

TABLE 9. State agency expenditures for R&D and R&D plant, by department, state, and R&D performer: FY 2009
(Dollars)

Department or agency	R&D			R&D plant
	All R&D expenditures	Internal performers	External performers	
United States	1,210,113,524	318,264,391	891,849,133	102,614,371
Alabama	12,929,167	9,138,896	3,790,271	0
Conservation and Natural Resources, Department of	3,286,899	2,554,175	732,724	0
Forensic Science, Department of	301,434	301,434	0	0
Geological Survey	2,287,062	2,287,062	0	0
Marine Environmental Sciences Consortium	3,568,454	3,568,454	0	0
Transportation, Department of	3,485,318	427,771	3,057,547	0
Alaska	7,741,467	6,387,016	1,354,451	0
Fish and Game, Department of	1,807,000	1,602,000	205,000	0
Natural Resources, Department of	4,657,300	4,657,300	0	0
Transportation and Public Facilities, Department of	1,277,167	127,716	1,149,451	0
Arizona	21,483,423	7,373,390	14,110,033	132,982
Agriculture, Department of	220,751	0	220,751	132,982
Biomedical Research Commission	11,748,000	448,000	11,300,000	0
Environmental Quality, Department of	349,330	34,000	315,330	0
Game and Fish Department	4,988,520	4,703,887	284,633	0
Geological Survey	827,122	775,469	51,653	0
Health Services, Department of	27,750	27,750	0	0
Juvenile Corrections, Department of	19,838	19,572	266	0
Schools for the Deaf and Blind	2,312	2,312	0	0
Transportation, Department of	3,299,800	1,362,400	1,937,400	0
Arkansas	11,765,900	768,453	10,997,447	0
Beef Council	107,743	0	107,743	0
Catfish Promotion Board	44,482	0	44,482	0
Corn and Grain Sorghum Promotion Board	515,125	0	515,125	0
Forestry Commission	300,686	300,686	0	0
Game and Fish Commission	345,832	0	345,832	0
Highway and Transportation Department	881,000	153,000	728,000	0
Rice Research and Promotion Board	2,600,000	0	2,600,000	0
Science and Technology Authority	4,833,430	314,767	4,518,663	0
Soybean Promotion Board	1,800,000	0	1,800,000	0
Wheat Promotion Board	337,602	0	337,602	0
California	146,793,247	25,144,000	121,649,247	2,515,000
Energy Commission	88,700,000	11,900,000	76,800,000	0
Food and Agriculture, Department of	7,587,842	0	7,587,842	0
Transportation, Department of	40,057,000	8,444,000	31,613,000	0
Water Resources, Department of	10,448,405	4,800,000	5,648,405	2,515,000
Colorado	14,849,581	9,395,554	5,454,027	1,030,000
Economic Development, Office of	2,475,000	0	2,475,000	1,000,000
Natural Resources, Department of	8,134,132	7,480,482	653,650	30,000
Public Health and Environment, Department of	1,754,968	388,999	1,365,969	0
Public Safety, Department of	661,000	636,000	25,000	0
Transportation, Department of	1,824,481	890,073	934,408	0
Connecticut	27,088,088	12,663,055	14,425,033	0
Agricultural Experiment Station	8,556,478	8,556,478	0	0
Agriculture, Department of	140,714	87,443	53,271	0
Children and Families, Department of	288,151	4,000	284,151	0
Environmental Protection, Department of	1,456,308	0	1,456,308	0
Mental Health and Addiction Services, Department of	3,304,437	2,065,082	1,239,355	0
Public Health, Department of	9,300,858	90,000	9,210,858	0
Transportation, Department of	4,041,142	1,860,052	2,181,090	0

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Department or agency	R&D			R&D plant
	All R&D expenditures	Internal performers	External performers	
Delaware	2,066,752	1,021,115	1,045,637	0
Agriculture, Department of	83,190	0	83,190	0
Economic Development Office	300,000	0	300,000	0
Geological Survey	823,128	823,128	0	0
Natural Resources and Environmental Control, Department of	610,434	197,987	412,447	0
Transportation, Department of	250,000	0	250,000	0
District of Columbia	487,411	0	487,411	0
Health, Department of	487,411	0	487,411	0
Florida	66,513,756	10,356,355	56,157,401	759,009
Agriculture and Consumer Services, Department of	9,346,686	1,123,244	8,223,442	0
Citrus, Department of	12,171,000	1,352,000	10,819,000	0
Environmental Protection, Department of	8,237,640	4,831,111	3,406,529	0
Fish and Wildlife Conservation Commission	8,290,000	3,050,000	5,240,000	0
Health, Department of	18,180,877	0	18,180,877	0
Space Florida	457,500	0	457,500	759,009
Transportation, Department of	9,830,053	0	9,830,053	0
Georgia	6,662,887	3,500,000	3,162,887	0
Herty Advanced Materials Development Center	3,500,000	3,500,000	0	0
Transportation, Department of	3,162,887	0	3,162,887	0
Hawaii	13,976,364	3,268,044	10,708,320	0
Agriculture, Department of	32,000	0	32,000	0
Business Economic Development, Department of	7,196,722	350,000	6,846,722	0
Land and Natural Resources, Department of	4,698,462	1,990,640	2,707,822	0
Transportation, Department of	2,049,180	927,404	1,121,776	0
Idaho	6,052,058	1,897,225	4,154,833	0
Agriculture, Department of	56,200	56,200	0	0
Barley Commission	109,594	0	109,594	0
Bean Commission	59,462	0	59,462	0
Environmental Quality, Department of	91,190	60,557	30,633	0
Fish and Game, Department of	587,000	463,700	123,300	0
Potato Commission	643,000	643,000	0	0
Transportation, Department of	1,318,377	136,968	1,181,409	0
Water Resources, Department of	2,703,200	536,800	2,166,400	0
Wheat Commission	484,035	0	484,035	0
Illinois	19,656,490	5,445,719	14,210,771	0
Commerce and Economic Opportunity, Department of	94,436	0	94,436	0
Natural Resources, Department of	10,085,597	4,141,291	5,944,306	0
Public Health, Department of	4,107,400	0	4,107,400	0
Transportation, Department of	5,369,057	1,304,428	4,064,629	0
Indiana	47,549,928	941,982	46,607,946	0
Criminal Justice Institute	205,000	205,000	0	0
Economic Development Corporation	41,523,283	0	41,523,283	0
Natural Resources, Department of	1,821,645	336,982	1,484,663	0
Transportation, Department of	4,000,000	400,000	3,600,000	0
Iowa	11,284,860	953,909	10,330,951	612,848
Energy Independence, Office of	3,894,451	0	3,894,451	612,848
Lottery, Department of	175,059	175,059	0	0
Revenue, Department of	751,650	751,650	0	0
Transportation, Department of	6,463,700	27,200	6,436,500	0

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Kansas	12,305,385	1,598,127	10,707,258	0
Technology Enterprise Corporation	4,184,830	0	4,184,830	0
Transportation, Department of	6,970,598	1,543,127	5,427,471	0
Wheat Commission	784,957	0	784,957	0
Wildlife and Parks, Department of	365,000	55,000	310,000	0
Kentucky	13,938,692	6,241,919	7,696,773	79,641
Energy Policy, Governor's Office for	3,637,000	0	3,637,000	0
Environmental Education Council	47,117	0	47,117	0
Fish and Wildlife Resources, Department of	2,690,029	1,836,879	853,150	79,641
Highways, Department of	4,228,240	4,228,240	0	0
Natural Resources, Department of	558	0	558	0
Nature Preserves Commission	184,800	176,800	8,000	0
Public Health, Department of	3,150,948	0	3,150,948	0
Louisiana	8,426,835	5,021,302	3,405,533	0
Environmental Quality, Department of	141,357	6,731	134,626	0
Transportation and Development, Department of	6,717,882	4,122,437	2,595,445	0
Wildlife and Fisheries, Department of	1,567,596	892,134	675,462	0
Maine	6,400,019	1,566,832	4,833,187	50,000,000
Conservation, Department of	408,100	350,600	57,500	0
Drug Enforcement Agency	8,685	0	8,685	0
Environmental Protection, Department of	550,000	550,000	0	0
Fire Marshal's Office	3,963	3,963	0	0
Marine Resources, Department of	734,693	414,024	320,669	0
Technology Institute	4,131,199	0	4,131,199	50,000,000
Transportation, Department of	563,379	248,245	315,134	0
Maryland	21,093,331	5,683,023	15,410,308	0
Business and Economic Development, Department of	1,305,523	1,305,523	0	0
Health and Mental Hygiene, Department of	8,701,328	0	8,701,328	0
Natural Resources, Department of	6,220,000	3,500,000	2,720,000	0
Technology Development Corporation	2,137,500	337,500	1,800,000	0
Transportation, Department of	2,728,980	540,000	2,188,980	0
Massachusetts	4,358,097	1,112,793	3,245,304	0
Conservation and Recreation, Department of	240,091	240,091	0	0
Environmental Protection, Department of	421,661	161,800	259,861	0
Fish and Game, Department of	660,500	560,000	100,500	0
Mental Health, Department of	2,208,037	109,402	2,098,635	0
Technology Collaborative	198,808	0	198,808	0
Transportation Planning, Office of	629,000	41,500	587,500	0
Michigan	14,950,709	7,850,696	7,100,013	1,500,000
Agriculture, Department of	206,282	0	206,282	0
Natural Resources, Department of	8,642,826	6,713,624	1,929,202	1,500,000
Transportation, Department of	6,101,601	1,137,072	4,964,529	0
Minnesota	16,655,913	1,974,655	14,681,258	2,742,321
Agriculture, Department of	1,918,097	906,316	1,011,781	0
Forest Resources Council	130,342	0	130,342	0
Pollution Control Agency	698,826	0	698,826	0
Transportation, Department of	13,908,648	1,068,339	12,840,309	2,742,321
Mississippi	9,731,915	8,215,940	1,515,975	0
Innovative Geospatial Solutions, Enterprise for	5,075,000	5,075,000	0	0
Technology Alliance	1,032,962	256,000	776,962	0
Transportation, Department of	1,518,130	1,518,130	0	0

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Wildlife, Fisheries, and Parks, Department of	2,105,823	1,366,810	739,013	0
Missouri	16,070,147	9,405,566	6,664,581	0
Conservation, Department of	9,394,690	7,473,511	1,921,179	0
Health and Senior Services, Department of	272,900	115,749	157,151	0
Natural Resources, Department of	906,841	383,744	523,097	0
Transportation, Department of	5,495,716	1,432,562	4,063,154	0
Montana	7,200,442	1,304,712	5,895,730	0
Agriculture, Department of	1,285,830	0	1,285,830	0
Commerce, Department of	3,553,037	178,311	3,374,726	0
Environmental Quality, Department of	30,790	15,841	14,949	0
Fish, Wildlife, and Parks, Department of	1,093,129	839,954	253,175	0
Transportation, Department of	1,237,656	270,606	967,050	0
Nebraska	4,474,695	125,000	4,349,695	0
Agriculture, Department of	316,067	0	316,067	0
Corn Board	515,746	0	515,746	0
Dry Bean Commission	125,000	125,000	0	0
Ethanol Board	59,051	0	59,051	0
Grain Sorghum Board	5,200	0	5,200	0
Natural Resources, Department of	1,986,474	0	1,986,474	0
Roads, Department of	1,014,814	0	1,014,814	0
Wheat Board	452,343	0	452,343	0
Nevada	1,510,607	342,744	1,167,863	0
Transportation, Department of	1,510,607	342,744	1,167,863	0
New Hampshire	2,186,780	1,022,378	1,164,402	0
Agriculture, Markets, and Food, Department of	38,005	0	38,005	0
Education, Department of	324,139	4,309	319,830	0
Environmental Services, Department of	2,372	0	2,372	0
Resources and Economic Development, Department of	655,000	655,000	0	0
Transportation, Department of	1,167,264	363,069	804,195	0
New Jersey	15,146,838	4,278,027	10,868,811	0
Autism, Council for Research/Treatment of	2,792,455	157,282	2,635,173	0
Brain Injury Research, Commission on	1,444,000	193,423	1,250,577	0
Environmental Protection, Department of	3,814,000	2,239,000	1,575,000	0
Science and Technology, Commission on	605,000	0	605,000	0
Spinal Cord Research, Commission on	2,338,043	338,877	1,999,166	0
Transportation, Department of	4,153,340	1,349,445	2,803,895	0
New Mexico	1,655,529	535,531	1,119,998	0
Transportation, Department of	1,655,529	535,531	1,119,998	0
New York	126,122,333	35,113,898	91,008,435	9,584,344
Agriculture and Markets, Department of	3,487,006	2,550,000	937,006	2,000,000
Energy Research and Development Authority	42,170,407	10,253,296	31,917,111	0
Environmental Conservation, Department of	5,851,093	1,259,217	4,591,876	0
Health, Department of	32,200,000	17,250,000	14,950,000	1,800,000
Science, Technology and Innovation, Foundation for	35,283,349	0	35,283,349	5,784,344
Transportation, Department of	7,130,478	3,801,385	3,329,093	0
North Carolina	51,404,202	42,451,251	8,952,951	2,840,000
Agriculture and Consumer Services, Department of	10,092,515	10,038,175	54,340	89,000
Environment and Natural Resources, Department of	30,811,687	29,863,076	948,611	2,746,000
Transportation, Department of	10,500,000	2,550,000	7,950,000	5,000

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North Dakota	16,423,175	575,503	15,847,672	0
Agriculture, Department of	30,245	0	30,245	0
Health, Department of	7,368	7,368	0	0
Lignite Research Council	12,500,000	200,000	12,300,000	0
Mineral Resources, Department of	238,135	238,135	0	0
Oil and Gas Research Program	1,034,458	0	1,034,458	0
Renewable Energy Research Program	588,500	0	588,500	0
Soybean Council	706,798	0	706,798	0
Transportation, Department of	813,445	130,000	683,445	0
Water Commission	13,850	0	13,850	0
Wheat Commission	490,376	0	490,376	0
Ohio	121,851,617	4,310,001	117,541,616	5,354,097
Air Quality Development Authority	3,503,551	0	3,503,551	0
Development, Department of	111,125,353	3,395,874	107,729,479	5,354,097
Education, Department of	456,654	426,654	30,000	0
Natural Resources, Department of	2,160,336	160,336	2,000,000	0
Transportation, Department of	4,605,723	327,137	4,278,586	0
Oklahoma	15,930,878	2,709,663	13,221,215	0
Science and Technology, Center for the Advancement of	8,962,658	0	8,962,658	0
Transportation, Department of	4,120,111	363,000	3,757,111	0
Wheat Commission	501,446	0	501,446	0
Wildlife Conservation, Department of	2,346,663	2,346,663	0	0
Oregon	12,428,875	6,389,857	6,039,018	0
Fish and Wildlife, Department of	690,820	658,708	32,112	0
Forestry, Department of	1,281,242	169,714	1,111,528	0
Geology and Mineral Industries, Department of	4,685,127	4,645,128	39,999	0
Human Services, Department of	1,308,735	621,312	687,423	0
Transportation, Department of	2,705,721	294,995	2,410,726	0
Watershed Enhancement Board	1,757,230	0	1,757,230	0
Pennsylvania	102,958,404	2,992,367	99,966,037	6,147,888
Agriculture, Department of	852,734	0	852,734	0
Community and Economic Development, Department of	17,755,250	0	17,755,250	0
Conservation and Natural Resources, Department of	4,613,826	430,621	4,183,205	0
Environmental Protection, Department of	2,938,656	140,000	2,798,656	0
Fish and Boat Commission	60,901	49,000	11,901	0
Game Commission	1,597,758	1,423,829	173,929	0
Health, Department of	69,448,595	0	69,448,595	6,147,888
Transportation, Department of	5,690,684	948,917	4,741,767	0
Rhode Island	1,382,531	0	1,382,531	0
Economic Development Corporation	1,382,531	0	1,382,531	0
South Carolina	28,599,885	24,161,908	4,437,977	0
Agriculture, Department of	940,318	0	940,318	0
Natural Resources, Department of	23,521,908	23,521,908	0	0
Sea Grant Consortium	1,661,434	360,000	1,301,434	0
Transportation, Department of	2,476,225	280,000	2,196,225	0
South Dakota	4,607,427	424,407	4,183,020	0
Environment and Natural Resources, Department of	226,825	0	226,825	0
Game, Fish, and Parks, Department of	2,311,292	0	2,311,292	0
Transportation, Department of	2,069,310	424,407	1,644,903	0
Tennessee	3,881,687	129,100	3,752,587	0
Health, Department of	129,100	129,100	0	0

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Transportation, Department of	3,752,587	0	3,752,587	0
Texas	49,381,346	4,763,897	44,617,449	4,040,775
Agriculture, Department of	1,847,975	0	1,847,975	0
Environmental Quality, Commission on	14,763,819	0	14,763,819	4,040,775
Health and Human Services Commission	123,000	123,000	0	0
Parks and Wildlife, Department of	8,130,217	2,891,717	5,238,500	0
Transportation, Department of	22,535,124	1,749,180	20,785,944	0
Water Development Board	1,981,211	0	1,981,211	0
Utah	26,442,711	10,715,649	15,727,062	15,000,000
Health, Department of	96,476	96,476	0	0
Natural Resources, Department of	8,000,000	8,000,000	0	0
Science Technology and Research Initiative	15,727,062	0	15,727,062	15,000,000
Transportation, Department of	2,619,173	2,619,173	0	0
Vermont	738,707	738,707	0	0
Transportation, Agency of	738,707	738,707	0	0
Virginia	17,929,519	8,759,184	9,170,335	0
Agriculture and Consumer Services, Department of	806,328	0	806,328	0
Consolidated Lab Services, Division of	810,000	810,000	0	0
Corrections, Department of	477,250	477,250	0	0
Criminal Justice Services, Department of	447,000	447,000	0	0
Forensic Science, Department of	227,630	227,630	0	0
Innovative Technology, Center for	1,642,061	493,253	1,148,808	0
Marine Resources Commission	3,184,779	0	3,184,779	0
Natural History, Museum of	821,185	821,185	0	0
Social Services, Department of	70,000	70,000	0	0
Transportation, Department of	9,443,286	5,412,866	4,030,420	0
Washington	14,528,728	6,940,712	7,588,016	0
Agriculture, Department of	179,149	0	179,149	0
Beef Commission	2,357	0	2,357	0
Fish and Wildlife, Department of	6,993,436	6,840,712	152,724	0
Grain Commission	3,321,400	0	3,321,400	0
Potato Commission	833,191	100,000	733,191	0
Puget Sound Partnership	761,124	0	761,124	0
Red Raspberry Commission	152,941	0	152,941	0
Transportation, Department of	2,285,130	0	2,285,130	0
West Virginia	10,357,006	2,555,126	7,801,880	3,600
Environmental Protection, Department of	1,554,769	714,369	840,400	0
Higher Education Policy Commission	7,602,237	640,757	6,961,480	0
Highways, Department of	1,200,000	1,200,000	0	3,600
Wisconsin	24,942,415	5,329,091	19,613,324	0
Commerce, Department of	12,406,980	0	12,406,980	0
Natural Resources, Department of	7,505,290	4,879,875	2,625,415	0
Transportation, Department of	5,030,145	449,216	4,580,929	0
Wyoming	7,194,765	4,670,112	2,524,653	271,866
Agriculture, Department of	264,295	0	264,295	0
Corrections, Department of	89,000	48,000	41,000	0
Employment, Research and Planning, Department of	1,443,377	1,443,377	0	0
Environmental Quality, Department of	150,000	0	150,000	0

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Game and Fish Department	1,325,668	661,420	664,248	0
Geological Survey	2,165,681	1,827,100	338,581	0
Transportation, Department of	1,756,744	690,215	1,066,529	271,866

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