Nebraska	125,000	0	0	125,000
Agriculture, Department of	0	0	0	0
Corn Board	0	0	0	0
Dry Bean Commission	125,000	0	0	125,000
Ethanol Board	0	0	0	0
Grain Sorghum Board	0	0	0	0
Natural Resources, Department of	0	0	0	0
Roads, Department of	0	0	0	0
Wheat Board	0	0	0	0
Nevada	342,744	0	342,744	0
Transportation, Department of	342,744	0	342,744	0
New Hampshire	1,022,378	150,260	872,118	0
Agriculture, Markets, and Food, Department of	0	0	0	0
Education, Department of	4,309	0	4,309	0
Environmental Services, Department of	0	0	0	0
Resources and Economic Development, Department of	655,000	0	655,000	0
Transportation, Department of	363,069	150,260	212,809	0
New Jersey	4,278,027	1,409,445	2,863,582	5,000
Autism, Council for Research/Treatment of	157,282	0	157,282	0
Brain Injury Research, Commission on	193,423	0	193,423	0
Environmental Protection, Department of	2,239,000	165,000	2,069,000	5,000
Science and Technology, Commission on	0	0	0	0
Spinal Cord Research, Commission on	338,877	0	338,877	0
Transportation, Department of	1,349,445	1,244,445	105,000	0
New Mexico	535,531	428,425	107,106	0
Transportation, Department of	535,531	428,425	107,106	0
New York	35,113,898	6,342,108	28,723,590	48,200
Agriculture and Markets, Department of	2,550,000	2,500,000	50,000	0
Energy Research and Development Authority	10,253,296	0	10,253,296	0
Environmental Conservation, Department of	1,259,217	481,000	730,017	48,200
Health, Department of	17,250,000	320,000	16,930,000	0
Science, Technology and Innovation, Foundation for	0	0	0	0
Transportation, Department of	3,801,385	3,041,108	760,277	0
North Carolina	42,451,251	5,411,944	31,293,732	5,745,575
Agriculture and Consumer Services, Department of	10,038,175	0	10,038,175	0
Environment and Natural Resources, Department of	29,863,076	3,861,944	21,005,557	4,995,575
Transportation, Department of	2,550,000	1,550,000	250,000	750,000
North Dakota	575,503	218,151	341,352	16,000
Agriculture, Department of	0	0	0	0
Health, Department of	7,368	5,951	1,417	0
Lignite Research Council	200,000	0	200,000	0
Mineral Resources, Department of	238,135	108,200	113,935	16,000
Oil and Gas Research Program	0	0	0	0
Renewable Energy Research Program	0	0	0	0

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Soybean Council	0	0	0	0
Transportation, Department of	130,000	104,000	26,000	0
Water Commission	0	0	0	0
Wheat Commission	0	0	0	0
Ohio	4,310,001	125,984	4,184,017	0
Air Quality Development Authority	0	0	0	0
Development, Department of	3,395,874	0	3,395,874	0
Education, Department of	426,654	0	426,654	0
Natural Resources, Department of	160,336	125,984	34,352	0
Transportation, Department of	327,137	0	327,137	0
Oklahoma	2,709,663	1,363,000	1,346,663	0
Science and Technology, Center for the Advancement of	0	0	0	0
Transportation, Department of	363,000	363,000	0	0
Wheat Commission	0	0	0	0
Wildlife Conservation, Department of	2,346,663	1,000,000	1,346,663	0
Oregon	6,389,857	2,093,203	2,240,728	2,055,926
Fish and Wildlife, Department of	658,708	494,031	164,677	0
Forestry, Department of	169,714	40,000	129,714	0
Geology and Mineral Industries, Department of	4,645,128	1,020,735	1,588,467	2,035,926
Human Services, Department of	621,312	500,327	100,985	20,000
Transportation, Department of	294,995	38,110	256,885	0
Watershed Enhancement Board	0	0	0	0
Pennsylvania	2,992,367	1,693,319	1,299,048	0
Agriculture, Department of	0	0	0	0
Community and Economic Development, Department of	0	0	0	0
Conservation and Natural Resources, Department of	430,621	0	430,621	0
Environmental Protection, Department of	140,000	0	140,000	0
Fish and Boat Commission	49,000	36,750	12,250	0
Game Commission	1,423,829	707,652	716,177	0
Health, Department of	0	0	0	0
Transportation, Department of	948,917	948,917	0	0
Rhode Island	0	0	0	0
Economic Development Corporation	0	0	0	0
South Carolina	24,161,908	21,993,839	2,168,069	0
Agriculture, Department of	0	0	0	0
Natural Resources, Department of	23,521,908	21,609,839	1,912,069	0
Sea Grant Consortium	360,000	160,000	200,000	0
Transportation, Department of	280,000	224,000	56,000	0
South Dakota	424,407	325,552	98,855	0
Environment and Natural Resources, Department of	0	0	0	0
Game, Fish, and Parks, Department of	0	0	0	0
Transportation, Department of	424,407	325,552	98,855	0
Tennessee	129,100	129,100	0	0
Health, Department of	129,100	129,100	0	0
Transportation, Department of	0	0	0	0
Texas	4,763,897	2,368,000	2,395,897	0
Agriculture, Department of	0	0	0	0
Environmental Quality, Commission on	0	0	0	0
Health and Human Services Commission	123,000	74,000	49,000	0
Parks and Wildlife, Department of	2,891,717	908,045	1,983,672	0
Transportation, Department of	1,749,180	1,385,955	363,225	0
Water Development Board	0	0	0	0

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Utah	10,715,649	5,593,015	3,622,634	1,500,000
Health, Department of	96,476	96,476	0	0
Natural Resources, Department of	8,000,000	4,000,000	2,500,000	1,500,000
Science Technology and Research Initiative	0	0	0	0
Transportation, Department of	2,619,173	1,496,539	1,122,634	0
Vermont	738,707	610,565	128,142	0
Transportation, Agency of	738,707	610,565	128,142	0
Virginia	8,759,184	4,517,492	4,103,106	138,586
Agriculture and Consumer Services, Department of	0	0	0	0
Consolidated Lab Services, Division of	810,000	750,000	0	60,000
Corrections, Department of	477,250	0	477,250	0
Criminal Justice Services, Department of	447,000	255,400	191,600	0
Forensic Science, Department of	227,630	10,117	217,513	0
Innovative Technology, Center for	493,253	493,253	0	0
Marine Resources Commission	0	0	0	0
Natural History, Museum of	821,185	26,887	715,712	78,586
Social Services, Department of	70,000	35,000	35,000	0
Transportation, Department of	5,412,866	2,946,835	2,466,031	0
Washington	6,940,712	3,618,275	1,980,097	1,342,340
Agriculture, Department of	0	0	0	0
Beef Commission	0	0	0	0
Fish and Wildlife, Department of	6,840,712	3,618,275	1,980,097	1,242,340
Grain Commission	0	0	0	0
Potato Commission	100,000	0	0	100,000
Puget Sound Partnership	0	0	0	0
Red Raspberry Commission	0	0	0	0
Transportation, Department of	0	0	0	0
West Virginia	2,555,126	1,328,135	892,339	334,652
Environmental Protection, Department of	714,369	112,999	266,718	334,652
Higher Education Policy Commission	640,757	255,136	385,621	0
Highways, Department of	1,200,000	960,000	240,000	0
Wisconsin	5,329,091	3,945,926	1,207,287	175,878
Commerce, Department of	0	0	0	0
Natural Resources, Department of	4,879,875	3,584,553	1,119,444	175,878
Transportation, Department of	449,216	361,373	87,843	0
Wyoming	4,670,112	1,778,515	2,845,031	46,566
Agriculture, Department of	0	0	0	0
Corrections, Department of	48,000	0	48,000	0
Employment, Research and Planning, Department of	1,443,377	1,208,177	235,200	0
Environmental Quality, Department of	0	0	0	0
Game and Fish Department	661,420	319,390	342,030	0
Geological Survey	1,827,100	172,598	1,607,936	46,566
Transportation, Department of	690,215	78,350	611,865	0

<sup>a</sup> Includes companies; nonprofit organizations; other state governments; and city, county, regional, or other local governments.

NOTE: Internal performers include department/agency's own employees and services performed by others in support of an internal R&D project.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, FY 2009 Survey of State Government R&D.