

TABLE 10. State agency expenditures for R&D and R&D plant, by state, department or agency, and R&D performer: FY 2010
(Dollars)

Department or agency	All R&D performers ^a	Internal performers	External performers	R&D plant
United States ^b	1,261,366,529	416,096,832	845,269,697	107,342,868
Alabama	15,113,917	9,749,394	5,364,523	0
Conservation and Natural Resources, Department of	2,152,483	1,231,288	921,195	0
Forensic Science, Department of	472,892	472,892	0	0
Geological Survey	3,196,187	3,196,187	0	0
Marine Environmental Sciences Consortium	4,562,239	4,562,239	0	0
Transportation, Department of	4,730,116	286,788	4,443,328	0
Alaska	9,274,800	7,885,200	1,389,600	0
Fish and Game, Department of	2,223,300	2,123,300	100,000	0
Geological and Geophysical Surveys, Division of	5,656,900	5,631,900	25,000	0
Transportation and Public Facilities, Department of	1,394,600	130,000	1,264,600	0
Arizona	17,682,315	7,545,171	10,137,144	0
Agriculture, Department of	260,322	0	260,322	0
Game and Fish Department	4,891,846	4,438,689	453,157	0
Geological Survey	1,859,997	1,776,082	83,915	0
Health Services, Department of	8,330,000	250,000	8,080,000	0
Transportation, Department of	2,340,150	1,080,400	1,259,750	0
Arkansas	14,446,084	5,406,407	9,039,677	0
Beef Council	80,555	0	80,555	0
Catfish Promotion Board	56,076	0	56,076	0
Corn and Grain Sorghum Promotion Board	495,500	0	495,500	0
Game and Fish Commission	658,590	122,833	535,757	0
Highway and Transportation Department	1,064,332	115,565	948,767	0
Rice Research and Promotion Board	2,727,000	2,727,000	0	0
Science and Technology Authority	6,948,031	300,009	6,648,022	0
Soybean Promotion Board	2,141,000	2,141,000	0	0
Wheat Promotion Board	275,000	0	275,000	0
California	154,216,981	30,126,000	124,090,981	0
Energy Commission	105,072,000	11,745,000	93,327,000	0
Food and Agriculture, Department of	2,101,971	0	2,101,971	0
Transportation, Department of	38,136,000	10,214,000	27,922,000	0
Water Resources, Department of	8,907,010	8,167,000	740,010	0
Colorado	20,828,274	7,108,498	13,719,776	880,000
Economic Development, Office of	7,404,089	0	7,404,089	0
Natural Resources, Department of	8,622,796	5,323,727	3,299,069	880,000
Public Health and Environment, Department of	2,205,496	5,000	2,200,496	0
Public Safety, Department of	890,000	890,000	0	0
Transportation, Department of	1,705,893	889,771	816,122	0
Connecticut	40,065,786	22,561,170	17,504,616	0
Agricultural Experiment Station	10,263,017	10,263,017	0	0
Environmental Protection, Department of	8,723,462	6,944,985	1,778,477	0
Mental Health and Addiction Services, Department of	3,647,105	2,535,935	1,111,170	0
Public Health, Department of	13,204,640	322,573	12,882,067	0
Transportation, Department of	4,227,562	2,494,660	1,732,902	0
Delaware	2,389,720	1,968,736	420,984	0
Geological Survey	1,512,415	1,512,415	0	0
Natural Resources and Environmental Control, Department of	627,305	456,321	170,984	0
Transportation, Department of	250,000	0	250,000	0
District of Columbia	696,198	189,691	506,507	0
Health, Department of	503,267	41,760	461,507	0
Transportation, Department of	192,931	147,931	45,000	0

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Florida	120,848,726	50,546,200	70,302,526	0
Agriculture and Consumer Services, Department of	11,433,478	3,097,116	8,336,362	0
Citrus, Department of	10,145,417	258,000	9,887,417	0
Environmental Protection, Department of	2,918,473	1,931,252	987,221	0
Fish and Wildlife Conservation Commission	47,344,015	45,259,832	2,084,183	0
Health, Department of	39,091,799	0	39,091,799	0
Space	325,706	0	325,706	0
Transportation, Department of	9,589,838	0	9,589,838	0
Georgia	8,923,795	3,200,000	5,723,795	0
Herty Advanced Materials Development Center	3,200,000	3,200,000	0	0
Transportation, Department of	5,723,795	0	5,723,795	0
Hawaii	14,233,186	3,049,593	11,183,593	20,000
Agriculture, Department of	414,967	335,006	79,961	20,000
Business, Economic Development and Tourism, Department of	5,825,028	467,423	5,357,605	0
Land and Natural Resources, Department of	5,320,835	2,163,164	3,157,671	0
Transportation, Department of	2,672,356	84,000	2,588,356	0
Idaho	9,059,568	4,616,645	4,442,923	0
Barley Commission	125,531	75,255	50,276	0
Bean Commission	63,752	0	63,752	0
Environmental Quality, Department of	65,370	34,979	30,391	0
Fish and Game, Department of	4,151,342	3,728,696	422,646	0
Potato Commission	830,000	45,000	785,000	0
Transportation, Department of	1,406,718	177,915	1,228,803	0
Water Resources, Department of	1,906,300	554,800	1,351,500	0
Wheat Commission	510,555	0	510,555	0
Illinois	16,553,689	1,948,263	14,605,426	0
Children and Family Services, Department of	6,128,895	0	6,128,895	0
Commerce and Economic Opportunity, Department of	190,000	0	190,000	0
Public Health, Department of	2,596,733	0	2,596,733	0
State Police	571,928	571,928	0	0
Transportation, Department of	7,066,133	1,376,335	5,689,798	0
Indiana	8,444,832	975,000	7,469,832	0
Criminal Justice Institute	450,000	200,000	250,000	0
Economic Development Corporation	678,287	0	678,287	0
Natural Resources, Department of	1,700,000	300,000	1,400,000	0
Transportation, Department of	5,616,545	475,000	5,141,545	0
Iowa	12,950,176	625,480	12,324,696	0
College Student Aid Commission	83,480	83,480	0	0
Criminal and Juvenile Justice Programs, Division of	22,000	22,000	0	0
Natural Resources, Department of	7,074,696	0	7,074,696	0
Transportation, Department of	5,770,000	520,000	5,250,000	0
Kansas	6,509,225	1,448,133	5,061,092	0
Transportation, Department of	5,039,914	1,393,133	3,646,781	0
Wheat Commission	1,104,311	0	1,104,311	0
Wildlife, Parks, and Tourism, Department of	365,000	55,000	310,000	0
Kentucky	20,410,096	1,635,906	18,774,190	3,500,000
Agricultural Policy, Governor's Office of	220,000	0	220,000	0
Budget and Fiscal Management, Office of	4,042,181	0	4,042,181	0
Commercialization and Innovation, Department of	9,239,959	100,000	9,139,959	3,500,000
Energy Policy, Governor's Office for	2,458,700	0	2,458,700	0
Environmental Education Council	0	0	0	0
Fish and Wildlife Resources, Department of	1,987,656	1,518,406	469,250	0
Nature Preserves Commission	17,500	17,500	0	0

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Public Health, Department of	2,444,100	0	2,444,100	0
Louisiana	9,165,144	6,523,169	2,641,975	0
Transportation and Development, Department of	6,642,447	4,809,020	1,833,427	0
Wildlife and Fisheries, Department of	2,522,697	1,714,149	808,548	0
Maine	8,847,471	1,542,846	7,304,625	0
Conservation, Department of	383,000	383,000	0	0
Environmental Protection, Department of	225,000	150,000	75,000	0
Marine Resources, Department of	1,370,454	711,502	658,952	0
State Fire Marshal's Office	3,000	3,000	0	0
Technology Institute	6,156,711	0	6,156,711	0
Transportation, Department of	709,306	295,344	413,962	0
Maryland	22,825,402	1,962,000	20,863,402	0
Business and Economic Development, Department of	1,300,000	1,300,000	0	0
Health and Mental Hygiene, Department of	2,175,332	0	2,175,332	0
Natural Resources, Department of	247,000	117,000	130,000	0
Technology Development Corporation	15,524,146	0	15,524,146	0
Transportation, Department of	3,578,924	545,000	3,033,924	0
Massachusetts	4,884,430	862,331	4,022,099	26,405
Capital Asset Management, Division of	0	0	0	26,405
Environmental Protection, Department of	445,801	161,801	284,000	0
Fish and Game, Department of	671,115	571,115	100,000	0
Mental Health, Department of	1,965,502	129,415	1,836,087	0
Public Health, Department of	164,987	0	164,987	0
Transportation Planning, Office of	1,637,025	0	1,637,025	0
Michigan	9,469,440	1,688,930	7,780,510	0
Agriculture, Department of	36,910	0	36,910	0
Natural Resources, Department of	4,792,530	1,648,930	3,143,600	0
Transportation, Department of	4,640,000	40,000	4,600,000	0
Minnesota	12,212,546	1,507,582	10,704,964	2,519,990
Agriculture, Department of	2,718,439	956,093	1,762,346	0
Forest Resources Council	280,396	43,000	237,396	0
Pollution Control Agency	1,036,255	0	1,036,255	0
Transportation, Department of	8,177,456	508,489	7,668,967	2,519,990
Mississippi	7,168,109	3,933,046	3,235,063	0
Innovative Geospatial Solutions, Enterprise for	3,974,000	1,953,000	2,021,000	0
Transportation, Department of	1,809,735	595,672	1,214,063	0
Wildlife, Fisheries, and Parks, Department of	1,384,374	1,384,374	0	0
Missouri	13,329,841	8,065,733	5,264,108	0
Agriculture, Department of	189,947	0	189,947	0
Conservation, Department of	9,143,947	7,136,153	2,007,794	0
Natural Resources, Department of	338,141	122,557	215,584	0
Transportation, Department of	3,657,806	807,023	2,850,783	0
Montana	7,543,860	1,604,601	5,939,259	0
Agriculture, Department of	1,533,814	0	1,533,814	0
Commerce, Department of	2,774,601	0	2,774,601	0
Environmental Quality, Department of	69,066	59,131	9,935	0
Fish, Wildlife, and Parks	1,939,993	1,323,392	616,601	0
Natural Resources and Conservation, Department of	17,500	0	17,500	0
Transportation, Department of	1,208,886	222,078	986,808	0
Nebraska	4,232,691	327,845	3,904,846	0
Agriculture, Department of	232,850	0	232,850	0
Corn Board	344,913	0	344,913	0

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Dry Bean Commission	150,762	150,762	0	0
Grain Sorghum Board	1,988	0	1,988	0
Natural Resources, Department of	2,164,260	173,583	1,990,677	0
Roads, Department of	986,418	0	986,418	0
Wheat Board	351,500	3,500	348,000	0
Nevada	1,377,888	339,516	1,038,372	0
Transportation, Department of	1,048,465	294,079	754,386	0
Wildlife, Department of	329,423	45,437	283,986	0
New Hampshire	1,804,156	502,616	1,301,540	0
Agriculture, Markets, and Food, Department of	169,170	0	169,170	0
Resources and Economic Development, Department of	625,000	150,000	475,000	0
Transportation, Department of	1,009,986	352,616	657,370	0
New Jersey	27,939,539	3,407,529	24,532,010	3,000,000
Brain Injury Research, Commission on	2,530,362	207,117	2,323,245	0
Cancer Research, Commission on	1,200,000	0	1,200,000	0
Environmental Protection, Department of	4,305,318	1,523,900	2,781,418	0
Research and Treatment of Autism, Council for	5,563,345	39,556	5,523,789	0
Science and Technology, Commission on	3,695,000	0	3,695,000	0
Spinal Cord Research, Commission on	4,075,462	378,951	3,696,511	0
Transportation, Department of	6,570,052	1,258,005	5,312,047	3,000,000
New Mexico	1,422,955	560,955	862,000	0
Transportation, Department of	1,422,955	560,955	862,000	0
New York	167,231,605	101,863,804	65,367,801	0
Agriculture and Markets, Department of	3,892,582	2,775,000	1,117,582	0
Energy Research and Development Authority	41,029,418	10,598,946	30,430,472	0
Environmental Conservation, Department of	4,161,101	949,681	3,211,420	0
Foundation for Science, Technology and Innovation	52,300,000	36,800,000	15,500,000	0
Health, Department of	57,919,392	47,726,192	10,193,200	0
Transportation, Department of	7,929,112	3,013,985	4,915,127	0
North Carolina	27,342,380	18,843,326	8,499,054	37,221
Agriculture and Consumer Services, Department of	12,525,716	12,525,716	0	32,221
Environment and Natural Resources, Department of	3,551,664	3,197,610	354,054	0
Transportation, Department of	11,265,000	3,120,000	8,145,000	5,000
North Dakota	6,352,675	591,770	5,760,905	0
Agriculture, Department of	140,464	0	140,464	0
Lignite Research Council	2,098,967	304,909	1,794,058	0
Mineral Resources, Department of	45,000	45,000	0	0
Oil and Gas Research Program	1,186,820	109,105	1,077,715	0
Renewable Energy Research Program	979,013	60,000	919,013	0
Soybean Council	714,023	0	714,023	0
Transportation, Department of	598,349	72,756	525,593	0
Wheat Commission	590,039	0	590,039	0
Ohio	125,120,668	1,754,417	123,366,251	0
Air Quality Development Authority	1,120,000	0	1,120,000	0
Development, Department of	118,914,375	0	118,914,375	0
Mental Health, Department of	721,000	490,000	231,000	0
Natural Resources, Department of	3,253,900	1,011,197	2,242,703	0
Transportation, Department of	1,111,393	253,220	858,173	0
Oklahoma	21,226,236	9,250	21,216,986	153,278
Center for the Advancement of Science and Technology	15,345,706	0	15,345,706	153,278
Health, Department of	9,250	9,250	0	0
Sorghum Commission	22,500	0	22,500	0
Transportation, Department of	4,132,781	0	4,132,781	0

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Wheat Commission	253,434	0	253,434	0
Wildlife Conservation, Department of	1,462,565	0	1,462,565	0
Oregon	18,013,730	14,368,928	3,644,802	0
Agriculture, Department of	664,631	0	664,631	0
Fish and Wildlife, Department of	9,585,000	9,535,000	50,000	0
Forestry, Department of	354,882	70,181	284,701	0
Geology and Mineral Industries, Department of	4,097,576	3,996,254	101,322	0
Transportation, Department of	2,481,963	691,265	1,790,698	0
Watershed Enhancement Board	829,678	76,228	753,450	0
Pennsylvania	76,947,795	5,052,858	71,894,937	6,038,598
Agriculture, Department of	755,736	0	755,736	0
Community and Economic Development, Department of	6,839,000	0	6,839,000	0
Conservation and Natural Resources, Department of	2,731,005	1,639,317	1,091,688	0
Environmental Protection, Department of	1,859,108	215,999	1,643,109	0
Fish and Boat Commission	640,326	555,633	84,693	0
Game Commission	2,660,768	1,976,639	684,129	0
Health, Department of	58,482,594	0	58,482,594	6,038,598
Transportation, Department of	2,979,258	665,270	2,313,988	0
Rhode Island	1,461,239	53,547	1,407,692	0
Economic Development Corporation	1,109,080	0	1,109,080	0
Transportation, Department of	352,159	53,547	298,612	0
South Carolina	36,536,007	32,641,056	3,894,951	4,092,304
Health and Environmental Control, Department of	133,172	133,172	0	0
Mental Health, Department of	122,334	21,450	100,884	0
Natural Resources, Department of	32,939,330	31,939,330	1,000,000	4,092,304
Public Service Authority	185,322	0	185,322	0
Sea Grant Consortium	1,772,246	354,215	1,418,031	0
Transportation, Department of	1,383,603	192,889	1,190,714	0
South Dakota	3,762,637	722,906	3,039,731	0
Agriculture, Department of	25,000	0	25,000	0
Game, Fish and Parks, Department of	1,638,739	0	1,638,739	0
Transportation, Department of	2,098,898	722,906	1,375,992	0
Tennessee	1,064,262	0	1,064,262	0
Transportation, Department of	1,064,262	0	1,064,262	0
Texas	35,163,655	2,813,346	32,350,309	0
Agriculture, Department of	2,319,442	0	2,319,442	0
Environmental Quality, Commission on	3,888,189	0	3,888,189	0
Health and Human Services Commission	123,000	123,000	0	0
Parks and Wildlife, Department of	1,746,387	1,073,290	673,097	0
Transportation, Department of	25,071,272	1,617,056	23,454,216	0
Water Development Board	2,015,365	0	2,015,365	0
Utah	30,812,205	10,150,322	20,661,883	87,065,072
Health, Department of	50,322	50,322	0	0
Natural Resources, Department of	8,000,000	8,000,000	0	0
Science Technology and Research, Governor's Office of Economic Development	20,161,883	0	20,161,883	87,065,072
Transportation, Department of	2,600,000	2,100,000	500,000	0
Vermont	1,665,079	1,442,023	223,056	0
Agriculture, Agency of	865,900	865,900	0	0
Human Services, Agency of	132,198	132,198	0	0
Transportation, Agency of	666,981	443,925	223,056	0

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Virginia	17,495,156	6,744,260	10,750,896	0
Agriculture and Consumer Services, Department of	2,271,833	0	2,271,833	0
Consolidated Lab Services, Division of	683,917	513,917	170,000	0
Corrections, Department of	897,484	897,484	0	0
Forensic Science, Department of	181,813	181,813	0	0
Health, Department of	46,962	46,962	0	0
Innovative Technology, Center for	1,480,000	430,000	1,050,000	0
Marine Resources Commission	2,441,157	0	2,441,157	0
Natural History, Museum of	560,718	560,718	0	0
Transportation, Department of	8,931,272	4,113,366	4,817,906	0
Washington	24,525,701	9,866,316	14,659,385	0
Agriculture, Department of	328,111	0	328,111	0
Fish and Wildlife, Department of	6,881,561	6,813,791	67,770	0
Grain Commission	3,345,600	0	3,345,600	0
Natural Resources, Department of	4,035,976	1,056,177	2,979,799	0
Potato Commission	794,391	54,500	739,891	0
Red Raspberry Commission	173,387	0	173,387	0
Transportation, Department of	5,402,675	1,461,848	3,940,827	0
Tree Fruit Research Commission	3,430,000	480,000	2,950,000	0
Wine Commission	134,000	0	134,000	0
West Virginia	23,867,732	7,094,173	16,773,559	10,000
Environmental Protection, Department of	986,278	522,573	463,705	0
Geological and Economic Survey	2,682,942	2,682,942	0	0
Higher Education Policy Commission	14,258,436	721,822	13,536,614	0
Highways, Department of	5,100,000	2,350,000	2,750,000	10,000
Justice and Community Services, Division of	8,277	8,277	0	0
Natural Resources, Division of	831,799	808,559	23,240	0
Wisconsin	12,435,548	5,060,717	7,374,831	0
Agriculture, Trade, and Consumer Protection, Department of	770,721	41,160	729,561	0
Economic Development Corporation	1,375,000	0	1,375,000	0
Natural Resources, Department of	6,717,528	4,719,109	1,998,419	0
Transportation, Department of	3,572,299	300,448	3,271,851	0
Wyoming	5,471,379	3,609,627	1,861,752	0
Agriculture, Department of	176,596	0	176,596	0
Environmental Quality, Department of	150,000	0	150,000	0
Game and Fish, Department of	1,291,150	564,002	727,148	0
Geological Survey	2,866,616	2,599,466	267,150	0
Transportation, Department of	687,017	446,159	240,858	0
Water Development Office	300,000	0	300,000	0
Puerto Rico ^c	300,000	0	300,000	0
Education Council	551,391	360,000	191,391	0

^a All R&D performers do not include R&D plant.

^b U.S. total reflects all 50 states and the District of Columbia.

^c Puerto Rico is not included in U.S. total due to its classification as a U.S. territory.

NOTES: Internal performers include employees within the same state department or agency in support of an internal R&D project. External performers are those outside the department or agency who perform R&D under the administrative oversight or control of the department or agency; this may include projects for the department or agency performed by others or an extramural research program.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, FY 2010 and FY 2011 Survey of State Government R&D.