

TABLE 13

State government expenditures for transportation-related R&D, by state: FYs 2009–23

(Dollars)

| State | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| United States ^a | 242,284,805 | 247,322,194 | 265,500,923 | 252,070,334 | 265,514,142 | 254,719,885 | 246,570,344 | 264,596,307 | 265,470,160 | 258,418,727 | 260,024,511 | 279,442,920 | 300,352,569 | 290,871,093 | 315,134,417 |
| Alabama | 3,485,318 | 4,730,116 | 4,407,856 | 3,348,079 | 2,654,296 | 7,237,806 | 9,255,656 | 7,658,433 | 6,921,982 | 2,014,658 | 3,601,526 | 3,601,526 | 2,211,001 | 3,692,380 | 5,360,260 |
| Alaska | 1,277,167 | 1,394,600 | 2,567,000 | 227,182 | 475,913 | 2,776,684 | 2,000,660 | 504,000 | 1,280,000 | 1,080,000 | 2,687,327 | 5,340,365 | 8,565,493 | 4,808,710 | 5,625,392 |
| Arizona | 2,624,700 | 2,175,550 | 1,756,700 | 1,817,300 | 1,737,800 | 1,261,685 | 1,258,900 | 851,449 | 919,757 | 2,500,355 | 1,356,182 | 1,473,269 | 3,179,987 | 1,414,933 | 2,064,934 |
| Arkansas | 881,000 | 1,064,332 | 927,990 | 2,057,208 | 1,915,324 | 1,269,000 | 1,486,000 | 639,945 | 1,266,550 | 1,013,231 | 855,437 | 690,108 | 376,215 | 1,079,240 | 1,936,385 |
| California | 40,057,000 | 38,136,000 | 37,445,000 | 36,897,000 | 35,038,000 | 35,560,150 | 35,201,005 | 38,340,899 | 35,515,719 | 36,225,667 | 34,906,443 | 41,248,806 | 47,716,505 | 39,260,000 | 49,446,825 |
| Colorado | 1,424,481 | 1,930,506 | 2,270,155 | 1,623,980 | 2,338,837 | 2,099,101 | 1,881,210 | 1,476,466 | 1,128,528 | 1,750,822 | 3,288,163 | 3,268,633 | 3,791,995 | 3,395,841 | 4,408,335 |
| Connecticut | 3,777,288 | 4,028,757 | 4,011,628 | 4,018,000 | 4,100,000 | 3,936,126 | 5,409,867 | 2,370,317 | 3,516,438 | 3,150,000 | 3,283,420 | 2,734,495 | 2,408,289 | 2,971,742 | 3,907,816 |
| Delaware | 250,000 | 250,000 | 250,000 | 2,404,027 | 1,974,596 | 255,213 | 141,621 | 845,618 | 1,293,881 | 1,156,679 | 1,100,760 | 1,336,168 | 1,167,639 | 1,205,970 | 1,437,372 |
| District of Columbia | 0 | 192,931 | 264,380 | 1,361,999 | 987,742 | 754,327 | 828,377 | 1,532,145 | 919,305 | 723,440 | 422,412 | 239,295 | 289,382 | 245,919 | 623,962 |
| Florida | 9,830,053 | 9,804,294 | 15,645,022 | 11,836,984 | 10,300,582 | 15,054,989 | 11,121,055 | 12,932,838 | 14,112,753 | 16,470,858 | 15,367,289 | 13,322,175 | 11,527,555 | 14,134,393 | 15,501,144 |
| Georgia | 4,162,887 | 7,723,795 | 10,290,663 | 9,012,569 | 8,698,341 | 6,095,576 | 3,842,272 | 5,089,460 | 5,586,082 | 8,738,202 | 8,034,229 | 8,599,878 | 6,599,041 | 4,505,966 | 7,003,378 |
| Hawaii | 2,339,180 | 2,672,356 | 561,367 | 881,851 | 1,230,056 | 1,148,448 | 1,338,452 | 1,023,488 | 786,590 | 595,364 | 802,000 | 487,500 | 5,013,530 | 2,793,386 | 1,735,402 |
| Idaho | 1,318,377 | 1,406,718 | 1,580,312 | 1,368,700 | 1,929,300 | 2,161,329 | 1,436,567 | 2,015,633 | 1,956,415 | 1,861,276 | 3,339,242 | 3,317,794 | 2,144,749 | 2,852,305 | 2,862,749 |
| Illinois | 5,369,057 | 7,066,133 | 9,287,308 | 7,354,832 | 8,719,083 | 9,517,493 | 9,602,367 | 10,148,743 | 9,969,256 | 7,834,288 | 9,458,562 | 9,710,698 | 9,430,989 | 9,782,913 | 10,233,989 |
| Indiana | 4,000,000 | 5,616,545 | 4,074,838 | 6,927,051 | 8,444,691 | 10,584,435 | 7,483,614 | 5,021,323 | 6,477,522 | 10,641,648 | 8,495,933 | 8,734,644 | 8,261,486 | 9,312,575 | 12,624,242 |
| Iowa | 6,463,700 | 5,770,000 | 6,050,000 | 7,638,920 | 9,485,810 | 4,581,695 | 5,829,951 | 6,645,953 | 4,785,941 | 5,543,815 | 5,190,691 | 7,228,882 | 6,942,156 | 6,142,926 | 7,117,988 |
| Kansas | 7,416,636 | 5,039,914 | 5,002,773 | 5,147,330 | 4,724,025 | 3,923,777 | 3,749,587 | 3,872,000 | 3,049,000 | 3,960,800 | 3,714,875 | 3,637,912 | 3,237,535 | 3,765,115 | 3,882,450 |
| Kentucky | 4,228,240 | 4,042,181 | 4,425,113 | 3,324,600 | 1,964,500 | 5,769,400 | 6,294,300 | 8,442,000 | 7,461,167 | 7,152,574 | 7,020,302 | 7,158,996 | 8,931,685 | 8,781,665 | 8,125,749 |
| Louisiana | 6,717,882 | 6,642,447 | 6,396,052 | 6,975,472 | 6,965,116 | 11,000,000 | 11,000,000 | 9,000,000 | 9,000,000 | 9,500,000 | 10,000,000 | 9,200,000 | 9,185,327 | 10,065,406 | 8,562,086 |
| Maine | 563,379 | 709,306 | 505,860 | 354,463 | 521,444 | 868,000 | 1,003,000 | 1,253,000 | 903,000 | 780,000 | 1,136,000 | 824,000 | 1,500,000 | 1,558,635 | 1,185,950 |
| Maryland | 2,209,280 | 3,167,924 | 4,080,017 | 1,928,111 | 1,778,080 | 1,590,096 | 882,171 | 711,454 | 2,011,643 | 2,313,219 | 1,735,096 | 3,660,436 | 2,211,739 | 2,643,003 | 1,886,593 |
| Massachusetts | 0 | 1,637,025 | 1,504,260 | 0 | 0 | 0 | 0 | 0 | 3,480,037 | 1,700,000 | 4,425,000 | 3,840,000 | 3,767,017 | 4,050,000 | 7,849,400 |
| Michigan | 6,103,101 | 4,640,000 | 5,125,000 | 8,900,000 | 7,700,000 | 5,500,000 | 5,500,000 | 6,200,000 | 6,820,000 | 5,780,534 | 5,132,200 | 6,610,319 | 6,812,098 | 6,225,844 | 6,977,495 |
| Minnesota | 13,908,648 | 7,853,451 | 9,222,369 | 7,427,179 | 11,089,502 | 11,147,618 | 11,558,082 | 13,401,308 | 9,925,085 | 10,782,862 | 11,092,823 | 11,619,600 | 14,081,495 | 15,618,920 | 13,048,837 |
| Mississippi | 1,518,130 | 1,883,735 | 2,463,770 | 4,801,812 | 3,300,936 | 288,622 | 212,557 | 1,263,531 | 2,106,750 | 1,961,803 | 5,991,596 | 4,417,666 | 5,542,522 | 3,300,333 | 2,763,759 |
| Missouri | 5,495,716 | 3,657,806 | 5,043,082 | 3,190,008 | 3,372,137 | 3,985,039 | 4,066,030 | 1,190,224 | 1,289,739 | 1,356,738 | 1,830,194 | 1,557,401 | 2,120,015 | 2,646,956 | 3,342,278 |
| Montana | 876,558 | 917,662 | 1,168,956 | 1,418,422 | 2,061,516 | 1,418,000 | 1,663,000 | 2,886,974 | 1,215,380 | 722,979 | 820,527 | 1,810,989 | 1,732,922 | 1,971,362 | 1,831,760 |
| Nebraska | 1,014,814 | 986,918 | 1,123,236 | 1,647,512 | 1,721,453 | 1,708,434 | 1,810,483 | 2,966,171 | 1,373,075 | 1,355,258 | 1,409,861 | 1,985,947 | 1,735,953 | 1,270,607 | 1,239,135 |
| Nevada | 1,510,607 | 1,048,465 | 1,393,048 | 1,119,857 | 1,595,463 | 3,257,663 | 2,914,364 | 1,554,297 | 1,860,066 | 921,936 | 973,452 | 1,298,811 | 1,588,437 | 1,632,800 | 1,330,439 |
| New Hampshire | 1,167,264 | 1,009,986 | 1,196,452 | 1,380,083 | 1,226,961 | 786,600 | 844,700 | 260,640 | 673,806 | 669,797 | 807,378 | 661,587 | 605,207 | 734,656 | 723,467 |
| New Jersey | 4,153,340 | 6,570,052 | 5,542,644 | 3,243,333 | 3,985,296 | 3,687,478 | 3,798,842 | 4,414,453 | 6,672,869 | 6,064,082 | 2,717,094 | 3,125,627 | 5,440,354 | 7,239,506 | 2,596,557 |
| New Mexico | 1,655,529 | 1,422,955 | 1,821,583 | 941,856 | 1,249,365 | 1,648,017 | 1,577,835 | 1,352,087 | 502,000 | 1,403,431 | 1,377,302 | 2,808,156 | 1,316,767 | 1,400,300 | 770,937 |
| New York | 12,445,993 | 13,024,897 | 12,191,046 | 6,071,256 | 12,838,391 | 9,321,647 | 6,850,569 | 10,571,211 | 10,836,858 | 14,441,199 | 8,842,589 | 9,463,758 | 11,189,625 | 10,073,889 | 14,085,670 |
| North Carolina | 9,000,000 | 9,225,000 | 9,500,000 | 8,884,000 | 6,548,000 | 5,688,066 | 5,534,981 | 6,864,896 | 7,395,578 | 8,661,785 | 7,959,645 | 8,877,335 | 10,882,065 | 9,103,250 | 7,864,239 |
| North Dakota | 963,611 | 598,349 | 578,559 | 569,931 | 584,875 | 596,824 | 407,000 | 899,987 | 1,902,328 | 2,592,127 | 1,336,855 | 3,635,470 | 1,204,774 | 1,298,374 | 1,820,328 |

TABLE 13

State government expenditures for transportation-related R&D, by state: FYs 2009–23

(Dollars)

| State | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Ohio | 10,308,223 | 13,111,393 | 17,281,878 | 20,745,056 | 22,035,664 | 16,507,471 | 10,142,447 | 12,713,029 | 12,015,510 | 7,078,867 | 6,886,766 | 6,249,317 | 6,276,848 | 6,349,868 | 5,432,652 |
| Oklahoma | 3,818,308 | 3,845,728 | 4,101,968 | 2,497,372 | 4,030,997 | 4,873,928 | 3,817,249 | 4,554,002 | 4,365,557 | 5,700,014 | 6,849,411 | 6,480,977 | 4,963,501 | 4,292,220 | 4,740,677 |
| Oregon | 2,705,721 | 2,481,963 | 2,494,162 | 2,004,957 | 2,639,702 | 2,290,000 | 2,938,000 | 1,960,000 | 3,120,794 | 3,445,111 | 5,411,595 | 2,460,479 | 3,638,363 | 7,385,549 | 8,590,054 |
| Pennsylvania | 5,815,684 | 2,979,258 | 3,919,294 | 4,034,828 | 3,842,683 | 3,095,997 | 2,438,279 | 3,889,274 | 2,714,547 | 1,714,300 | 3,913,899 | 3,934,697 | 5,576,553 | 4,100,235 | 4,800,272 |
| Rhode Island | 446,433 | 283,838 | 445,082 | 334,093 | 541,470 | 1,576,999 | 1,436,793 | 183,000 | 1,164,842 | 0 | 1,225,000 | 0 | 185,472 | 900,000 | 1,687,000 |
| South Carolina | 2,476,225 | 1,384,632 | 1,581,676 | 1,967,442 | 1,942,501 | 1,594,110 | 2,160,647 | 2,225,883 | 2,497,762 | 2,178,465 | 2,159,379 | 1,851,635 | 2,646,350 | 2,581,949 | 2,339,150 |
| South Dakota | 2,069,310 | 2,098,898 | 2,000,267 | 1,477,644 | 1,811,337 | 1,798,604 | 1,236,834 | 1,722,981 | 1,550,351 | 1,670,091 | 1,222,798 | 1,321,098 | 1,178,029 | 2,109,493 | 1,904,042 |
| Tennessee | 3,752,587 | 1,064,262 | 3,286,726 | 3,369,468 | 2,505,628 | 3,780,473 | 3,256,696 | 2,911,522 | 3,528,759 | 2,659,034 | 3,107,664 | 2,650,589 | 6,683,667 | 5,399,804 | 3,234,659 |
| Texas | 22,535,124 | 25,071,272 | 23,851,121 | 22,715,697 | 20,671,237 | 13,640,184 | 19,803,109 | 28,049,226 | 26,213,677 | 17,247,836 | 17,294,677 | 20,694,167 | 20,505,965 | 24,982,335 | 24,220,565 |
| Utah | 800,000 | 2,600,000 | 2,600,000 | 2,030,000 | 2,430,000 | 2,293,133 | 1,470,900 | 2,375,221 | 3,955,036 | 3,374,087 | 3,435,069 | 3,141,698 | 3,315,176 | 2,684,063 | 2,729,191 |
| Vermont | 738,707 | 666,981 | 493,856 | 705,916 | 836,839 | 1,007,865 | 793,005 | 698,263 | 924,025 | 1,625,848 | 2,211,617 | 1,081,391 | 1,097,307 | 843,185 | 935,387 |
| Virginia | 9,443,286 | 8,931,272 | 8,469,431 | 9,974,446 | 14,128,627 | 12,779,955 | 17,554,526 | 16,692,096 | 15,877,244 | 15,739,313 | 12,889,933 | 19,782,914 | 18,505,828 | 16,489,762 | 19,463,187 |
| Washington | 2,285,130 | 5,402,675 | 5,095,830 | 4,893,607 | 4,257,879 | 5,450,000 | 5,450,000 | 5,607,000 | 4,852,000 | 4,852,000 | 5,596,000 | 4,890,000 | 7,528,900 | 4,527,700 | 6,136,300 |
| West Virginia | 950,000 | 5,100,000 | 5,583,425 | 2,518,000 | 2,729,000 | 2,477,760 | 2,193,922 | 2,690,000 | 3,935,000 | 2,400,000 | 2,124,711 | 2,028,215 | 2,257,746 | 2,260,000 | 2,086,106 |
| Wisconsin | 5,030,145 | 3,572,299 | 4,115,612 | 4,828,319 | 6,215,294 | 3,843,195 | 3,106,681 | 3,038,585 | 2,884,850 | 4,084,993 | 3,754,645 | 4,106,692 | 2,176,168 | 4,217,027 | 4,310,941 |
| Wyoming | 900,986 | 687,017 | 506,556 | 1,872,582 | 1,637,853 | 1,230,873 | 986,181 | 1,085,282 | 955,106 | 1,227,341 | 1,428,942 | 1,240,805 | 1,105,147 | 768,083 | 746,932 |
| Puerto Rico ^b | 200,000 | 180,000 | 180,000 | 200,000 | 200,000 | 560,000 | 560,000 | na | na | na | na | na | na | 0 | 1,641,919 |

na = not applicable; did not report to survey.

^a U.S. total reflects all 50 states and the District of Columbia.^b Puerto Rico is not included in U.S. total due to its classification as a U.S. territory.**Note(s):**

State R&D expenditures by function were surveyed beginning with the FY 2009 survey. State R&D totals can display considerable volatility between survey years due to several national and state-specific factors. Large changes are not unusual, especially for discretionary spending items such as R&D.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development.